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National Recommendations to Improve Aquatic Literacy for 6-to-12-year-old children

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Partners

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4	BEN	APTN	Associacao Portuguesa De Tecnicos De Natacao	PT
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6	BEN	FNMNS	Fédération Nationale Des Métiers De La Natation Et Du Sport	FR
7	BEN	NIH	Norges Idrettshogskole	NO
8	BEN	UPORTO	Universidade Do Porto	PT
9	BEN	LTU	Lituanian Swimming Federation	LT
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Co-funded by the European Union

Executive summary

The ALFAC project is a partnership between researchers, educators and institutional stakeholders from Europe aiming to improve the quality of aquatic education. It addresses the educational challenge of improving aquatic literacy (AL) levels of children aged 6-12, to better protect them from the dangers of being active in water environments, and to motivate them to engage in water-based activities both now and later. The ten full partners come from seven countries with different drowning accident rates and are involved in water education. In each country, a network of associated partners has been formed to be as close as possible to the pedagogical and structural issues. All partners are representative of the different types of organisation and curriculum that can be found in Europe in the teaching of "can swim". This diversity will allow the results of the ALFAC project to subsequently benefit worldwide. The ALFAC consortium aims to create diagnostic and pedagogical tools to raise the AL level of children. The first step will be to build an international database to compare children's AL levels by age, gender and country. The data collection will take place in partner primary schools in each country and will involve a total of 2500 pupils. The benchmarks through AL dimensions will enable stakeholders to identify the strengths and weaknesses of their organisation and shape pedagogical or structural reforms. The second step will be to produce pedagogical resources that will enable all practitioners, to quickly identify the most important points to address, and the teaching aids to improve them. This phase will be associated with their wide dissemination to the teaching staff of institutions to assess the impact on pedagogical practices. By exploiting our international partnership, by sharing correct implementation of different pedagogical approaches and by making diagnostic and pedagogical tools accessible to all, we aim to develop Aquatic Literacy For All Children.

Co-funded by the European Union

Project: 101049889 — ALFAC — ERASMUS-SPORT-2021-SCP

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CHAPTER AUTHORSHIP

CHAPTER 1. Brief Presentation of the ALFAC Test Battery

Mekkaoui, L. & Potdevin, F.

CHAPTER 2. How to Raise Aquatic Literacy in Europe? Interpretation of results

Mekkaoui, L. & Potdevin, F.

CHAPTER 3. Aquatic Literacy level in Belgium

Representative sample of the country, National Strengths and Weaknesses, Recommendation, Limits: *De Martelaer, K., D'Hondt, E. and Van Droogenbroeck, L.*

Statistical analysis: *Mekkaoui, L. & Potdevin, F.*

CHAPTER 4. Aquatic Literacy level in France

Representative sample of the country, National Strengths and Weaknesses, Recommendation, Limits: *Potdevin, F. & Mekkaoui, L.*

Statistical analysis: *Mekkaoui, L. & Potdevin, F.*

CHAPTER 5. Aquatic Literacy level in Germany

Representative sample of the country, National Strengths and Weaknesses, Recommendation, Limits: *Staub, I. & Vogt, T.*

Statistical analysis: *Mekkaoui, L. & Potdevin, F.*

CHAPTER 6. Aquatic Literacy level in Lithuania

Representative sample of the country, National Strengths and Weaknesses, Recommendation, Limits: *Vilius, M.*

Statistical analysis: *Mekkaoui, L. & Potdevin, F.*

Recommendations

Curriculum management

Raise awareness among young people about the diversity of opportunities for aquatic sports, particularly among girls.

The results showed that Lithuanian girls are less attracted than boys to engaging in diverse aquatic activities, both in swimming pools and open water. In order to increase their opportunities to practice physical activities in aquatic environments, it would be useful to raise their awareness of a wide range of activities, such as artistic swimming, which they expressed a greater interest in practicing.

a. Timetable

- **Strengthening swimming education at the youngest ages (4–7)**

While Lithuania is the second European country with the highest number of drowning accidents, the government, in partnership with the Lithuanian Swimming Federation, has implemented a national plan to strengthen aquatic education starting from the age of 7. Based

on the results, it seems that this plan is bearing fruit, as the analysis by age group shows that children aged 8–9 perform better on many motor and psychological tasks than their European peers. However, children aged 6–7 remain further behind the European standard for the tested sample, and a stagnation occurs between ages 8–9 and 10–11. Therefore, in order to improve upon the efforts already undertaken with the implementation of 32 lessons for children aged 7–8, it might be worthwhile to spread this number of lessons throughout the children's aquatic curriculum, or even to introduce learning at younger ages (between 4 and 6 years old) in order to provide them with earlier and better protection.

b. Localisation and equipment

- **Increasing the financial and physical accessibility of swimming lessons and swimming lessons for young people**

The evaluation of the Lithuanian national plan reports that 40% of Lithuanian children have had access to the aquatic education program. While the effort has paid off for 8–9-year-olds, who perform better than their peers, not all children take part in this plan. In this sense, it would be worthwhile to allocate additional financial and material resources to increase the proportion of Lithuanian children with access to swimming skills, both to better protect them and to foster their interest in aquatic activities.

c. Staff

- **Provide better training for professionals to develop children's pleasure, social skills, motivation and confidence in, on, and around water at all ages**

Results showed that children do not enjoy swimming lessons either at school or outside of school, are not intrinsically motivated, and have lower confidence than their European counterparts. Moreover, these components do not improve with age. This lack of motivation, confidence, and enjoyment significantly affects young people's engagement in learning, which is essential for developing a wide range of skills that would enable them to safely and diversely participate in aquatic activities in, on, and around the water. To enhance this engagement in learning and broaden the scope of possible aquatic practices, it would be relevant to train swimming education professionals to use playful and cooperative teaching approaches.

d. Assessment

- **Include risk graduation in certification**

Although young Lithuanian children perform relatively well when evaluating risky situations in swimming pools and open water, they have more difficulty assessing situations

that do not actually present risks. Their lower level of confidence in deep water, combined with their inadequate evaluation of risks, could put them in danger when engaging in aquatic environments. This lack of ability to distinguish between objective and subjective risk situations may either lead them to unsafe behaviors in the water or prevent them from engaging altogether, thereby limiting the development of essential safety skills. Therefore, integrating this component of risk evaluation into assessments could help certify young people's ability to engage thoughtfully and safely in, on, and around the water.

e. Contents

- **Refocus teaching content, especially on belly propulsion, entry in the water and exit from the water.**

As mentioned earlier, Lithuanian children perform significantly worse in belly propulsion, entry in the water and exit from the water. The significantly lower performance first safety step tasks are essential to ensure the security from the first second after entering in the water but also to help them to exit from diverse risky situations and avoid accident due to exhaustion.

CHAPTER 7. Aquatic Literacy in Norway

Representative sample of the country, National Strengths and Weaknesses, Recommendation, Limits: *Ljodal, I., Olstad, B. and Simonsen, E.*

Statistical analysis: *Mekkaoui, L. & Potdevin, F.*

CHAPTER 8. Aquatic Literacy level in Poland

Representative sample of the country, National Strengths and Weaknesses, Recommendation, Limits: *Kwasna, A., Rejman, M. and Rudnik, D.*

Statistical analysis: *Mekkaoui, L. & Potdevin, F.*

CHAPTER 9. Aquatic Literacy level in Portugal

Representative sample of the country, National Strengths and Weaknesses, Recommendation, Limits: *Costa, A. M., Costa, M. J., Garrido, N.D., Santos, C.C. and Soares, S.*

Statistical analysis: *Mekkaoui, L. & Potdevin, F.*

CONCLUSION

Mekkaoui, L. & Potdevin, F.

Preface

What is Aquatic Literacy?

Aquatic Literacy is a concept designed to address a dual public health challenge: preventing drowning accidents and reduce sedentary lifestyles. The ALFAC Consortium defines it as *"a dynamic state of individual aquatic education that enables lifelong, voluntary, and safe engagement in a wide range of aquatic physical activity opportunities, supported by the development or preservation of essential motor, psychosocial, and cognitive skills, as well as the interplay between them, related to movement experiences in, on, and around water"* (Mekkaoui et al., 2025)[1].

In fact, Aquatic Literacy describes both the personal competencies an individual should possess and the ways they should interact with the aquatic environment to derive health benefits from aquatic physical activity practices. It is based on the idea that engaging safely in a variety of aquatic physical activities fosters the development of new skills which, in turn, create a snowball effect and encouraging even greater participation in aquatic physical activities over time. The figure below illustrates the set of motor, psychosocial, and cognitive competencies that shape the foundation of the Aquatic Literacy model.

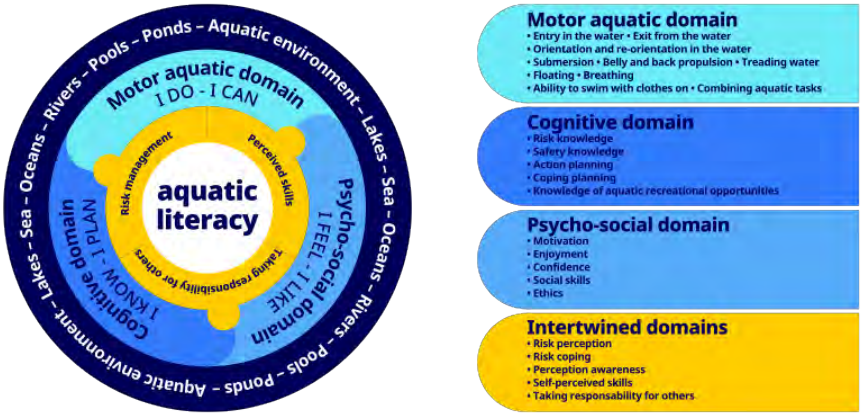


Figure 1. Aquatic Literacy Model from Mekkaoui et al. (2025)

[1] For the reference, please see: Mekkaoui, L., Vogt, T., Camporelli, F., Costa, A. M., Costa, M. J., De Martelaer, K., D'Hondt, E., Garrido, N. D., Gandrieau, J., Kwasna, A., Ljødal, I., Olstad, B. H., Rejman, M., Rudnik, D., Santos, C. C., Schnitzler, C., Simonsen, E., Soares, S., Staub, I., Van Droogenbroeck, L., & Potdevin, F. (2025). Improving Water Safety and Long-term Engagement in Aquatic Physical Activity: The Aquatic Literacy Framework. *Journal of Teaching in Physical Education* (published online ahead of print 2025). Retrieved Sep 14, 2025, from https://doi.org/10.1123/jtpe.2024-0244

What is the ALFAC project?

The ALFAC project is a partnership between researchers, educators and institutional stakeholders from Europe aiming to improve the quality of aquatic education. It addresses the educational challenge of improving aquatic literacy levels of children aged 6-12 years, to better protect them from the dangers of being active in aquatic environments, and to motivate them to engage in aquatic physical activities both now and later. The ten full partners come from seven countries with different drowning accident rates and are involved in aquatic education. In each country, a network of associated partners has been formed to be as close as possible to the pedagogical and structural issues. All partners are representative of the different types of organisation and curriculum that can be found in Europe in the "Can Swim" education. The ALFAC consortium has created a diagnostic tool called the ALFAC test battery which aims to chart the level of Aquatic Literacy in children aged 6-to-12-years-old.

What is the purpose of this report?

This report aims to present the first results of the Aquatic Literacy levels of children aged 6-to-12-year-olds in each country which participated in the ALFAC project (i.e., Belgium, France, Germany, Lithuania, Norway, Poland and Portugal). By comparing the results of children in each country, by sex and age group, with their European counterparts, this report allows to define the national strengths and weaknesses about the level of aquatic motor competencies, confidence, motivation, level of safety but also the adaptative capabilities of children. Following this, recommendations are addressed to stakeholders and professionals involved in "Can swim" teaching programmes with the aim of improving Aquatic Literacy levels across Europe.

Reader's guide

Countries participating in the study

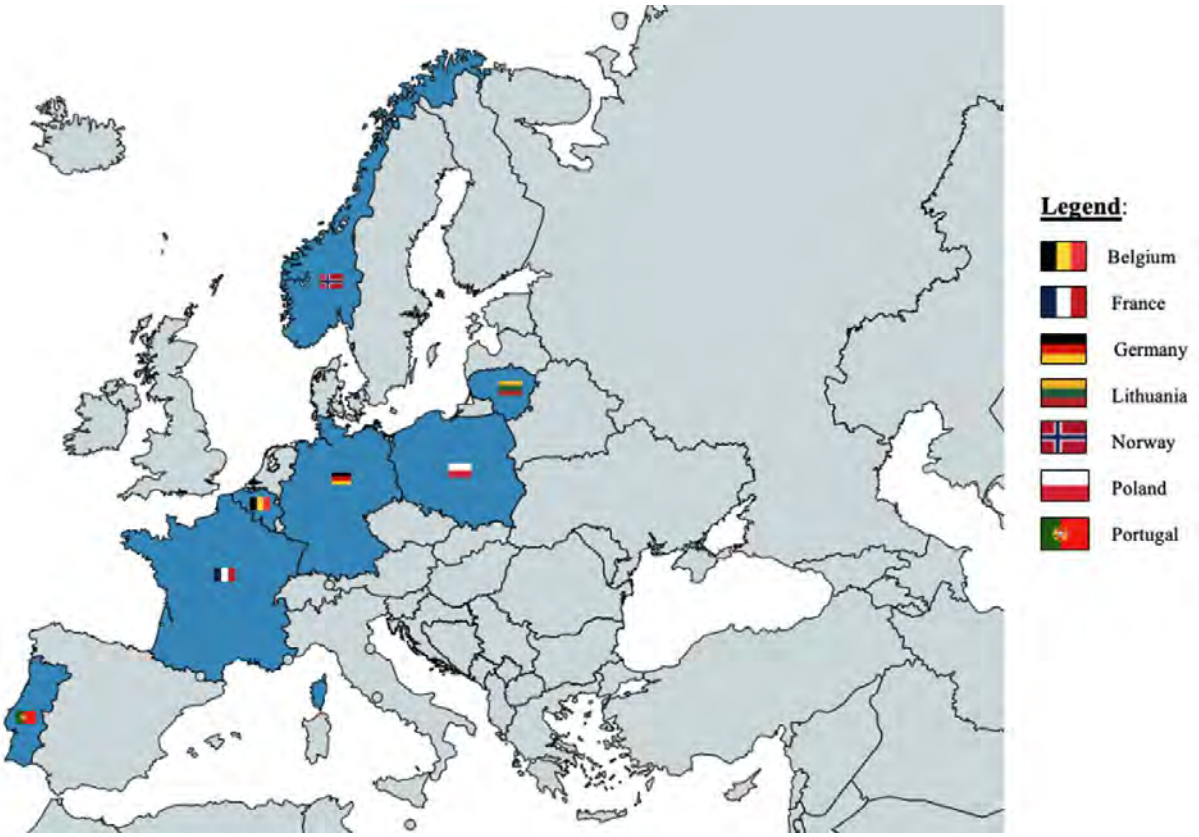


Figure 2. Country participating in the study.

Figure 2 presents the countries that took part in the study. Seven countries participated in the study: Belgium, France, Germany, Lithuania, Norway, Poland, Portugal.

Rounded numbers

Table 1. Number of participants for each part of the ALFAC test battery.

	Parental questionnaire n= (%)	**Child questionnaire** n= (%)	**Isolated tasks test** n= (%)
Belgium	566 (18%)	566 (19%)	516 (20%)
France	605 (19%)	583 (19%)	528 (21%)
Germany	575 (18%)	566 (19%)	492 (19%)
Lithuania	427 (14%)	427 (14%)	232 (9%)
Norway	355 (11%)	326 (11%)	288 (11%)
Poland	260 (8%)	257 (8%)	245 (10%)
Portugal	349 (11%)	291 (10%)	229 (9%)
European Total N=	**3,137**	**3,016**	**2,531**

Table 1 presents the number of respondents for each part of the ALFAC test battery.

Samples

Table 2. Representativity of the total sample according to the sex and the age group in each part of the ALFAC test battery.

		Parental questionnaire *n= (%)*	**Child questionnaire** *n= (%)*	**Isolated tasks test** *n= (%)*
Sex	**Boys**	1,581 (50%)	1,518 (50%)	1,280 (51%)
	Girls	1,556 (50%)	1,498 (50%)	1,251 (49%)
Age group	**6-7 yo**	980 (31%)	914 (30%)	721 (28%)
	8-9 yo	1,242 (40%)	1,202 (39%)	1,043 (41%)
	10-12 yo	915 (29%)	900 (30%)	767 (30%)

Notes. *yo=year-olds*

Table 2 presents the representativity of the sample according to the sex and the age group in each part of the ALFAC test battery.

How is this report organised?

This manual consists of nine chapters: (1) Brief Presentation of the ALFAC Test Battery, (2) How to Raise Aquatic Literacy in Europe? Interpretation of the results, (3) Aquatic Literacy level in Belgium, (4) Aquatic Literacy level in France, (5) Aquatic Literacy level in Germany, (6) Aquatic Literacy level in Lithuania, (7) Aquatic Literacy level in Norway, (8) Aquatic Literacy level in Poland, and (9) Aquatic Literacy level in Portugal.

CHAPTER 1. Brief Presentation of the ALFAC Test Battery is divided into two parts, (1) for each the presentation of the objective of the ALFAC test battery and (2) for the presentation of the skills and competencies assessed in the test battery.

CHAPTER 2. How to Raise Aquatic Literacy in Europe? Interpretation of results presents how national data will be interpreted. It is composed of eight subsections: (1) national strengths and weaknesses presentation, (2) general overview of the data, (3) analysis by sex in the country *vs.* Europe, (4) sex analysis in the country, (5) analysis by age group in the country *vs.* in Europe, (6) age group analysis in the country, (7) recommendations and (8) limits.

CHAPTER 3. Aquatic Literacy level in Belgium,

A. CHAPTER 4. Aquatic Literacy level in France, CHAPTER 5. Aquatic Literacy level in Germany, CHAPTER 6. Aquatic Literacy level in Lithuania, Recommendations

a. Curriculum management

- **Raise awareness among young people about the diversity of opportunities for aquatic sports, particularly among girls.**

The results showed that Lithuanian girls are less attracted than boys to engaging in diverse aquatic activities, both in swimming pools and open water. In order to increase their opportunities to practice physical activities in aquatic environments, it would be useful to raise their awareness of a wide range of activities, such as artistic swimming, which they expressed a greater interest in practicing.

b. Timetable

- **Strengthening swimming education at the youngest ages (4–7)**

While Lithuania is the second European country with the highest number of drowning accidents, the government, in partnership with the Lithuanian Swimming Federation, has implemented a national plan to strengthen aquatic education starting from the age of 7. Based on the results, it seems that this plan is bearing fruit, as the analysis by age group shows that children aged 8–9 perform better on many motor and psychological tasks than their European peers. However, children aged 6–7 remain further behind the European standard for the tested sample, and a stagnation occurs between ages 8–9 and 10–11. Therefore, in order to improve upon the efforts already undertaken with the implementation of 32 lessons for children aged 7–8, it might be worthwhile to spread this number of lessons throughout the children's aquatic curriculum, or even to introduce learning at younger ages (between 4 and 6 years old) in order to provide them with earlier and better protection.

c. Localisation and equipment

- **Increasing the financial and physical accessibility of swimming lessons and swimming lessons for young people**

The evaluation of the Lithuanian national plan reports that 40% of Lithuanian children have had access to the aquatic education program. While the effort has paid off for 8–9-year-olds, who perform better than their peers, not all children take part in this plan. In this sense, it would be worthwhile to allocate additional financial and material resources to increase the proportion of Lithuanian children with access to swimming skills, both to better protect them and to foster their interest in aquatic activities.

d. Staff

- **Provide better training for professionals to develop children's pleasure, social skills, motivation and confidence in, on, and around water at all ages**

Results showed that children do not enjoy swimming lessons either at school or outside of school, are not intrinsically motivated, and have lower confidence than their European counterparts. Moreover, these components do not improve with age. This lack of motivation, confidence, and enjoyment significantly affects young people's engagement in learning, which is essential for developing a wide range of skills that would enable them to safely and diversely participate in aquatic activities in, on, and around the water. To enhance this engagement in learning and broaden the scope of possible aquatic practices, it would be relevant to train swimming education professionals to use playful and cooperative teaching approaches.

e. Assessment

- **Include risk graduation in certification**

Although young Lithuanian children perform relatively well when evaluating risky situations in swimming pools and open water, they have more difficulty assessing situations that do not actually present risks. Their lower level of confidence in deep water, combined with their inadequate evaluation of risks, could put them in danger when engaging in aquatic environments. This lack of ability to distinguish between objective and subjective risk situations may either lead them to unsafe behaviors in the water or prevent them from engaging altogether, thereby limiting the development of essential safety skills. Therefore, integrating this component of risk evaluation into assessments could help certify young people's ability to engage thoughtfully and safely in, on, and around the water.

f. Contents

- **Refocus teaching content, especially on belly propulsion, entry in the water and exit from the water.**

As mentioned earlier, Lithuanian children perform significantly worse in belly propulsion, entry in the water and exit from the water. The significantly lower performance first safety step tasks are essential to ensure the security from the first second after entering in the water but also to help them to exit from diverse risky situations and avoid accident due to exhaustion.

CHAPTER 7. Aquatic Literacy in Norway, CHAPTER 8. Aquatic Literacy level in Poland and **CHAPTER 9**. Aquatic Literacy level in Portugal are chapters devoted to the national analysis of each country, respectively: Belgium, France, Germany, Lithuania, Norway, Poland, and Portugal.

How to read the figures?

Figures A, B, and C illustrate three types of visualisations that can be found in Chapter 3 to 9: (A) an overview comparing the country *vs.* Europe, (B) a comparison between sexes in the country *vs.* Europe and within the country, and (C) a comparison between age groups in the country *vs.* Europe and within the country.

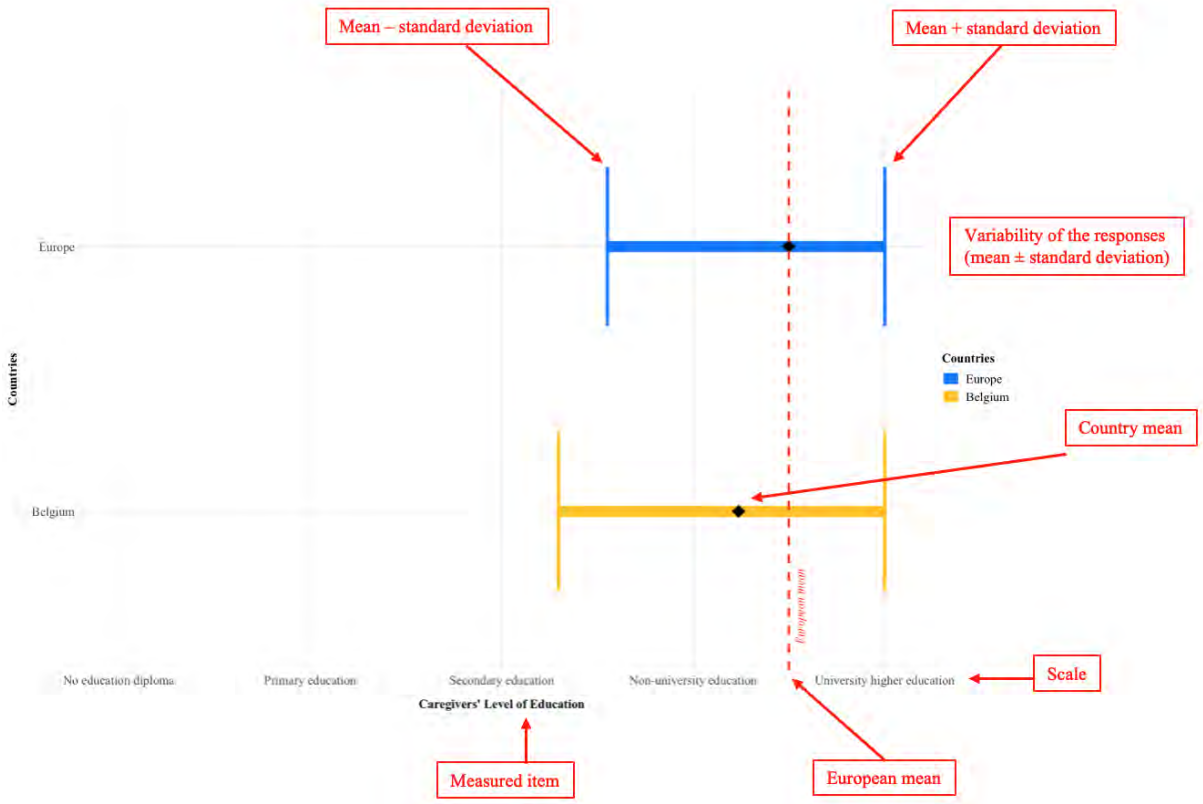


Figure A. Example of the country *vs.* Europe visualisation.

Figure A presents the visualisation of the result in the country (here Belgium) *vs.* European results. On the vertical axis, the top line (in blue) corresponds to the European variability of the responses (mean ± standard deviation), and the second line (in yellow), corresponds to the country analysed (here Belgium). The horizontal axis shows the measured item, with the associated scale displayed below. Each country is represented by a horizontal bar in a different color, illustrating the variability of responses. The vertical ticks at the ends mark the limits of this interval, while the black diamond at the center of each bar indicates the exact mean. Finally, the dashed red vertical line represents the overall European mean (Europe – the country analysed), providing a reference for visually comparing the country analysed to the general mean.

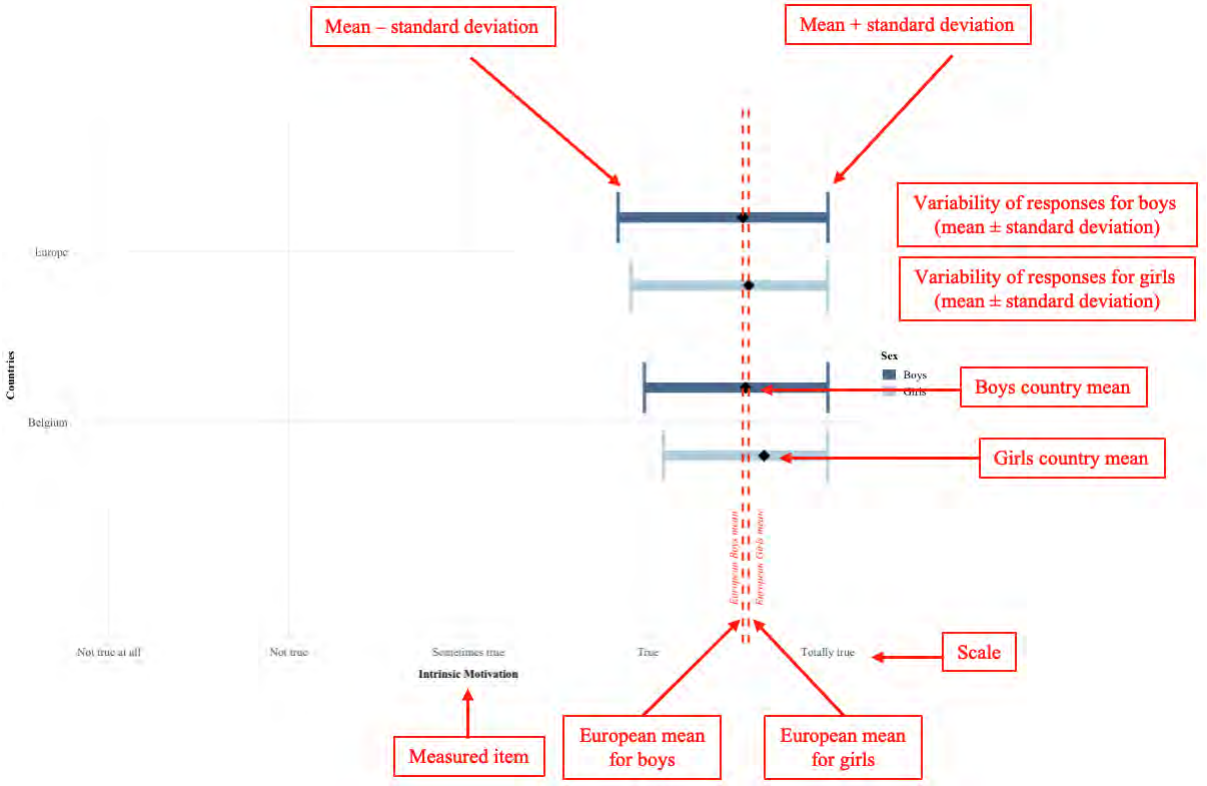


Figure B. Example of visualisation for inter- sex comparison in Belgium *vs.* Europe.

Figure B presents the results by sex in the country of interest (here Belgium) *vs.* Europe. On the vertical axis, two lines appear for the country and Europe: at the top (dark blue) are boys, and at the bottom (light blue) are girls. The horizontal axis shows the measured item, with the associated scale displayed below. The horizontal bars represent the variability of responses (mean ± standard deviation) for each sex. The vertical ticks at the ends precisely mark the bounds of this interval. The black diamond placed at the center of each bar represents the exact observed mean. Finally, the dashed red vertical line corresponds to the overall European mean (all countries and sexes combined), serving as a reference for visually comparing the boys and girls in the country to the European average.

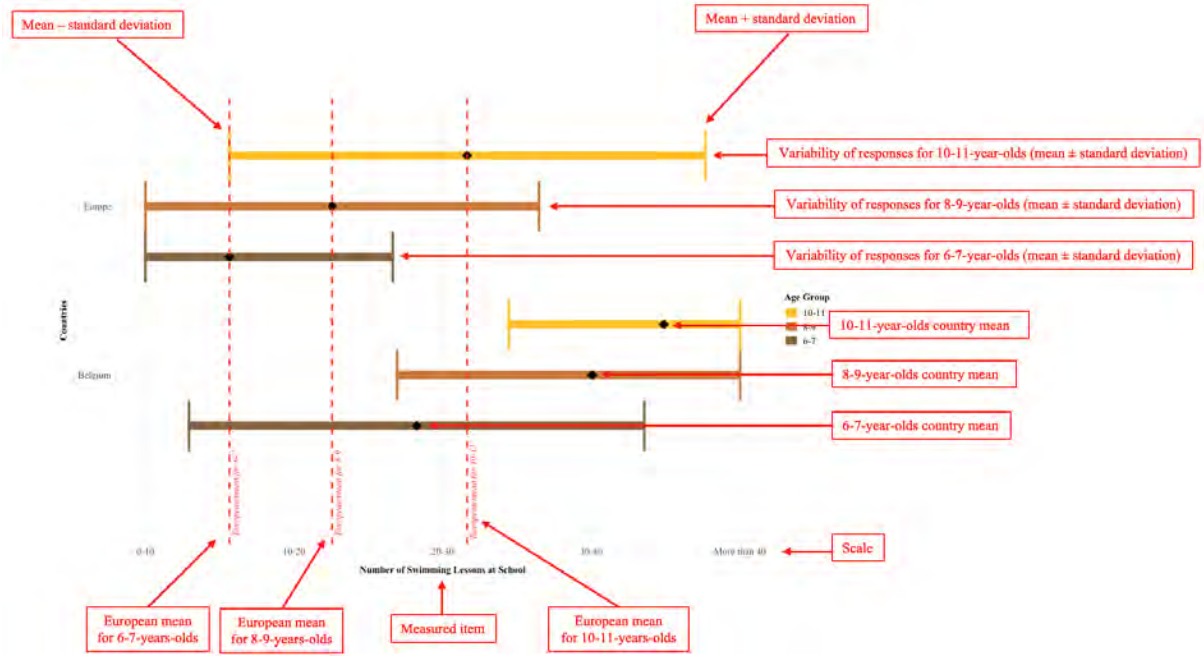


Figure C. Example of visualisation for inter- age group comparison in Belgium *vs.* Europe.

Figure C shows the results by age group in the country of interest (here Belgium) *vs.* Europe. On the vertical axis, three lines appear for the country of interest and Europe: at the top (yellow) are children aged 10-12, in the middle (light brown) those aged 8-9, and at the bottom (dark brown) those aged 6-7. The horizontal axis shows the measured item, with the associated scale displayed below. The horizontal bars represent the variability of responses (mean ± standard deviation) for each age group. The vertical ticks at the ends precisely mark the limits of this interval. The black diamond placed at the center of each bar represents the exact observed mean. Finally, the dashed red vertical line corresponds to the overall European mean (Europe – country of interest, all age groups combined), serving as a reference for visually comparing each the country of interest's age groups to the European mean.

Note: *We chose to represent the mean in each figure even though the data were not normally distributed, to harmonise the content of this report and make it more interpretable for professionals and stakeholders.*

How was the statistical process carried out and how should the tables be read?

Tables A, B, C, D and E illustrate five types of tables that can be found in this report: (A) a comparison of the country of interest *vs.* Europe, (B) a comparison between sexes of the country of interest *vs.* Europe, (C) a comparison between sexes within country, (D) a comparison between age groups of the country of interest *vs.* Europe and (E) a comparison between age groups within country.

For all analyses, a non-parametric statistical test has been applied, since almost all variables did not follow a normal distribution. We therefore used the **Mann–Whitney U test** to compare each country (Table A), according to the sex (Table B and C) and according to the age group (Table D and E). Statistical significance is reported using the conventional notation (p<0.05: *; p<0.01: **, p<0.001: ***). The **effect size** was measured using **Cohen's distance (d)**, interpreted according to Cohen's (1988) guidelines: negligible effect (d<0.2), small effect (0.2<d<0.49), medium effect (0.5<d<0.79) and large effect (d>0.8). In addition, the **approximate statistical power** was estimated and categorised as follows: low (<0.5), moderate (0.5–0.79), adequate (0.8-0.89), and very high (>0.9).

Table A presents an example of a comparative analysis in the country *vs.* Europe with p-values, effect sizes, and statistical power.

Table A. Example of Comparative Analysis in the Country *vs.* Europe with: p-value, Effect Sizes, and Statistical Power.

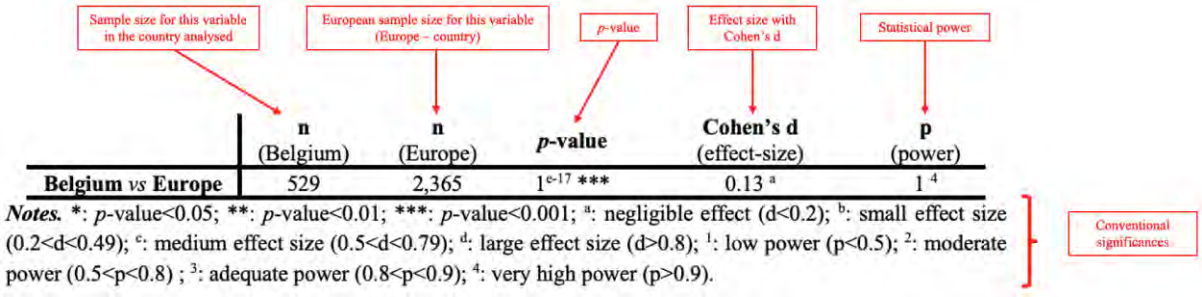
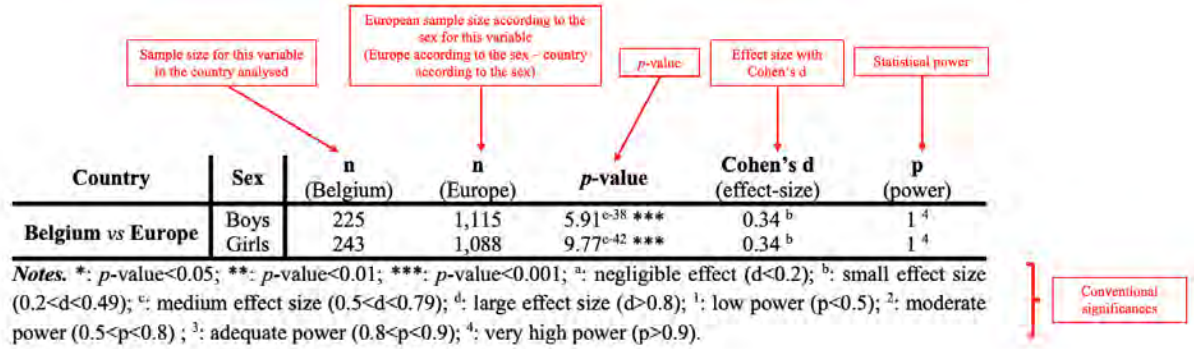


Table B presents an example of a comparative analysis in the country *vs.* Europe according to the sex with p-values, effect sizes, and statistical power.

Table B. Example of Comparative Analysis in the country *vs.* Europe according to the sex with: p-value, Effect Sizes, and Statistical Power.

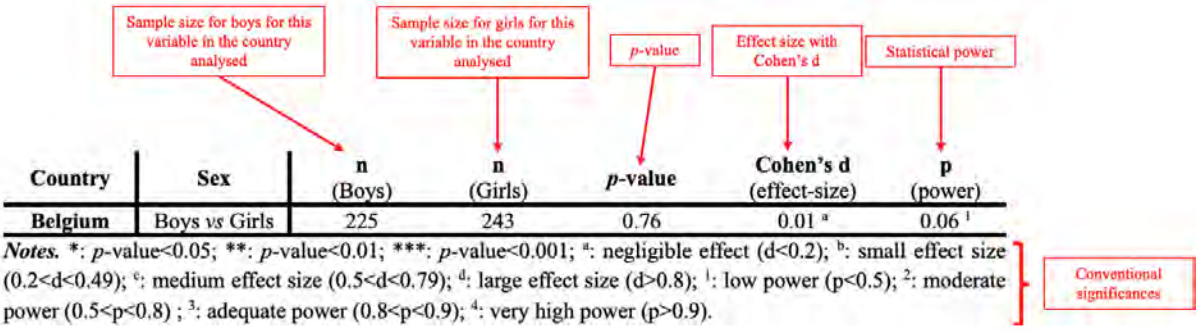


Country	Sex	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	Boys	225	1,115	5.91^{e-38} ***	0.34 [b]	1 [4]
	Girls	243	1,088	9.77^{e-42} ***	0.34 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table C presents an example of a comparative analysis in the country according to the sex with *p*-values, effect sizes, and statistical power.

Table C. Example of Comparative Analysis in the country according to the sex with: *p*-value, Effect Sizes, and Statistical Power.

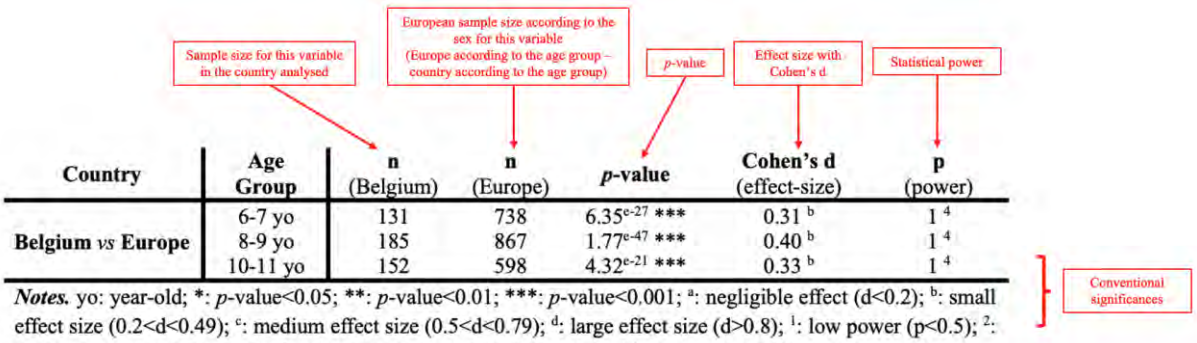


Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	Boys *vs* Girls	225	243	0.76	0.01 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table D presents an example of a comparative analysis in the country *vs.* Europe according to the age group with *p*-values, effect sizes, and statistical power.

Table D. Example of Comparative Analysis in the country *vs.* Europe according to the age group group with: *p*-value, Effect Sizes, and Statistical Power.

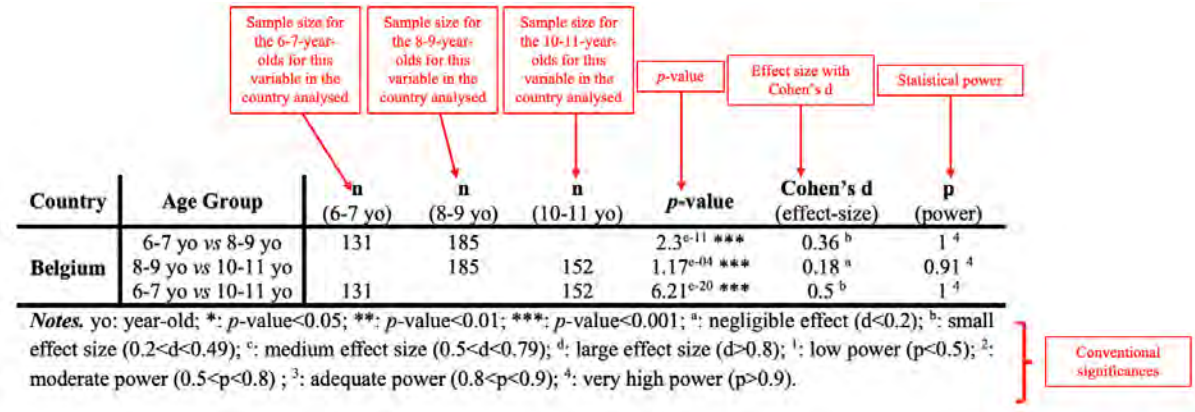


Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	131	738	6.35^{e-27} ***	0.31 [b]	1 [4]
	8-9 yo	185	867	1.77^{e-47} ***	0.40 [b]	1 [4]
	10-11 yo	152	598	4.32^{e-21} ***	0.33 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table E presents an example of a comparative analysis in the country according to the age group with *p*-values, effect sizes, and statistical power.

Table E. Example of Comparative Analysis in the country according to the age group with: *p*-value, Effect Sizes, and Statistical Power.



Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	131	185		2.3^{e-11} ***	0.36 [b]	1 [4]
	8-9 yo *vs* 10-11 yo		185	152	1.17^{e-04} ***	0.18 [a]	0.91 [4]
	6-7 yo *vs* 10-11 yo	131		152	6.21^{e-20} ***	0.5 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

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CHAPTER 1. Brief Presentation of the ALFAC Test Battery

B. What is the ALFAC test battery

Assessing a child's level of aquatic literacy is a real challenge. Aquatic literacy is a set of motor skills, knowledge, social skills and psychological states related to water, making it complex to assess. This involves assessing the aquatic motor repertoire using isolated tasks, using aquatic parcours to assess the ability to link and combine different aquatic skills and make appropriate choices, asking pupils about their enjoyment, confidence, and desire to participate in water sports and how they perceive the risks.

The aim of the ALFAC test battery is to assess the aquatic literacy of children aged 6-12 in a given region. As with the PISA tests, the aim is to identify priority areas for progress to enable children to develop their level of aquatic literacy by improving teaching methods and making the education system more inclusive.

To date, 7 countries are participating in the project: Belgium, France, Germany, Lithuania, Norway, Poland, and Portugal.

The ALFAC test battery is administered in different stages:

Stage 1 – the parental questionnaire. Assesses the child's water experiences and socioeconomic and cultural environment.

Stage 2 – the children questionnaire. Assessment of perceived competence, enjoyment, confidence, motivation and social preferences in swimming. Assessment of knowledge of aquatic activities, desire to participate and perception of risks.

Stage 3 – aquatic tests. Assessment of motor repertoire through isolated tasks and assessment of ability to cope with a swimming scenario involving a combination of skills, analysis of information and making relevant decisions.

To understand how the tests were implemented in the swimming pool, please refer to the test administration manual on the ALFAC website at the following link: https://alfac.eu/index.php?page=alfac-assessor-guidelines-en.

To learn how the data were collected and analysed, please refer to Report 1 on the level of aquatic literacy in Europe at the following link: the link will be active shortly.

C. Skills and competencies assessed

Table 3 presents all the variables measured in each part of the ALFAC test battery.

Table 3. All the variables measured in each part of the ALFAC test battery.

Tests	Elements tested
Parental questionnaire	- Parental education - Number of lessons taken in school by children - Number of lessons taken out-of-school by children - Number of parents/caregivers who know how to swim
Children questionnaire	- Intrinsic motivation - Identified motivation - Confidence in deep water - Perception of level to enter in the water - Perception level to exit from the water - Perception level to rotate in different axis - Perception level to breath into the water - Perception level to propel on the belly - Perception level to propel on the back - Perception level to submerge under the water surface - Perception level to float on the back at the water surface - Level of enjoyment during swimming lessons at school - Level of enjoyment during swimming lessons at school with friends - Level of enjoyment during swimming lessons out-of-school - Level of enjoyment during swimming lessons out-of-school with friends - Level of enjoyment while playing (freely) in the swimming pool - Level of enjoyment while playing (freely) in the swimming pool with friends - Level of enjoyment while playing (freely) in the swimming pool with family - Opportunities to do (more) swimming races - Opportunities to do (more) water polo - Opportunities to do (more) artistic swimming - Opportunities to do (more) diving - Opportunities to do (more) boating activities (e.g., canoeing, kayaking, rowing) - Opportunities to do (more) scuba diving or snorkelling - Opportunities to do (more) gliding aquatic sports (e.g., surf, wakeboard, water skiing, paddle) - Opportunities to do (more) salling activities (eg., windsurfing) - Ability to assess non-risky situations in swimming pool - Ability to assess risky situations in swimming pool - Ability to assess non-risky situations in open water - Ability to assess risky situations in open water
Isolated tasks	- Entry in the water - Exit from the water - Propulsion in the belly - Propulsion on the back - Submersion - Breathing - Treading water - Floating - Rotate

CHAPTER 2. How to Raise Aquatic Literacy in Europe? Interpretation of results

This chapter aims to present the way in which the analysed data will be interpreted. Each national chapter is composed of six sections: (1) Representativeness of the national sample, (2) analysis of the results of the parental questionnaire, (3) analysis of the results of the child questionnaire, (4) analysis of the results of the isolated tasks, (5) identification of strengths and weaknesses in the country, and (6) recommendations for policymakers and professionals to improve the level of aquatic literacy in the country. Below, you will find subsections explaining how each part is written in the national chapters.

A. National Strengths and Weaknesses

In this section, a variable is defined as a **strength** when the mean of the sample analysed in the country is significantly higher than the mean of the corresponding sample in other European countries. Similarly, a variable is defined as a **weakness** when the average of the sample analysed in the country is significantly lower than the mean of the corresponding sample in other European countries.

g. General overview

In the subsection *"General Overview"*, you will find a table of the strengths and weaknesses of the children sample in the country analysed. Only the variables showing a significant difference ($p<0.05$) will be included in the table.

h. Analyse by sex: Nation *vs.* Europe

In the subsection *"Analysis by Sex: Nation vs. Europe"*, you will find a table of the strengths and weaknesses of the children sample in the country analysed, according to sex (boys and girls). Only the variables showing a significant difference ($p<0.05$) with the European counterparts of the same sex will be included in the table. At the end of each variable, it is indicated into brackets whether this strength and/or weakness concerns boys and/or girls.

i. Analyse by sex in the country

In the subsection *"Analysis by Sex in the Country"*, you will find a table of the strengths and weaknesses of boys and girls within the country analysed. Only the variables showing a significant difference ($p<0.05$) with the opposite sex in the same country will be included in the table. In the left column, you will find the strengths of boys (which are also weaknesses for girls), and in the right column, the strengths of girls (which are also weaknesses for boys).

j. Analyse by age group: Nation *vs.* Europe

In the subsection *"Analysis by Age Group: Nation vs. Europe"*, you will find a table of the strengths and weaknesses of the children sample in the country analysed, according to age group (6–7-year-olds, 8–9-year-olds, and 10–11-year-olds). Only the variables showing a significant difference ($p<0.05$) with the European counterparts of the same age group will be included in the table. At the end of each variable, it is indicated into brackets whether this strength and/or weakness concerns the 6–7-year-olds, the 8–9-year-olds, and/or the 10–11-year-olds.

k. Analyse of age group in the country

In the subsection *"Analysis of Age Groups in the Country"*, you will find a table analysing the dynamical evolutions by age for each variable. Only the variables showing a significant inter-group difference ($p<0.05$) will be included in the table. This table consists of four columns: (1) positive evolution, (2) negative evolution, (3) neutral evolution, and (4) chaotic evolution. **Table 4** below presents all possible scenarii and analyses of the inter-group dynamics that you may find in the national chapters.

Table 4. Scenarii of inter-group dynamical evolution found in the age group analysis table within the country (see national chapters).

Evolution type	Logo	Explanations
Positive evolution	↗	6-7<8-9 *or* 8-9<10-11 *or* 6-7<10-11
	↗↗	6-7<8-9 *and* 8-9<10-11
	↗ ➡	6-7<8-9 *and* 8-9=10-11
	➡ ↗	6-7-8-9 *and* 8-9<10-11
Negative evolution	↘	6-7>8-9 *or* 8-9>10-11 *or* 6-7>10-11
	↘↘	6-7>8-9 *and* 8-9>10-11
	↘ ➡	6-7>8-9 *and* 8-9=10-11
	➡ ↘	6-7-8-9 *and* 8-9>10-11
Neutral evolution	➡	6-7=8-9 *and* 8-9=10-11 *and* 6-7=10-11
Chaotic evolution	No logo	All dynamics that do not follow the previous options in this table

Notes. Only the variables with significances inter-group will be informed.

B. Recommendations

Once the general strengths and weaknesses, as well as those by sex and by age group, have been identified, recommendations according to the national context of swimming education with be addressed. To formulate these recommendations, the *Aquatic Curriculum Analysis*

Tool (Mekkaoui et al., 2025)[2] will be used. This tool, developed by experts in teaching, organisation, and research in aquatic education, makes it possible to identify the elements of the aquatic curriculum that significantly impact young people's level of aquatic literacy. The tool is composed of different categories that will be used to shape policy, structural, and pedagogical recommendations aimed at raising the level of aquatic literacy across Europe. **Table 5** presents the different categories that will be discussed in the *"Recommendations"* section of each national chapter.

Table 5. Definition of analytical categories of the Aquatic Curriculum Analysis Tool (ACAT; Mekkaoui et al., 2024)

Analystical categories of the ACAT	Definition of the categories
Curriculum management	National contextual elements of swimming implementation (e.g., compulsory instruction, free access, national culture).
Timetable	Temporal organisation of swimming education (e.g., number of hours, starting age of learning).
Localisation and equipment	Teaching locations (e.g., swimming pool, open water) and use of equipment (e.g., flotation devices, goggles)
Staff	Training of swimming instructors or teachers.
Assessment	Presence of an aquatic skills certification test and foundational elements of the test (e.g., aquatic motor skills, knowledge, adaptive behaviors).
Contents	Motor, psychosocial, and cognitive content of official programs.

Notes. *These categories can be used to discuss the recommendations, but this is not always systematic. In light of the national contexts and the methods of teaching swimming, each chapter will discuss the relevant categories.*

[2] For the reference, please see : Mekkaoui L, Potdevin F, Derigny T, Gandrieau J, Staub I, DeMartelaer K, Kovács Z, Olstad BH, Rejman M, Soares S, Vogt T. Towards a Consensus on the development of the Aquatic Curricula Analysis Tool using an Ecosystem Approach: A Delphi Method. Phys Act Rev 2025; 13(1): 141-155. doi: 10.16926/par.2025.13.13

CHAPTER 3. Aquatic Literacy level in Belgium

A. Representative sample of the country

Belgian cities participating in the study

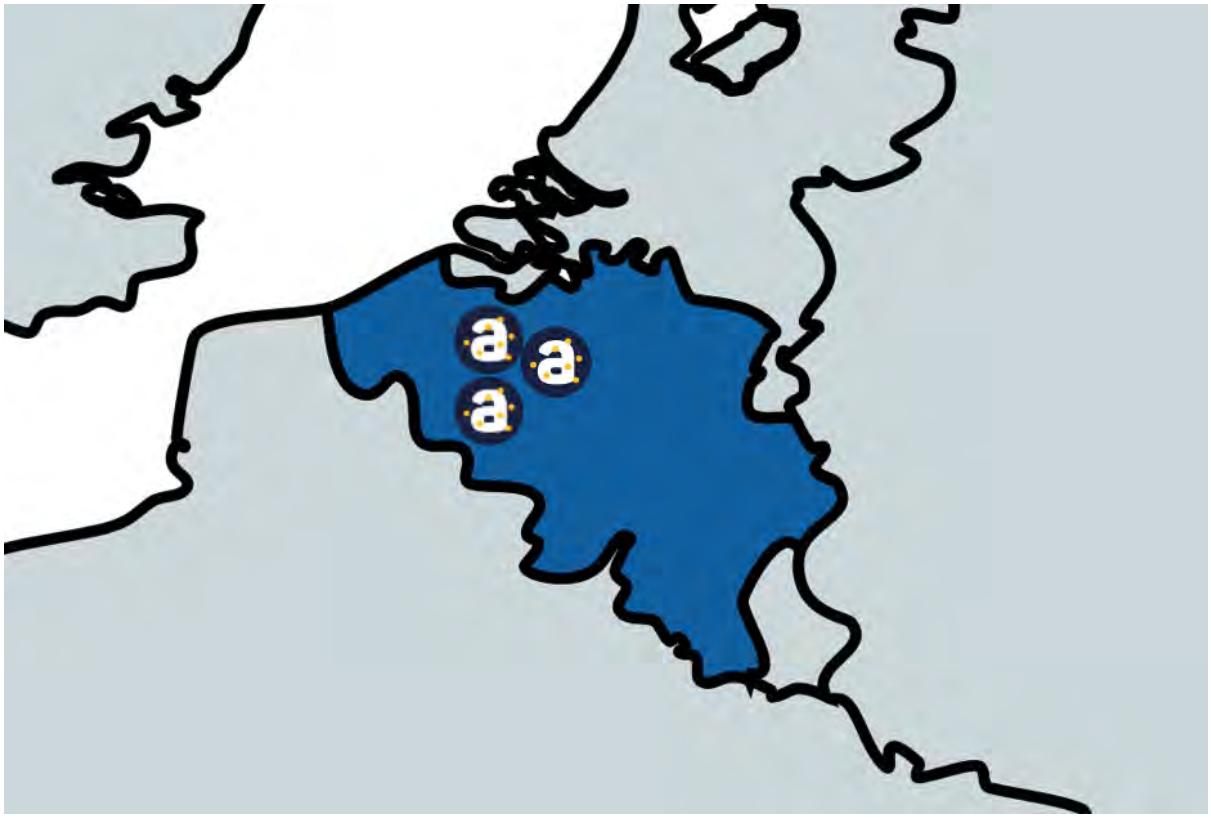


Figure 3. Belgian cities participating in the study.

Figure 3. Belgian cities participating in the study. presents the Belgian cities that took part in the study. Ten cities participated: Etterbeek, Asse, Londerzeel, Diegem, Antwerpen, Edegem, Erembodegem, Eizeringen, Halle and Ganshoren.

Rounded numbers

Table 6. Number of participants for each part of the test in Belgium and in Europe.

	Parental questionnaire *n*=	**Child questionnaire** *n*=	**Isolated tasks** *n*=
Belgium	566	566	516
Europe	2,571	2,450	2,015
Total	**3,137**	**3,016**	**2,531**

Notes. Europe represents the other countries participating in the study (i.e., Belgium, Germany, Lithuania, Norway, Poland and Portugal).

Table 6 presents the number of respondents for each part of the test.

Samples

Table 7. Representativity of the sample according to the sex and the age group in each part of the test for the Belgian sample.

		Parental questionnaire *n=*	Child questionnaire *n=*	Isolated tasks test *n=*
Sex	**Boys**	291	271	250
	Girls	275	295	266
Age group	**6-7 yo**	152	150	136
	8-9 yo	231	230	218
	10-12 yo	183	186	162

Notes. *yo=year-olds*

Table 8. Representativity of the sample according to the sex and the age group in each part of the test for the European sample.

		Parental questionnaire *n= (%)*	Child questionnaire *n= (%)*	Isolated tasks test *n= (%)*
Sex	**Boys**	1,306	1,247	1,030
	Girls	1,265	1,203	985
Age group	**6-7 yo**	828	764	585
	8-9 yo	1,011	972	825
	10-12 yo	732	714	605

Notes. *yo=year-olds*

Table 7 presents the representative Belgian sample according to the sex and the age group in each part of the test, and **Table 8** the European representative sample.

B. Parental questionnaire

Descriptive statistics

Table 9. Number of caregivers answering to the different question of the questionnaire.

Country	Sex	Age group	Parental education (n=)	Number of lessons at school (n=)	Number of lessons out of school (n=)	Do parents can swim? (n=)
Europe	Boys	6-7	371	349	360	391
		8-9	473	447	464	522
		10-11	362	319	334	380
	Girls	6-7	394	389	397	429
		8-9	440	420	436	480
		10-11	325	279	302	343
Belgium	Boys	6-7	69	63	67	70
		8-9	125	105	123	134
		10-11	69	57	69	71
	Girls	6-7	76	68	74	82
		8-9	89	80	82	97
		10-11	101	95	104	112
Total			**2,894**	**2,671**	**2,812**	**3,111**

Notes. Europe: France, Germany, Lithuania, Norway, Poland and Portugal.

Table 10. Descriptive analyse of the parental questionnaire.

Country	Sex	Age group	Parental education Mean (±SD)	Number of lessons at school Mean (±SD)	Number of lessons out-of-school Mean (±SD)	Do parents can swim? Mean (±SD)
Europe	Boys	6-7	4.52 (±0.97)	1.49 (±1.03)	2.34 (±1.64)	1.35 (±0.7)
		8-9	4.51 (±0.91)	2.3 (±1.4)	2.59 (±1.72)	1.37 (±0.68)
		10-11	4.51 (±0.94)	3.12 (±1.62)	3.08 (±1.71)	1.46 (±0.65)
	Girls	6-7	4.53 (±0.9)	1.65 (±1.16)	2.39 (±1.72)	1.34 (±0.69)
		8-9	4.46 (±0.98)	2.21 (±1.4)	2.61 (±1.76)	1.37 (±0.68)
		10-11	4.48 (±1.03)	3.23 (±1.59)	3.09 (±1.75)	1.47 (±0.63)
Belgium	Boys	6-7	4.58 (±0.7)	2.86 (±1.62)	2.98 (±1.6)	1.75 (±0.51)
		8-9	4.16 (±0.98)	4.03 (±1.36)	2.88 (±1.71)	1.5 (±0.74)
		10-11	4.37 (±0.84)	4.6 (±0.93)	2.76 (±1.71)	1.54 (±0.61)
	Girls	6-7	4.28 (±0.89)	2.8 (±1.47)	3.03 (±1.72)	1.57 (±0.71)
		8-9	4.18 (±1.04)	3.98 (±1.27)	2.87 (±1.72)	1.58 (±0.65)
		10-11	4.03 (±1)	4.43 (±1.11)	2.89 (±1.79)	1.62 (±0.64)

Notes. Europe: France, Germany, Lithuania, Norway, Poland and Portugal.

l. Parental Education

Overview

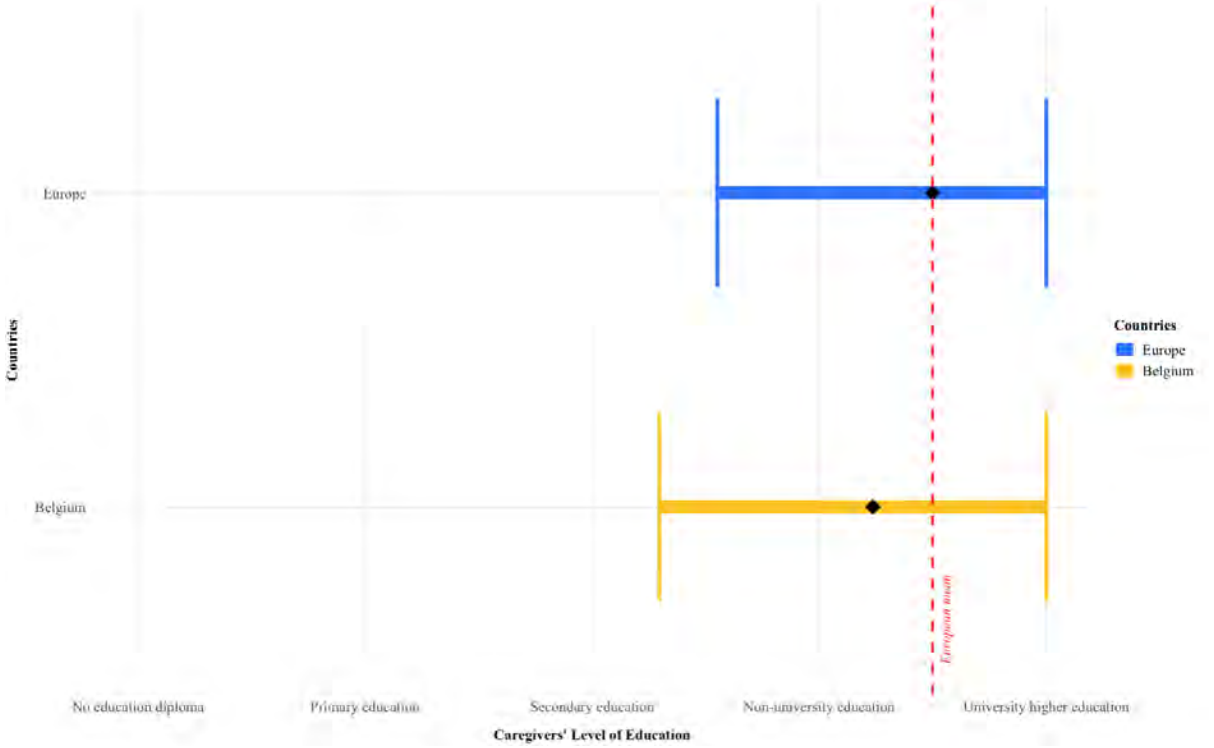


Figure 4. Distribution of the Caregivers' Level of Education in Europe and in Belgium (Mean±SD).

Table 11. Comparative Analysis of Caregivers' Level of Education in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* **Europe**	529	2,365	1^{e-17} ***	0.13 [a]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

m. Number of lessons in school

Overview

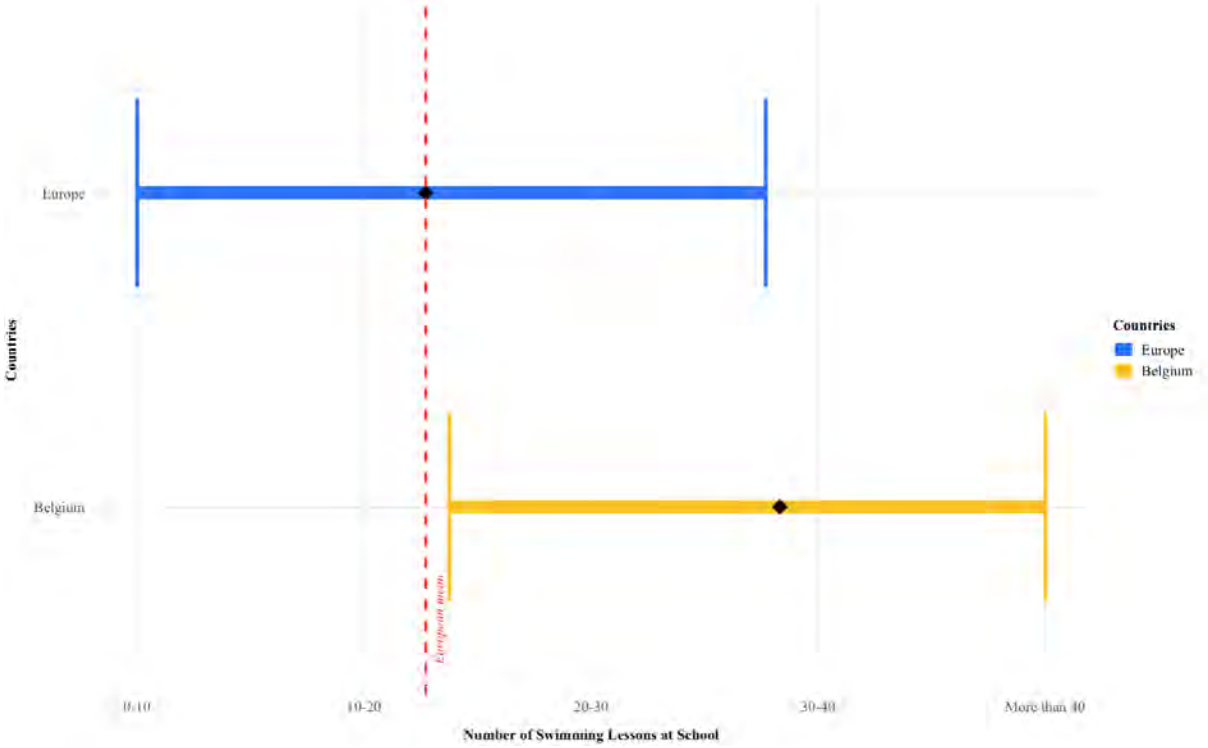


Figure 5. Distribution of the the Number of Lessons at School in Europe and in Belgium (Mean±SD).

Table 12. Comparative Analysis of the Number of Lessons at School in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	468	2,203	6.6^{e-78} ***	0.74 [c]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

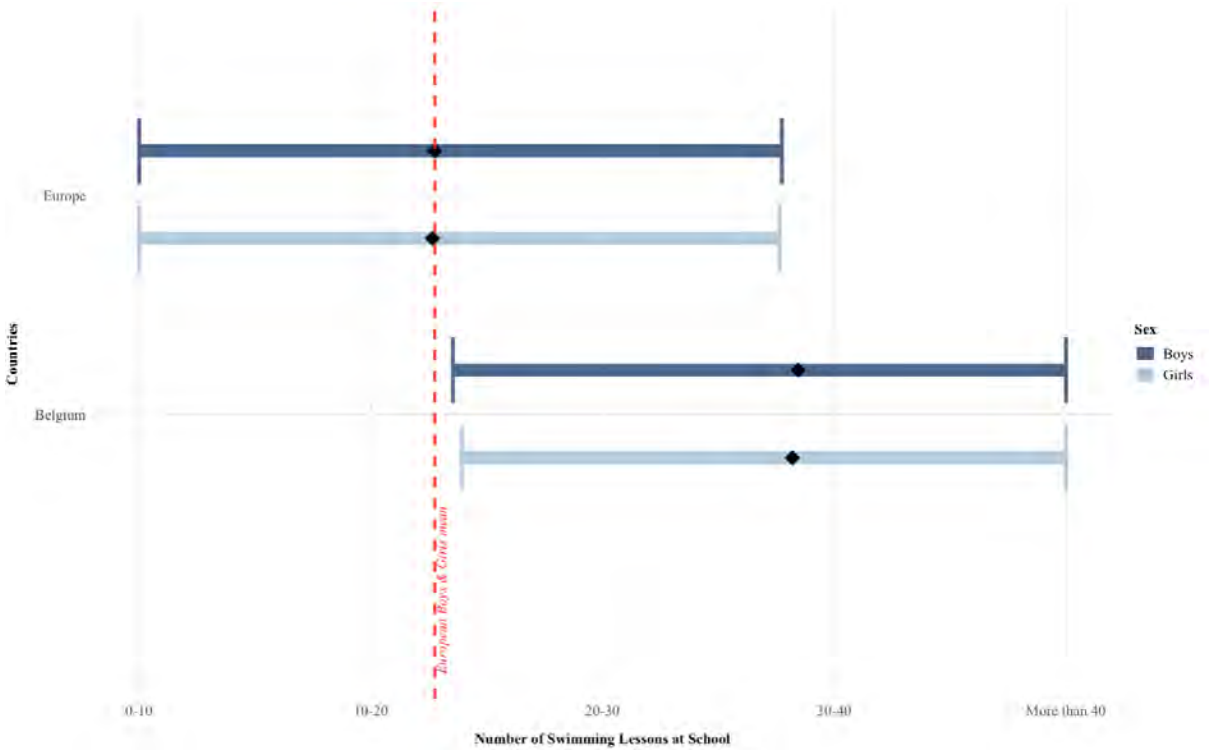


Figure 6. Distribution of the the Number of Lessons at School according to the Sex in Europe and in Belgium (Mean±SD).

Table 13. Comparative Analysis of the Number of Lessons at School in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	225	1,115	5.91^{e-38} ***	0.34 [b]	1 [4]
	Girls	243	1,088	9.77^{e-42} ***	0.34 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 14. Comparative Analysis of the Number of Lessons at School in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	225	243	0.76	0.01 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

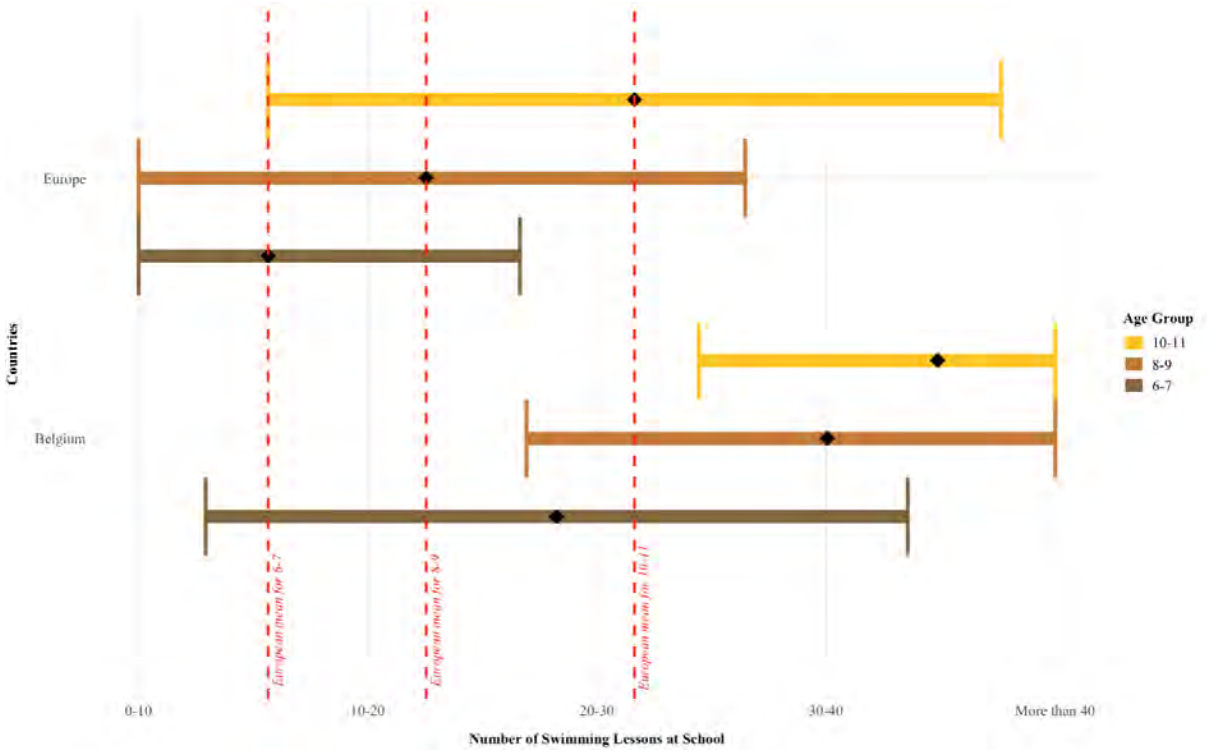


Figure 7. Distribution of the the Number of Lessons at School according to the Age Group in Europe and in Belgium (Mean±SD).

Table 15. Comparative Analysis of the Number of Lessons at School in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	131	738	6.35^{e-27} ***	0.31 [b]	1 [4]
	8-9 yo	185	867	1.77^{e-47} ***	0.40 [b]	1 [4]
	10-11 yo	152	598	4.32^{e-21} ***	0.33 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 16. Comparative Analysis of the Number of Lessons at School in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	131	185		2.3^{e-11} ***	0.36 [b]	1 [4]
	8-9 yo *vs* 10-11 yo		185	152	1.17^{e-04} ***	0.18 [a]	0.91 [4]
	6-7 yo *vs* 10-11 yo	131		152	6.21^{e-20} ***	0.5 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

n. Number of lessons out-of-school

Overview

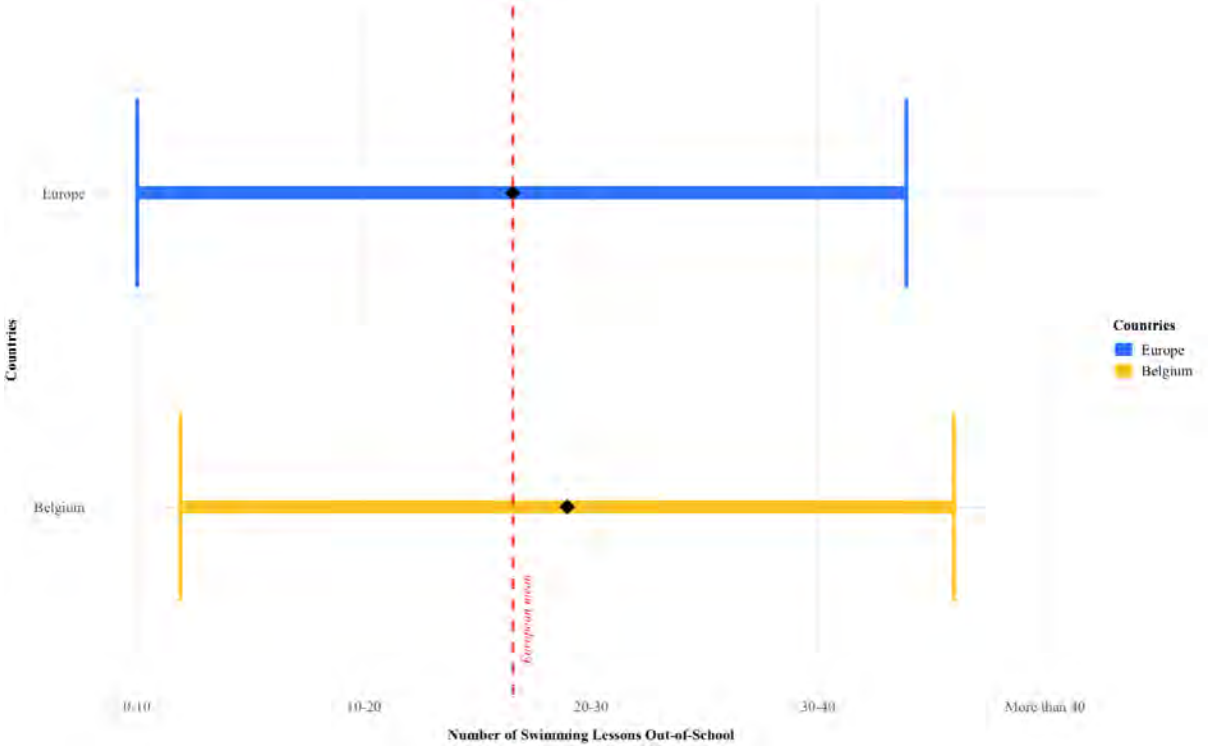


Figure 8. Distribution of the the Number of Lessons Out-of-School in Europe and in Belgium (Mean±SD).

Table 17. Comparative Analysis of the Number of Lessons Out-of-School in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	519	2,293	8.8^{e-4} ***	0.12 [a]	0.69 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

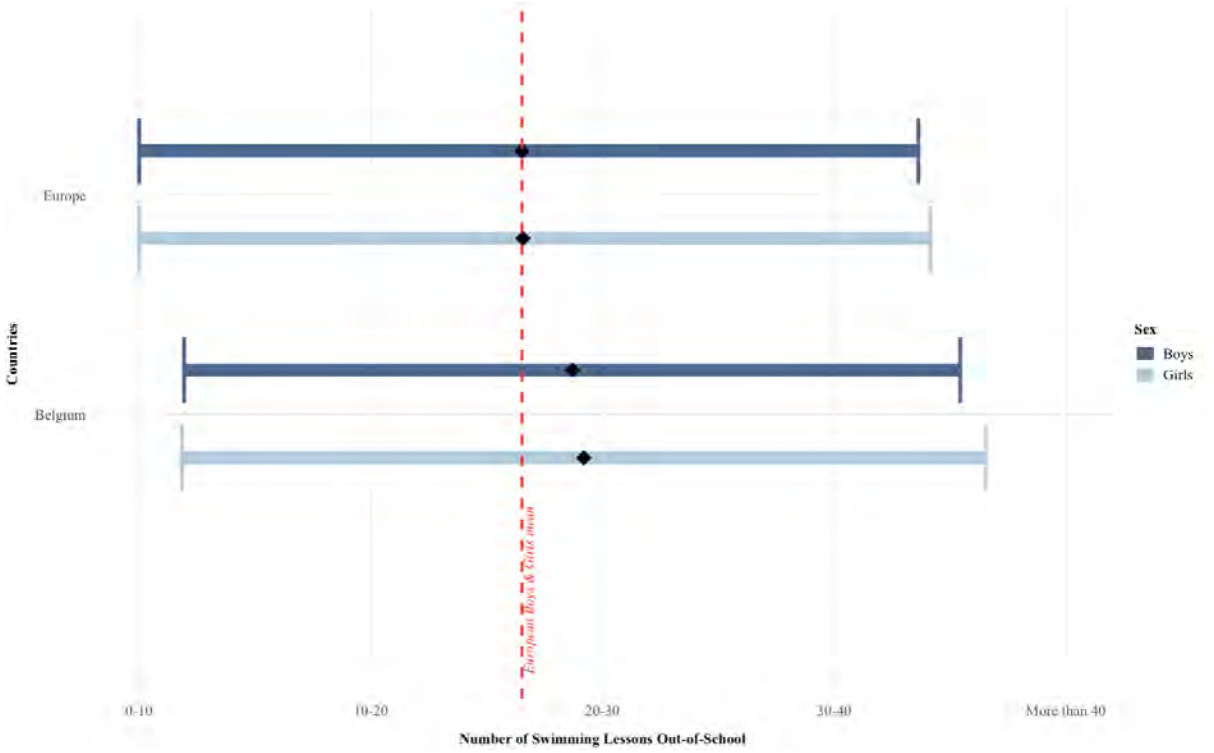


Figure 9. Distribution of the the Number of Lessons Out-of-School according to the Sex in Europe and in Belgium (Mean±SD).

Table 18. Comparative Analysis of the Number of Lessons Out-of-School in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	259	1,158	0.03 *	0.06 [a]	0.37 [1]
	Girls	260	1,135	0.01 *	0.06 [a]	0.44 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 19. Comparative Analysis of the Number of Lessons Out-of-School in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	259	260	0.82	0.009 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

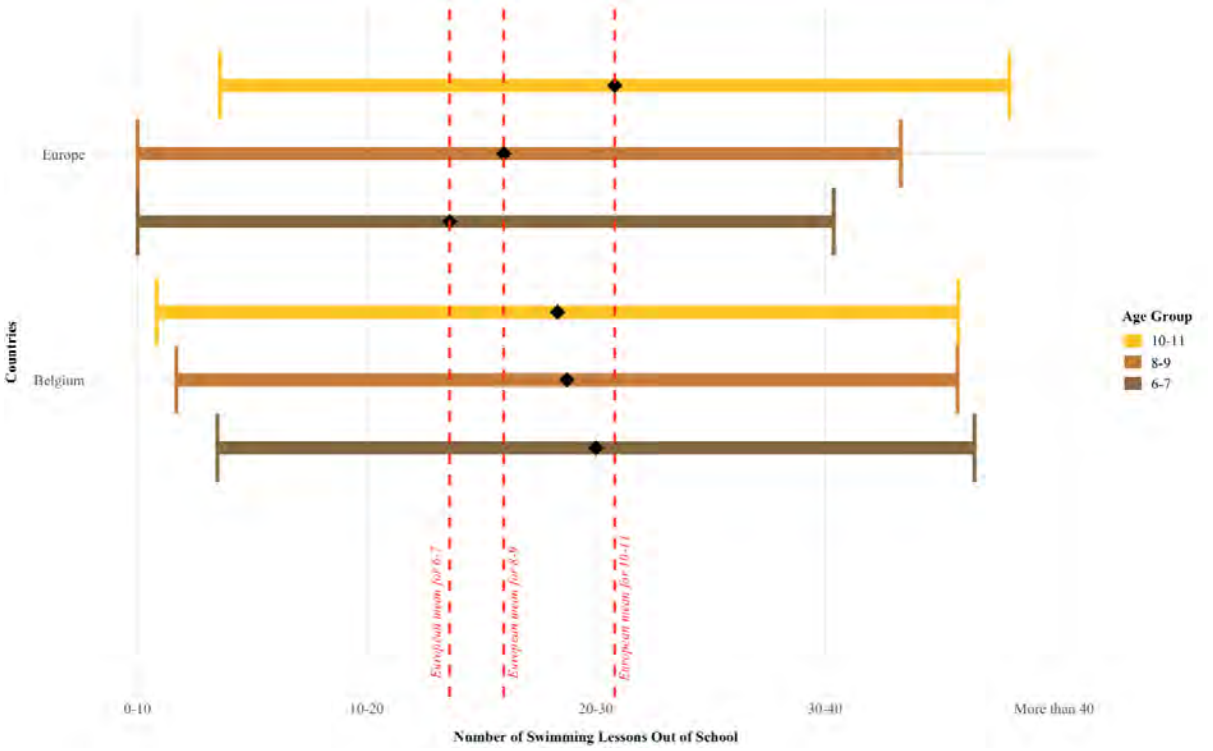


Figure 10. Distribution of the the Number of Lessons Out-of-School according to the Age Group in Europe and in Belgium (Mean±SD).

Table 20. Comparative Analysis of the Number of Lessons Out-of-School in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	141	757	5.59^{e-06} ***	0.14 [a]	0.87 [3]
	8-9 yo	205	900	0.02 *	0.07 [a]	0.4 [1]
	10-11 yo	173	636	0.16	0.04 [a]	0.2 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 21. Comparative Analysis of the Number of Lessons Out-of-School in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	141	205		0.48	0.04 [a]	0.1 [1]
	8-9 yo *vs* 10-11 yo		205	173	0.84	0.01 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	141		173	0.39	0.05 [a]	0.13 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

o. Do parents/caregivers know to swim?

Overview

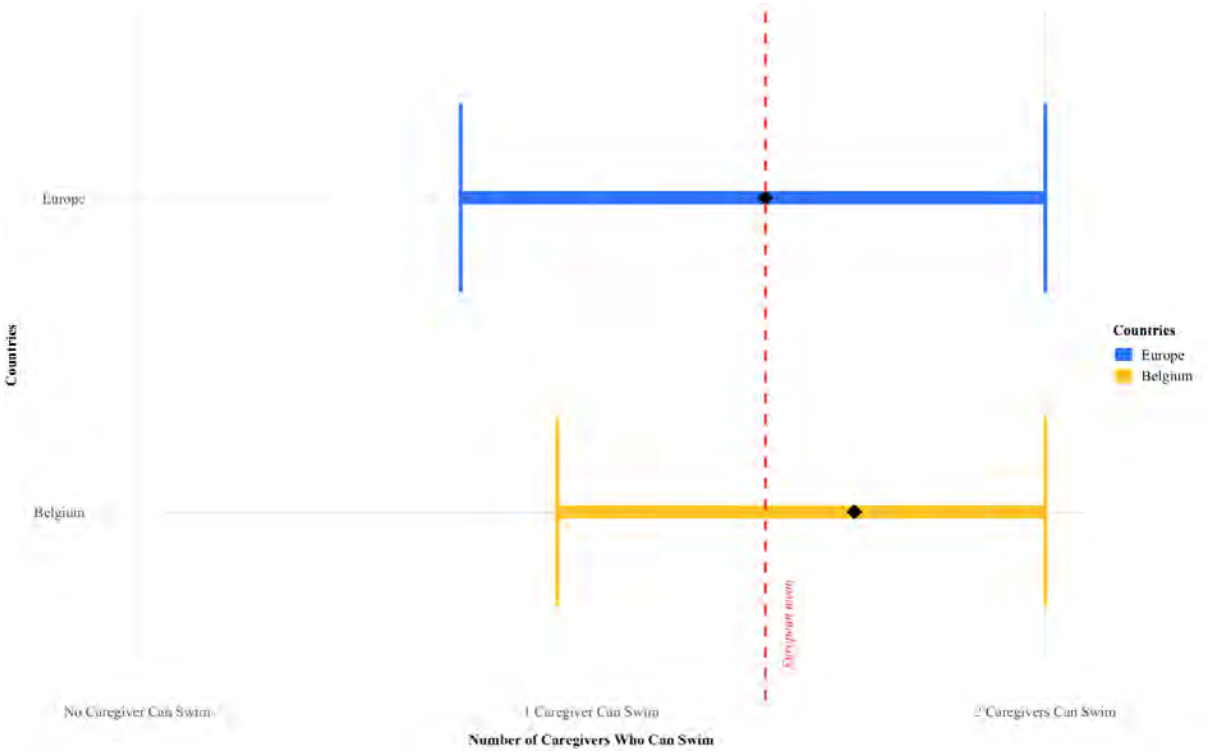


Figure 11. Distribution of the the Number of Caregivers Who Can Swim in Europe and in Belgium (Mean±SD).

Table 22. Comparative Analysis of the Number of Caregivers Who Can Swim in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	566	2,545	1.97^{e-12} ***	0.23 [b]	1 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

C. Child questionnaire

Descriptive analysis

Table 23. Number of children answering to the child questionnaire

Country	Sex	Age group	Intrinsic motivation (n=)	Identified motivation (n=)	Confidence in deep water (n=)	Perceived entry (n=)	Perceived exit (n=)
Europe	Boys	6-7	362	362	357	321	329
		8-9	509	509	504	468	466
		10-11	372	372	371	350	350
	Girls	6-7	396	397	392	370	373
		8-9	461	460	459	425	435
		10-11	341	341	335	316	322
Belgium	Boys	6-7	69	69	69	67	69
		8-9	131	131	131	121	122
		10-11	71	71	71	70	70
	Girls	6-7	81	80	81	79	79
		8-9	98	99	98	94	96
		10-11	115	115	114	114	114
Total			**3,006**	**3,006**	**2,982**	**2,795**	**2,825**

Country	Sex	Age group	Perceived rotation (n=)	Perceived breathing (n=)	Perceived treading (n=)	Perceived back propulsion (n=)	Perceived belly propulsion (n=)
Europe	Boys	6-7	304	333	332	328	325
		8-9	427	480	474	462	467
		10-11	321	350	355	350	344
	Girls	6-7	345	368	370	364	359
		8-9	395	431	435	424	430
		10-11	289	314	320	312	316
Belgium	Boys	6-7	65	69	69	68	69
		8-9	120	131	131	130	127
		10-11	69	70	71	71	70
	Girls	6-7	78	79	76	80	80
		8-9	93	98	97	98	97
		10-11	112	115	114	115	113
Total			**2,618**	**2,838**	**2,844**	**2,802**	**2,787**

Country	Sex	Age group	Perceived submersion (n=)	Perceived floatation (n=)	Like lessons at school (n=)	Like lessons at school with friends (n=)	Like lessons out-of- school (n=)
Europe	Boys	6-7	326	327	176	180	251
		8-9	466	467	365	373	369
		10-11	347	348	313	319	310
	Girls	6-7	363	360	207	215	292
		8-9	427	431	330	337	312
		10-11	314	317	307	311	277
Belgium	Boys	6-7	68	69	67	66	44
		8-9	129	129	131	130	76
		10-11	71	71	71	70	31
	Girls	6-7	80	80	81	80	57
		8-9	97	97	97	94	60
		10-11	113	114	115	115	56
Total			**2,801**	**2,810**	**2,260**	**2,290**	**2,135**

Notes. Europe: France, Germany, Lithuania, Norway, Poland and Portugal.

Table 23. Cont.

Country	Sex	Age group	Like lessons out-of- school with friends (n=)	Like paying in the pool (n=)	Like paying in the pool with friends (n=)	Like paying in the pool with family (n=)
Europe	Boys	6-7	274	342	339	340
		8-9	369	489	482	493
		10-11	303	362	358	359
	Girls	6-7	302	373	375	373
		8-9	337	452	442	445
		10-11	282	334	334	334
Belgium	Boys	6-7	40	68	65	67
		8-9	77	125	121	117
		10-11	29	71	69	65
	Girls	6-7	60	79	76	75
		8-9	59	98	97	92
		10-11	61	113	114	110
Total			**2,195**	**2,906**	**2,872**	**2,870**

Country	Sex	Age group	Swimming Race (n=)	Water-Polo (n=)	Synchronised Swimming (n=)	Diving (n=)	Activity 1 (n=)	Activity 2 (n=)
Europe	Boys	6-7	345	345	337	337	342	341
		8-9	496	492	497	495	497	495
		10-11	365	363	359	359	360	358
	Girls	6-7	386	386	380	380	377	383
		8-9	457	450	452	452	454	453
		10-11	341	341	336	334	334	331
Belgium	Boys	6-7	67	68	67	69	67	68
		8-9	131	131	131	131	129	128
		10-11	71	71	71	71	71	71
	Girls	6-7	81	81	80	80	80	79
		8-9	98	98	98	97	96	98
		10-11	115	115	115	115	115	115
Total			**2,953**	**2,941**	**2,923**	**2,920**	**2,922**	**2,920**

Country	Sex	Age group	Activity 3 (n=)	Activity 4 (n=)	Low risk in the pool (n=)	High risk in the pool (n=)	Low risk open water (n=)	High risk open water (n=)
Europe	Boys	6-7	337	345	354	352	354	354
		8-9	492	493	506	507	506	506
		10-11	360	361	366	366	363	363
	Girls	6-7	383	387	396	395	391	390
		8-9	448	451	461	460	461	460
		10-11	335	330	340	340	340	341
Belgium	Boys	6-7	68	66	69	69	69	69
		8-9	128	130	131	131	131	131
		10-11	71	71	71	71	71	71
	Girls	6-7	81	80	80	80	80	80
		8-9	98	98	99	99	99	99
		10-11	115	114	115	115	115	115
Total			**2,916**	**2,926**	**2,988**	**2,985**	**2,980**	**2,979**

Notes. Europe: France, Germany, Lithuania, Norway, Poland and Portugal.

Table 24. Descriptive analyse of the child questionnaire.

Country	Sex	Age group	Intrinsic motivation Mean (±SD)	Identified motivation Mean (±SD)	Confidence in deep water Mean (±SD)	Perceived entry Mean (±SD)	Perceived exit Mean (±SD)
Europe	Boys	6-7	4.53 (±0.78)	4.16 (±0.91)	3.31 (±1.65)	3.77 (±1.68)	4.21 (±1.5)
		8-9	4.51 (±0.69)	4.2 (±0.82)	3.8 (±1.43)	4.08 (±1.41)	4.5 (±1.15)
		10-11	4.57 (±0.63)	4.27 (±0.67)	4.26 (±1.08)	4.55 (±0.99)	4.73 (±0.8)
	Girls	6-7	4.58 (±0.72)	4.18 (±0.86)	3.24 (±1.65)	3.35 (±1.82)	4.06 (±1.53)
		8-9	4.62 (±0.61)	4.29 (±0.72)	3.62 (±1.42)	3.82 (±1.45)	4.35 (±1.26)
		10-11	4.47 (±0.65)	4.18 (±0.67)	4.01 (±1.23)	4.25 (±1.11)	4.6 (±0.96)
Belgium	Boys	6-7	4.61 (±0.59)	4.3 (±0.8)	3.83 (±1.46)	4.23 (±1.21)	4.6 (±1.02)
		8-9	4.51 (±0.57)	3.94 (±0.76)	4.04 (±1.45)	4.43 (±1.13)	4.74 (±0.71)
		10-11	4.55 (±0.55)	4.19 (±0.75)	4.43 (±0.89)	4.62 (±0.75)	4.86 (±0.58)
	Girls	6-7	4.74 (±0.55)	4.33 (±0.76)	4.05 (±1.44)	4.12 (±1.36)	4.38 (±1.33)
		8-9	4.66 (±0.48)	4.12 (±0.67)	3.96 (±1.3)	4.03 (±1.22)	4.62 (±0.99)
		10-11	4.58 (±0.64)	4.25 (±0.69)	4.35 (±1.04)	4.15 (±1.14)	4.72 (±0.74)

Country	Sex	Age group	Perceived rotation Mean (±SD)	Perceived breathing Mean (±SD)	Perceived treading Mean (±SD)	Perceived back propulsion Mean (±SD)	Perceived belly propulsion Mean (±SD)
Europe	Boys	6-7	2.96 (±1.96)	4.09 (±1.53)	3.4 (±1.78)	3.45 (±1.74)	3.85 (±1.67)
		8-9	3.56 (±1.73)	4.38 (±1.12)	3.71 (±1.51)	3.98 (±1.49)	4.17 (±1.39)
		10-11	4.23 (±1.34)	4.5 (±0.83)	4.13 (±1.17)	4.25 (±1.18)	4.51 (±0.89)
	Girls	6-7	2.65 (±1.92)	3.87 (±1.6)	3.13 (±1.81)	3.36 (±1.84)	3.58 (±1.73)
		8-9	3.4 (±1.67)	4.43 (±1)	3.66 (±1.56)	3.9 (±1.5)	4.07 (±1.34)
		10-11	4.04 (±1.48)	4.34 (±0.93)	3.83 (±1.21)	4.03 (±1.26)	4.28 (±1.13)
Belgium	Boys	6-7	3.79 (±1.63)	4.48 (±1.19)	3.79 (±1.53)	3.58 (±1.72)	3.92 (±1.58)
		8-9	4.05 (±1.46)	4.47 (±0.88)	3.81 (±1.45)	4.17 (±1.37)	4.46 (±1.05)
		10-11	4.44 (±1)	4.39 (±0.84)	3.98 (±1.02)	4.5 (±0.74)	4.68 (±0.66)
	Girls	6-7	3.35 (±1.89)	4.47 (±1.11)	3.41 (±1.72)	3.79 (±1.63)	3.97 (±1.51)
		8-9	4.04 (±1.36)	4.26 (±0.98)	3.78 (±1.4)	4.04 (±1.45)	4.2 (±1.22)
		10-11	4.09 (±1.4)	4.45 (±0.82)	4.04 (±1.07)	4.41 (±1.04)	4.41 (±1.05)

Country	Sex	Age group	Perceived submersion Mean (±SD)	Perceived floatation Mean (±SD)	Like lessons at school Mean (±SD)	Like lessons at school with friends Mean (±SD)	Like lessons out-of- school Mean (±SD)
Europe	Boys	6-7	3.72 (±1.75)	3.61 (±1.76)	4.14 (±1.36)	3.95 (±1.43)	4.35 (±1.21)
		8-9	4.16 (±1.36)	4.07 (±1.38)	4.23 (±1.16)	4.17 (±1.21)	4.26 (±1.13)
		10-11	4.39 (±1)	4.31 (±1.01)	4.14 (±1.06)	4.07 (±1)	4.03 (±1.16)
	Girls	6-7	3.49 (±1.84)	3.5 (±1.76)	4.37 (±1.09)	4.27 (±1.19)	4.31 (±1.19)
		8-9	4.11 (±1.4)	4.22 (±1.26)	4.28 (±1.03)	4.26 (±0.96)	4.45 (±0.92)
		10-11	4.22 (±1.13)	4.22 (±1.06)	3.95 (±1.13)	3.96 (±1.02)	4.13 (±1.02)
Belgium	Boys	6-7	4.06 (±1.51)	3.85 (±1.55)	4.54 (±0.92)	4.38 (±0.95)	4.6 (±0.85)
		8-9	4.3 (±1.17)	4.13 (±1.08)	4.05 (±1.09)	4.1 (±1.09)	4.2 (±1.24)
		10-11	4.44 (±0.74)	4.37 (±0.77)	3.82 (±1.04)	3.7 (±1.11)	4 (±1.04)
	Girls	6-7	3.93 (±1.58)	3.62 (±1.61)	4.61 (±0.76)	4.39 (±1)	4.36 (±1.21)
		8-9	4.29 (±1)	4.04 (±1.14)	4.23 (±0.98)	4.12 (±0.95)	4.2 (±1.12)
		10-11	4.02 (±1.24)	4.37 (±1.05)	4.02 (±1.04)	4.13 (±0.9)	4.43 (±0.9)

Notes. Europe: France, Germany, Lithuania, Norway, Poland and Portugal.

Table 24. Cont.

Country	Sex	Age group	Like lessons out-of- school with friends Mean (±SD)	Like paying in the pool Mean (±SD)	Like paying in the pool with friends Mean (±SD)	Like paying in the pool with family Mean (±SD)
Europe	Boys	6-7	4.17 (±1.28)	4.64 (±0.95)	4.59 (±1)	4.67 (±0.93)
		8-9	4.03 (±1.25)	4.67 (±0.83)	4.61 (±0.92)	4.7 (±0.79)
		10-11	3.98 (±1.14)	4.62 (±0.69)	4.72 (±0.66)	4.55 (±0.77)
	Girls	6-7	4.26 (±1.21)	4.68 (±0.87)	4.74 (±0.75)	4.76 (±0.78)
		8-9	4.22 (±1.1)	4.74 (±0.63)	4.71 (±0.72)	4.78 (±0.66)
		10-11	3.93 (±1.04)	4.56 (±0.78)	4.71 (±0.56)	4.62 (±0.71)
Belgium	Boys	6-7	4.45 (±1.14)	4.86 (±0.58)	4.77 (±0.66)	4.78 (±0.76)
		8-9	3.88 (±1.3)	4.77 (±0.6)	4.75 (±0.69)	4.71 (±0.7)
		10-11	3.87 (±1.25)	4.81 (±0.5)	4.73 (±0.62)	4.74 (±0.54)
	Girls	6-7	4.39 (±1.05)	4.83 (±0.45)	4.64 (±0.75)	4.84 (±0.55)
		8-9	4.04 (±1.12)	4.8 (±0.58)	4.77 (±0.71)	4.64 (±0.89)
		10-11	4.35 (±0.93)	4.71 (±0.76)	4.85 (±0.51)	4.82 (±0.46)

Country	Sex	Age group	Swimming Race Mean (±SD)	Water Polo Mean (±SD)	Synchronised Swimming Mean (±SD)	Diving Mean (±SD)	Activity 1 Mean (±SD)	Activity 2 Mean (±SD)
Europe	Boys	6-7	3.46 (±1.69)	3.92 (±1.58)	2.33 (±1.67)	3.64 (±1.71)	4.03 (±1.53)	3.88 (±1.55)
		8-9	3.63 (±1.52)	3.99 (±1.43)	2.18 (±1.51)	3.9 (±1.48)	4.08 (±1.36)	4.15 (±1.32)
		10-11	3.37 (±1.44)	3.87 (±1.37)	1.92 (±1.28)	3.84 (±1.39)	4.04 (±1.2)	4.23 (±1.16)
	Girls	6-7	3.4 (±1.66)	3.3 (±1.66)	3.52 (±1.65)	3.17 (±1.74)	3.76 (±1.59)	3.55 (±1.65)
		8-9	3.62 (±1.48)	3.4 (±1.5)	3.63 (±1.49)	3.53 (±1.59)	4.06 (±1.28)	3.91 (±1.43)
		10-11	3.36 (±1.31)	3.54 (±1.31)	3.48 (±1.4)	3.65 (±1.39)	3.99 (±1.2)	4.05 (±1.2)
Belgium	Boys	6-7	3.5 (±1.69)	4.08 (±1.39)	1.47 (±1.07)	3.69 (±1.67)	3.8 (±1.68)	3.8 (±1.58)
		8-9	3.24 (±1.64)	4.01 (±1.37)	1.68 (±1.38)	3.88 (±1.57)	4.36 (±1.08)	4.01 (±1.43)
		10-11	3.05 (±1.45)	4.13 (±1.13)	1.7 (±1.08)	3.61 (±1.57)	4.1 (±1.19)	4 (±1.29)
	Girls	6-7	3.51 (±1.69)	3.03 (±1.74)	3.54 (±1.68)	3.2 (±1.8)	3.73 (±1.6)	3.32 (±1.73)
		8-9	3.28 (±1.51)	3.4 (±1.43)	3.66 (±1.46)	3.44 (±1.59)	3.86 (±1.31)	3.54 (±1.47)
		10-11	3.2 (±1.34)	3.77 (±1.26)	3.27 (±1.47)	3.49 (±1.45)	4.2 (±1.2)	4.04 (±1.21)

Country	Sex	Age group	Activity 3 Mean (±SD)	Activity 4 Mean (±SD)	Low risk in the pool Mean (±SD)	High risk in the pool Mean (±SD)	Low risk open water Mean (±SD)	High risk open water Mean (±SD)
Europe	Boys	6-7	3.89 (±1.59)	3.67 (±1.63)	3.32 (±1.36)	2.61 (±1.31)	3.94 (±1.25)	2.31 (±1.46)
		8-9	4.08 (±1.37)	3.77 (±1.47)	3.31 (±1.28)	2.71 (±1.17)	3.84 (±1.25)	2.64 (±1.4)
		10-11	4.05 (±1.25)	3.71 (±1.41)	3.56 (±1.06)	2.44 (±1.2)	4 (±1.15)	2.07 (±1.27)
	Girls	6-7	3.43 (±1.62)	3.27 (±1.66)	3.23 (±1.27)	2.76 (±1.27)	3.82 (±1.19)	2.38 (±1.28)
		8-9	3.8 (±1.48)	3.49 (±1.49)	3.22 (±1.17)	2.89 (±1.08)	3.79 (±1.12)	2.74 (±1.34)
		10-11	3.99 (±1.25)	3.55 (±1.29)	3.39 (±1.14)	2.77 (±1.13)	3.88 (±1.15)	2.38 (±1.23)
Belgium	Boys	6-7	3.9 (±1.57)	3.66 (±1.59)	3.79 (±0.94)	2.58 (±1.1)	4.03 (±1.09)	2.44 (±1.16)
		8-9	4.16 (±1.29)	3.96 (±1.33)	3.73 (±1.02)	2.52 (±1.15)	4.18 (±0.99)	2.59 (±1.24)
		10-11	4.1 (±1.21)	3.65 (±1.27)	3.67 (±1.05)	2.47 (±1.17)	4.3 (±0.89)	2.53 (±1.26)
	Girls	6-7	3.15 (±1.77)	3.13 (±1.66)	3.75 (±1.07)	2.89 (±0.93)	4.08 (±1.13)	2.29 (±1.27)
		8-9	3.74 (±1.42)	3.23 (±1.44)	3.53 (±1.14)	2.58 (±1.01)	3.98 (±1.1)	2.55 (±1.27)
		10-11	4.22 (±1.15)	3.65 (±1.39)	3.73 (±1)	2.48 (±1.08)	4.09 (±1.17)	2.67 (±1.28)

Notes. Europe: France, Germany, Lithuania, Norway, Poland and Portugal.

a. Intrinsic motivation

Overview

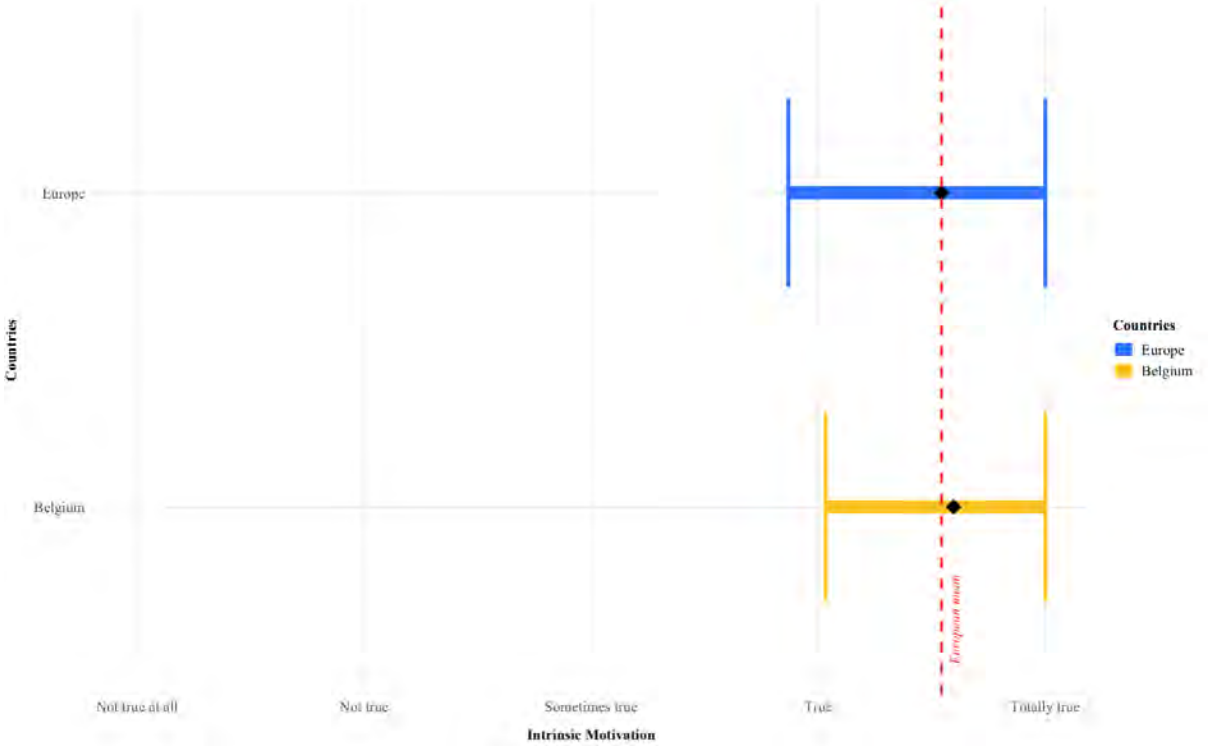


Figure 12. Distribution of the Intrinsic Motivation in Europe and in Belgium (Mean±SD).

Table 25. Comparative Analysis of the Intrinsic Motivation in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	565	2,441	0.5	0.02 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

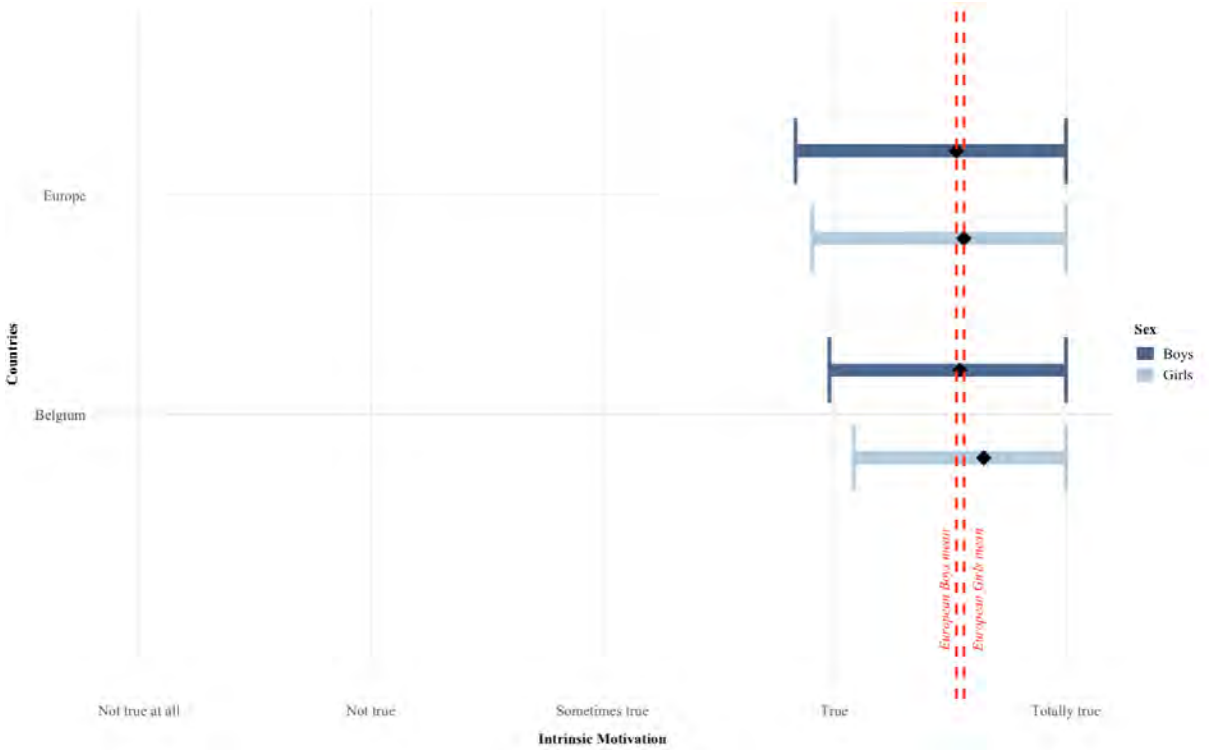


Figure 13. Distribution of the Intrinsic Motivation according to the Sex in Europe and in Belgium (Mean±SD).

Table 26. Comparative Analysis of the Intrinsic Motivation in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	Boys	271	1,243	0.28	0.03 [a]	0.12 [1]
	Girls	294	1,198	0.05 *	0.05 [a]	0.3 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 27. Comparative Analysis of the Intrinsic Motivation in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	Boys *vs* Girls	271	294	0.002 **	0.12 [a]	0.8 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

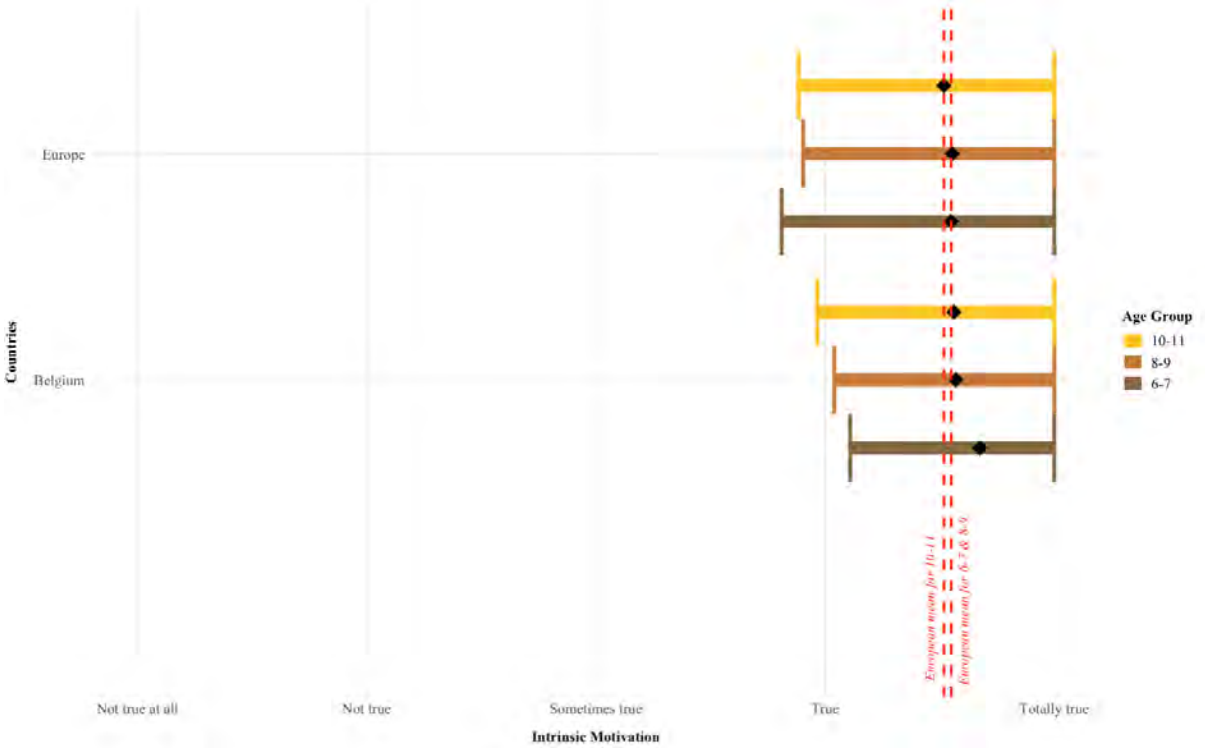


Figure 14. Distribution of the Intrinsic Motivation according to the Age Group in Europe and in Belgium (Mean±SD).

Table 28. Comparative Analysis of the Intrinsic Motivation in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	150	758	0.13	0.04 [a]	0.17 [1]
	8-9 yo	229	970	0.5	0.02 [a]	0.08 [1]
	10-11 yo	186	713	0.42	0.03 [a]	0.09 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 29. Comparative Analysis of the Intrinsic Motivation in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	150	229		0.007 **	0.13 [a]	0.69 [2]
	8-9 yo *vs* 10-11 yo		229	186	0.81	0.01 [a]	0.06 [1]
	6-7 yo *vs* 10-11 yo	150		186	0.02	0.12 [a]	0.57 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

b. Identified motivation

Overview

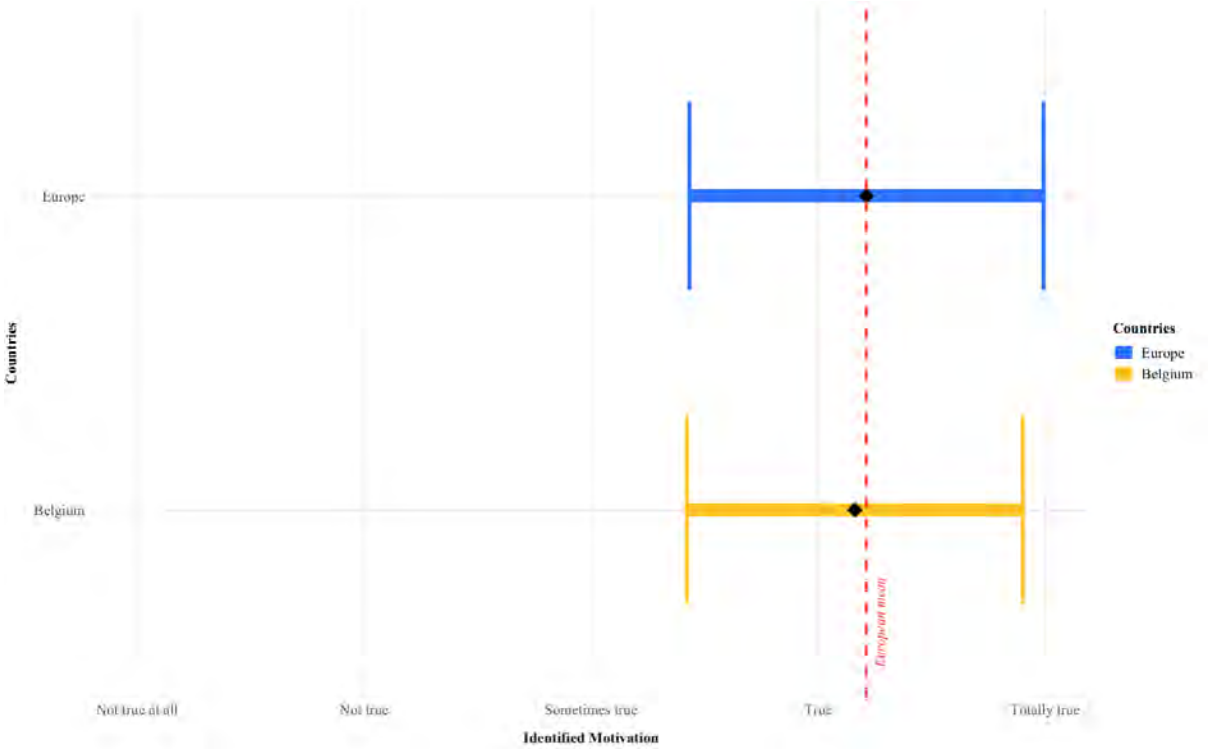


Figure 15. Distribution of the Identified Motivation in Europe and in Belgium (Mean±SD).

Table 30. Comparative Analysis of the Identified Motivation in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* **Europe**	565	2,441	0.03 *	0.08 [a]	0.38 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

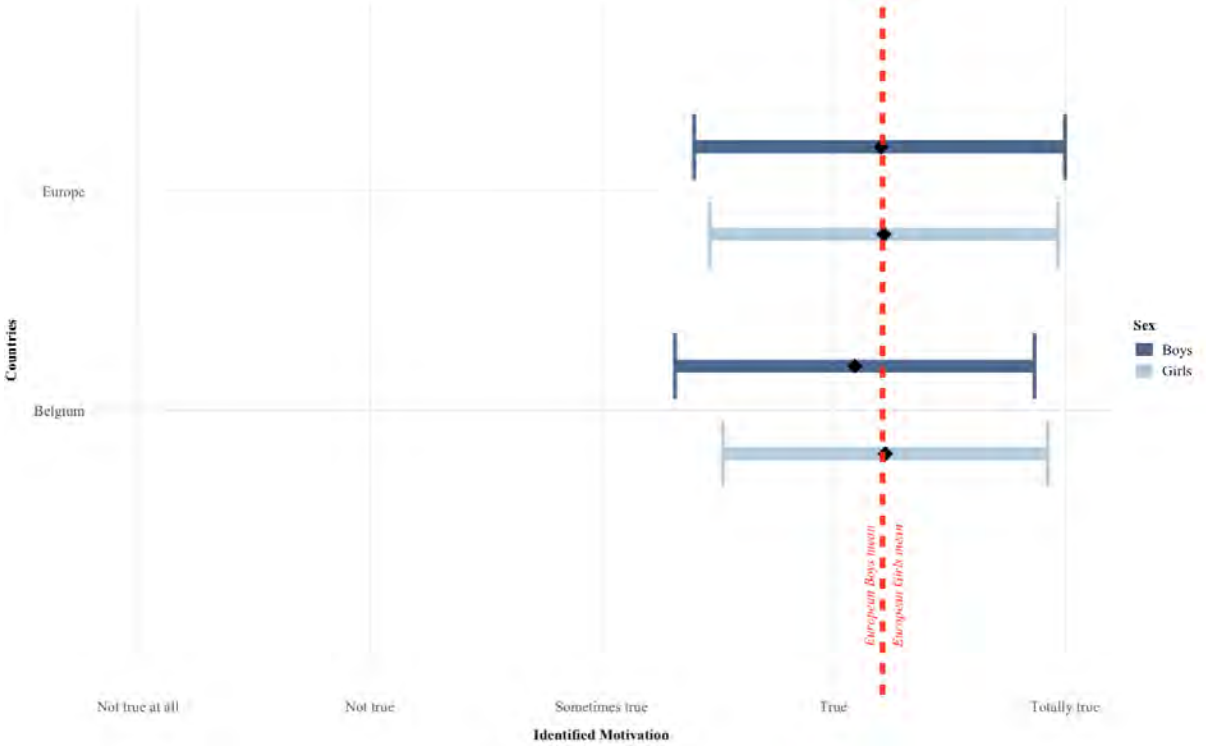


Figure 16. Distribution of the Identified Motivation according to the Sex in Europe and in Belgium (Mean±SD).

Table 31. Comparative Analysis of the Identified Motivation in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	271	1,243	0.006 **	0.07 [a]	0.55 [2]
	Girls	294	1,198	0.77	0.007 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 32. Comparative Analysis of the Identified Motivation in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	271	294	0.05	0.08 [a]	0.48 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (*d<0.2*); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

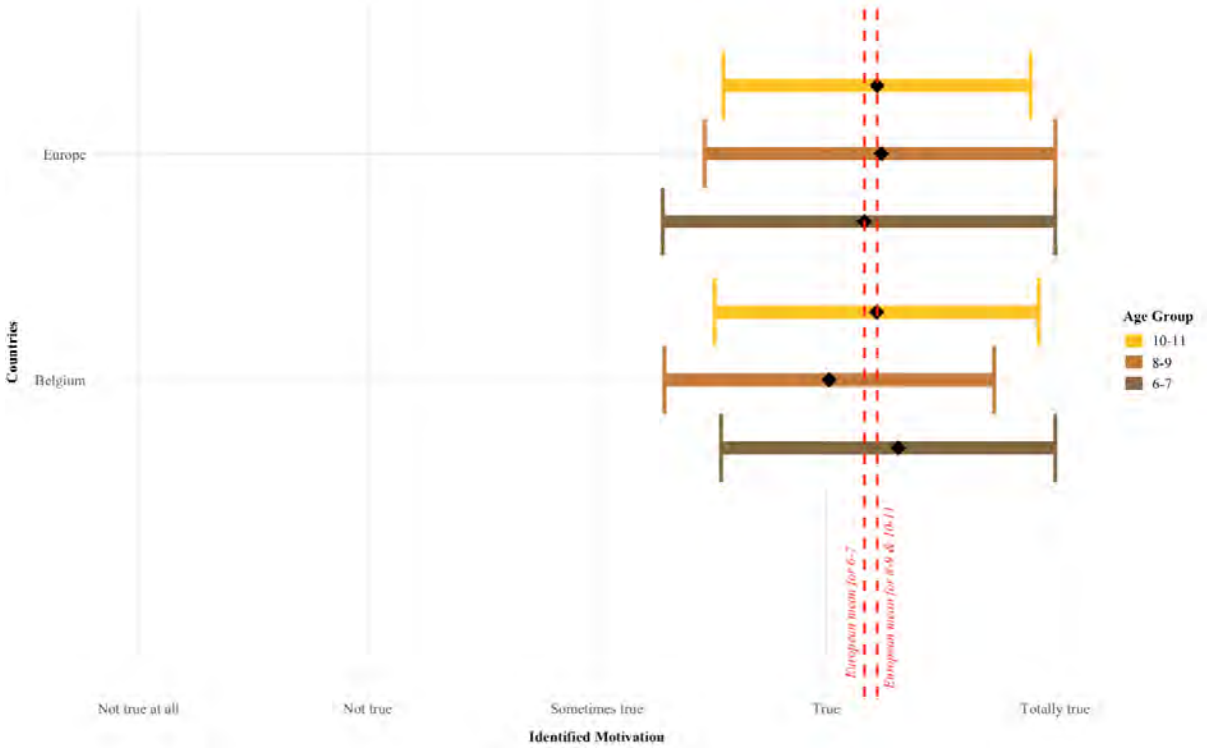


Figure 17. Distribution of the Identified Motivation according to the Age Group in Europe and in Belgium (Mean±SD).

Table 33. Comparative Analysis of the Identified Motivation in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	149	759	0.07	0.06 [a]	0.26 [1]
	8-9 yo	230	969	2.8^{e-07} ***	0.15 [a]	0.98 [4]
	10-11 yo	186	713	0.08	0.008 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 34. Comparative Analysis of the Identified Motivation in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	149	230		5.32^{e-06} ***	0.23 [b]	0.99 [4]
	8-9 yo *vs* 10-11 yo		230	186	0.001 **	0.16 [a]	0.9 [4]
	6-7 yo *vs* 10-11 yo	149		186	0.05 *	0.11 [a]	0.49 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

c. Confidence in deep water

Overview

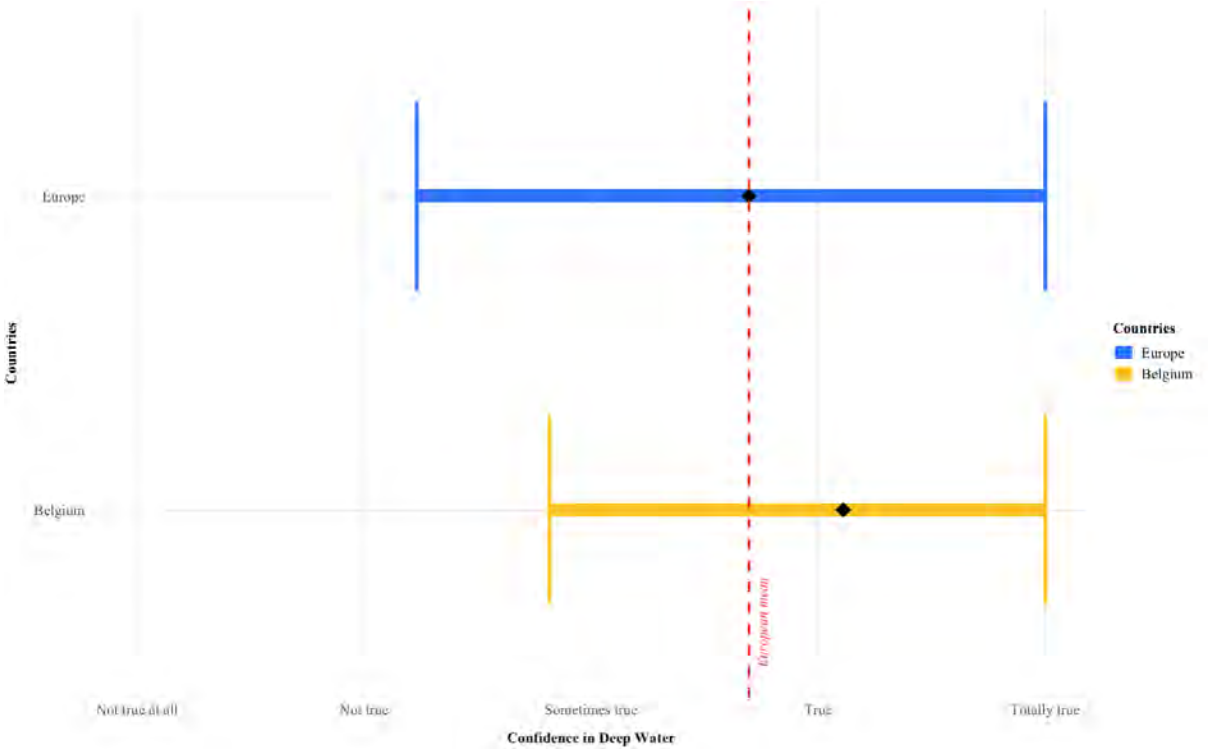


Figure 18. Distribution of the Confidence in Deep Water in Europe and in Belgium (Mean±SD).

Table 35. Comparative Analysis of the Confidence in Deep Water in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	564	2,418	1.24^{e-10} ***	0.22 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

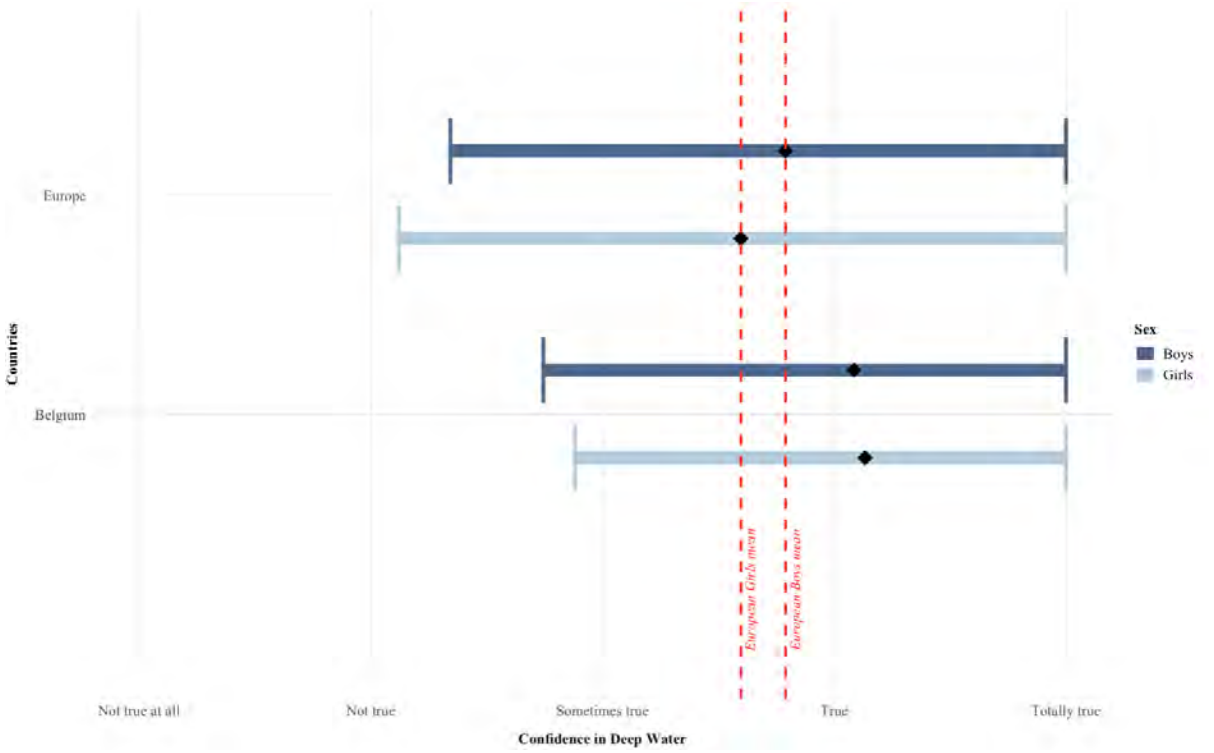


Figure 19. Distribution of the Confidence in Deep Water according to the Sex in Europe and in Belgium (Mean±SD).

Table 36. Comparative Analysis of the Confidence in Deep Water in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	271	1,232	9.4^{e-04} ***	0.08 [a]	0.66 [2]
	Girls	293	1,186	5.14^{e-09} ***	0.14 [a]	0.99 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 37. Comparative Analysis of the Confidence in Deep Water in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	271	293	0.8	0.01 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

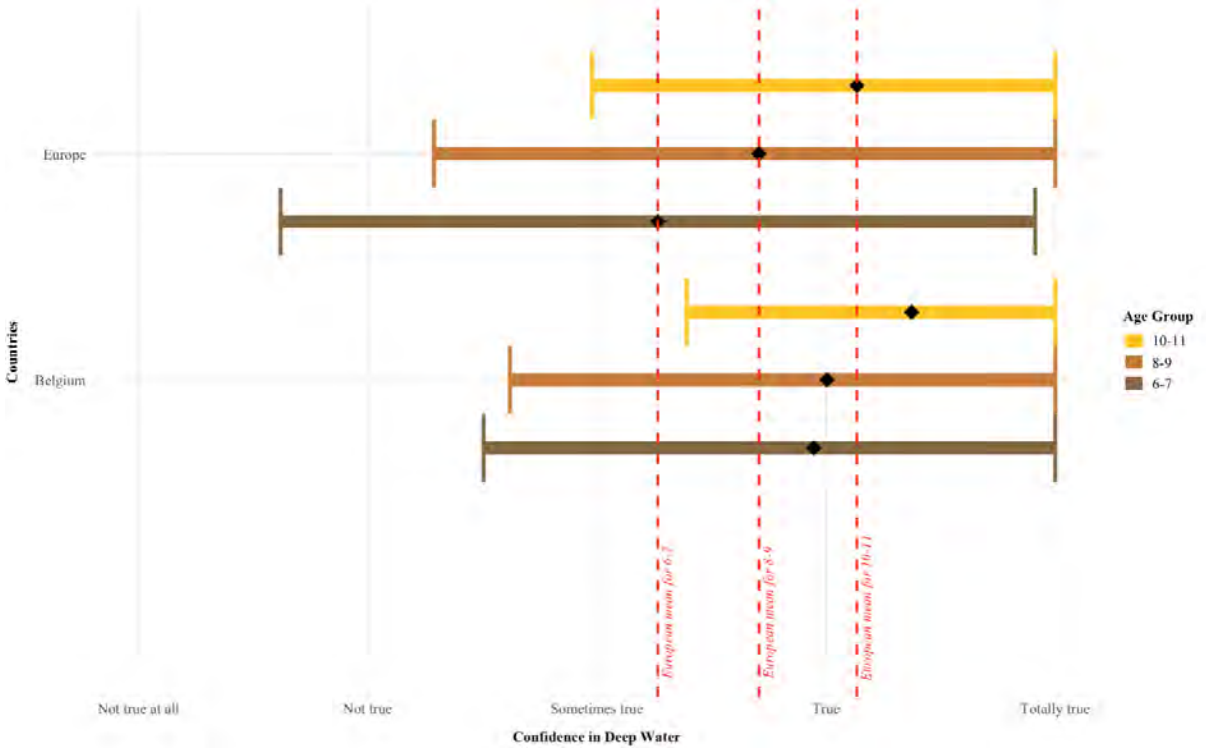


Figure 20. Distribution of the Confidence in Deep Water according to the Age Group in Europe and in Belgium (Mean±SD).

Table 38. Comparative Analysis of the Confidence in Deep Water in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	150	749	2.73^{e-06} ***	0.15 [a]	0.92 [4]
	8-9 yo	229	963	7.61^{e-04} ***	0.09 [a]	0.71 [2]
	10-11 yo	185	706	0.01 *	0.08 [a]	0.46 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 39. Comparative Analysis of the Confidence in Deep Water in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	150	229		0.83	0.01 [a]	0.05 [1]
	8-9 yo *vs* 10-11 yo		229	185	0.04 *	0.09 [a]	0.44 [1]
	6-7 yo *vs* 10-11 yo	150		185	0.04 *	0.1 [a]	0.43 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

d. Perceived skills

1. Perceived entry in the water

Overview

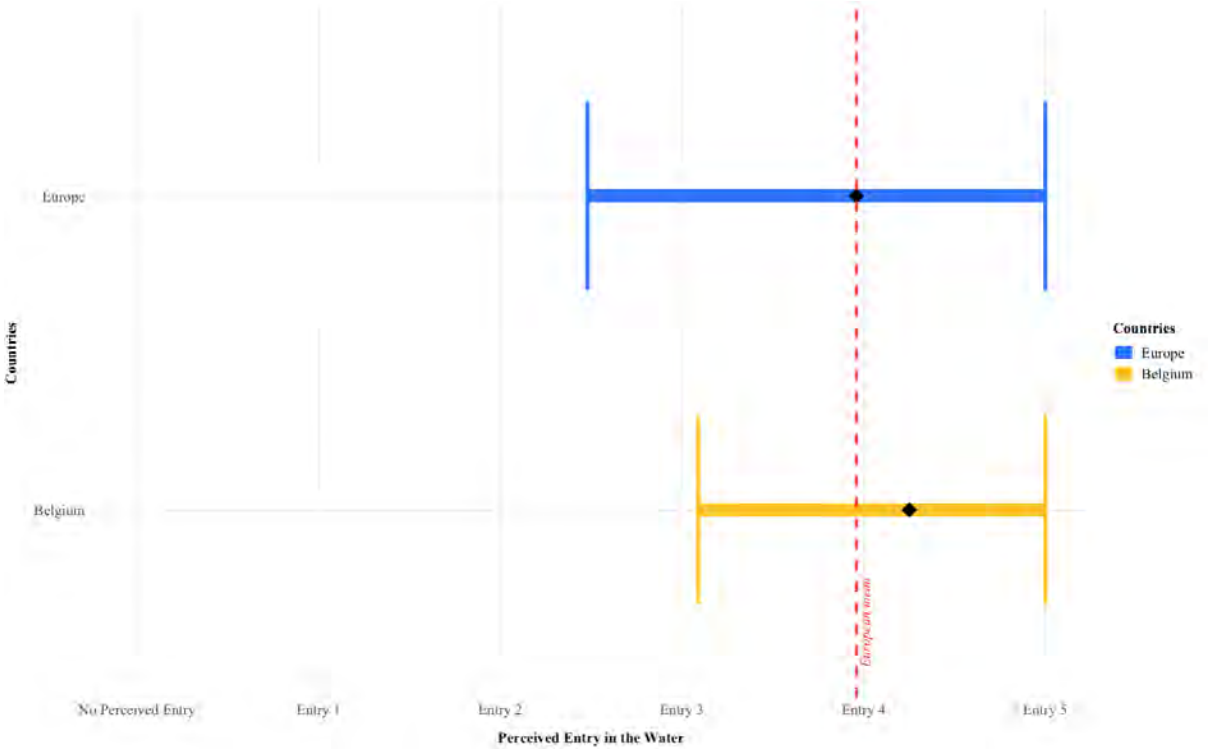


Figure 21. Distribution of the Perceived Entry in the Water in Europe and in Belgium (Mean±SD).

Table 40. Comparative Analysis of the Perceived Entry in the Water in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* **Europe**	545	2,250	0.001 **	0.11 [a]	0.64 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

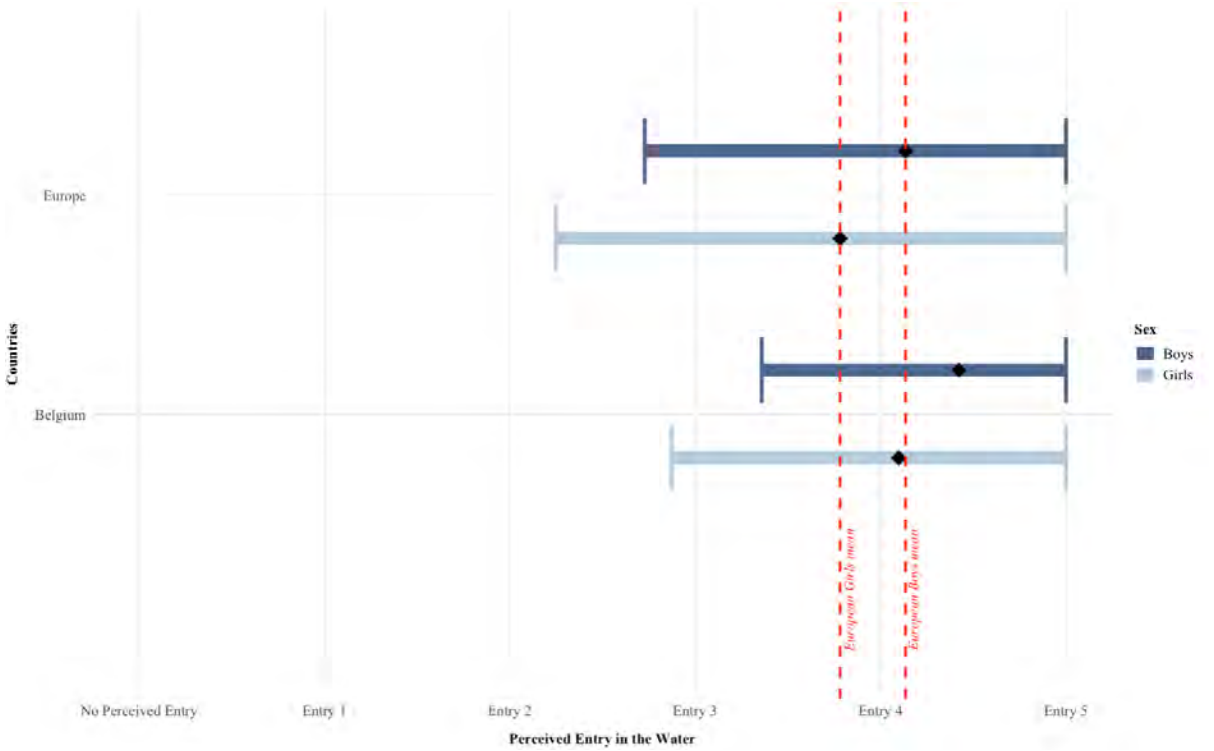


Figure 22. Distribution of the Perceived Entry in the Water according to the Sex in Europe and in Belgium (Mean±SD).

Table 41. Comparative Analysis of the Perceived Entry in the Water in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	258	1,139	0.01 *	0.06 [a]	0.38 [1]
	Girls	287	1,111	0.01 *	0.06 [a]	0.47 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 42. Comparative Analysis of the Perceived Entry in the Water in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	258	287	1.5^{e-04} ***	0.14 [a]	0.91 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

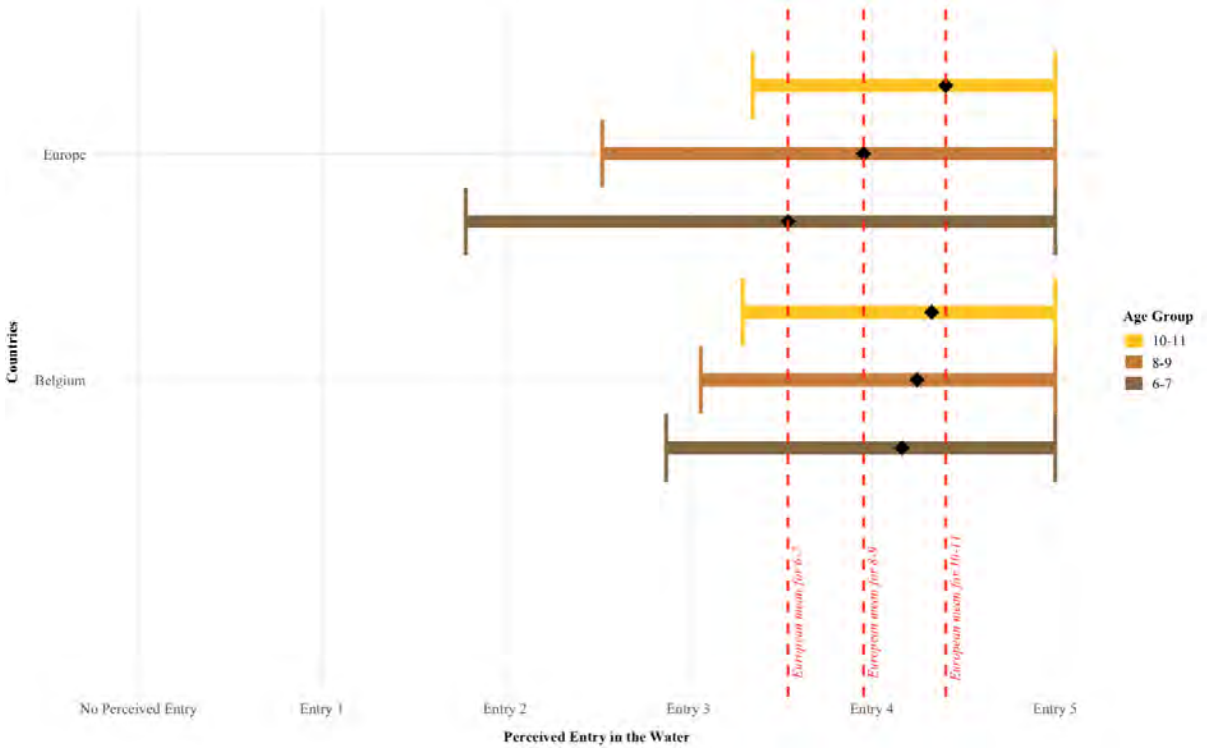


Figure 23. Distribution of the Perceived Entry in the Water according to the Age Group in Europe and in Belgium (Mean±SD).

Table 43. Comparative Analysis of the Perceived Entry in the Water in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	146	691	2.6^{e-04} ***	0.12 [a]	0.74 [2]
	8-9 yo	215	893	0.01 *	0.07 [a]	0.45 [1]
	10-11 yo	184	666	0.15	0.04 [a]	0.17 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 44. Comparative Analysis of the Perceived Entry in the Water in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	146	215		0.72	0.02 [a]	0.06 [1]
	8-9 yo *vs* 10-11 yo		215	184	0.69	0.02 [a]	0.06 [1]
	6-7 yo *vs* 10-11 yo	146		184	0.48	0.03 [a]	0.09 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

2. Perceived exit from the water

Overview

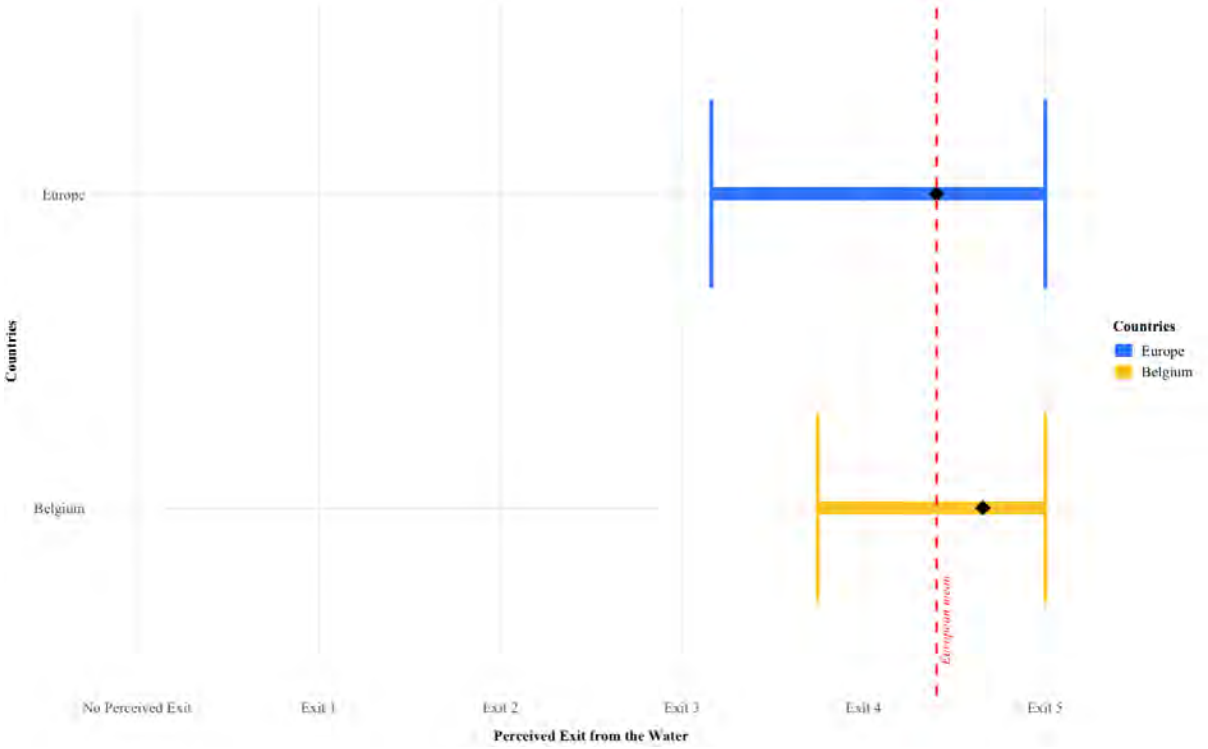


Figure 24. Distribution of the Perceived Exit from the Water in Europe and in Belgium (Mean±SD).

Table 45. Comparative Analysis of the Perceived Exit from the Water in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	550	2,275	3.1^{e-05} ***	0.12 [a]	0.69 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

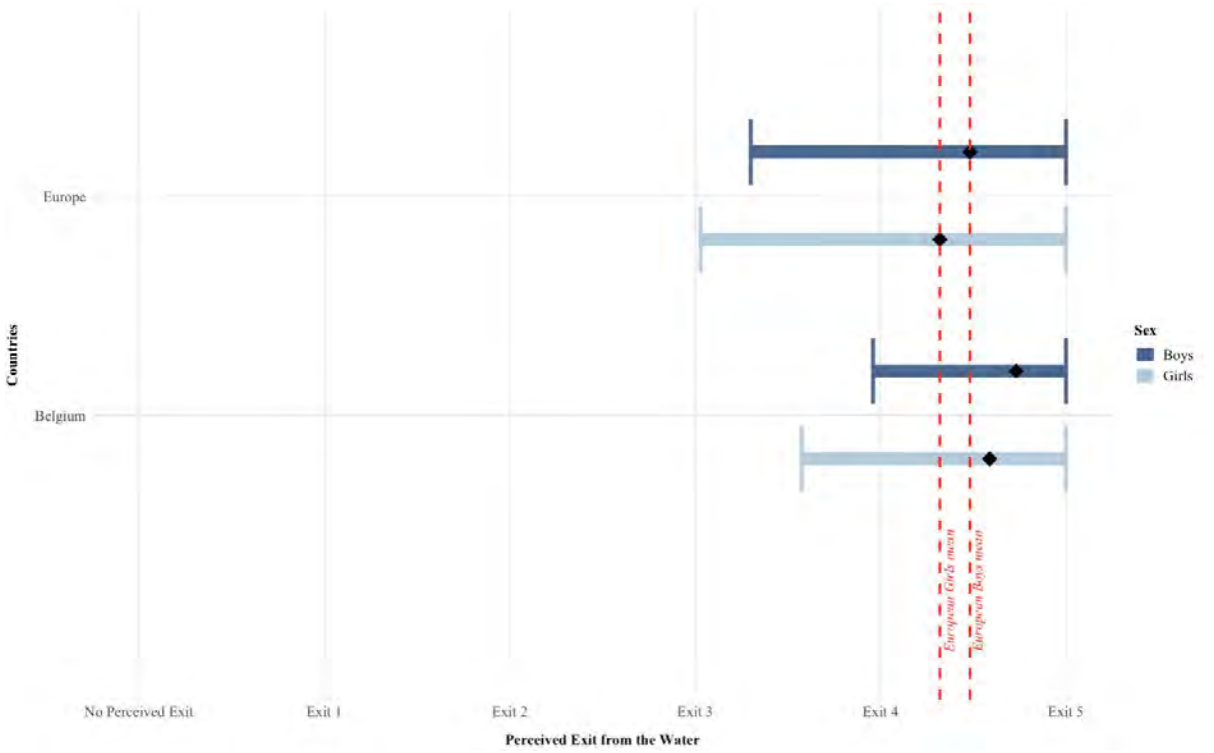


Figure 25. Distribution of the Perceived Exit from the Water according to the Sex in Europe and in Belgium (Mean±SD).

Table 46. Comparative Analysis of the Perceived Exit from the Water in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	261	1,145	0.008 **	0.05 [a]	0.3 [1]
	Girls	289	1,130	9.1^{e-04} ***	0.07 [a]	0.54 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 47. Comparative Analysis of the Perceived Exit from the Water in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	261	289	0.16	0.04 [a]	0.15 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

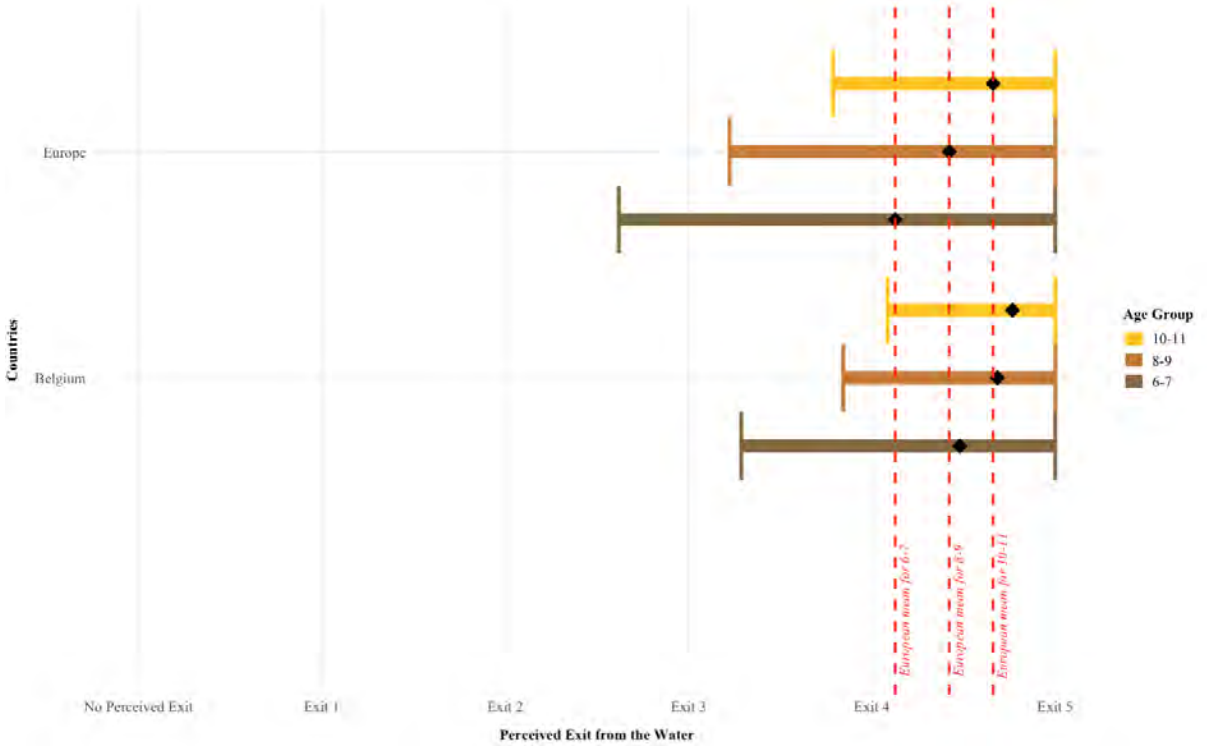


Figure 26. Distribution of the Perceived Exit from the Water ccording to the Age Group in Europe and in Belgium (Mean±SD).

Table 48. Comparative Analysis of the Perceived Exit from the Water in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	148	702	0.007 **	0.07 [a]	0.38 [1]
	8-9 yo	218	901	0.005 **	0.06 [a]	0.38 [1]
	10-11 yo	184	672	0.27	0.02 [a]	0.09 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 49. Comparative Analysis of the Perceived Exit from the Water in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	148	218		0.23	0.04 [a]	0.12 [1]
	8-9 yo *vs* 10-11 yo		218	184	0.4	0.03 [a]	0.08 [1]
	6-7 yo *vs* 10-11 yo	148		184	0.06	0.07 [a]	0.23 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

3. Perceived rotations

Overview

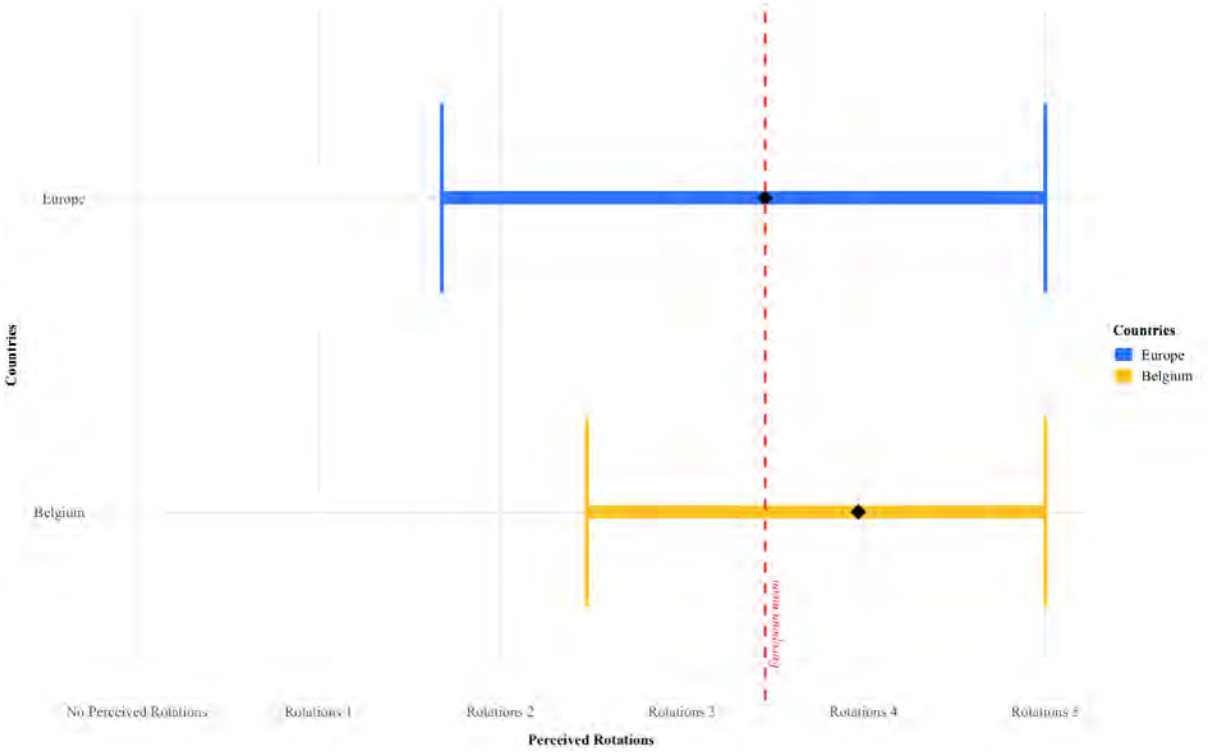


Figure 27. Distribution of the Perceived Rotations in Europe and in Belgium (Mean±SD).

Table 50. Comparative Analysis of the Perceived Rotations in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	237	2,081	2.17^{e-09} ***	0.22 [a]	0.99 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

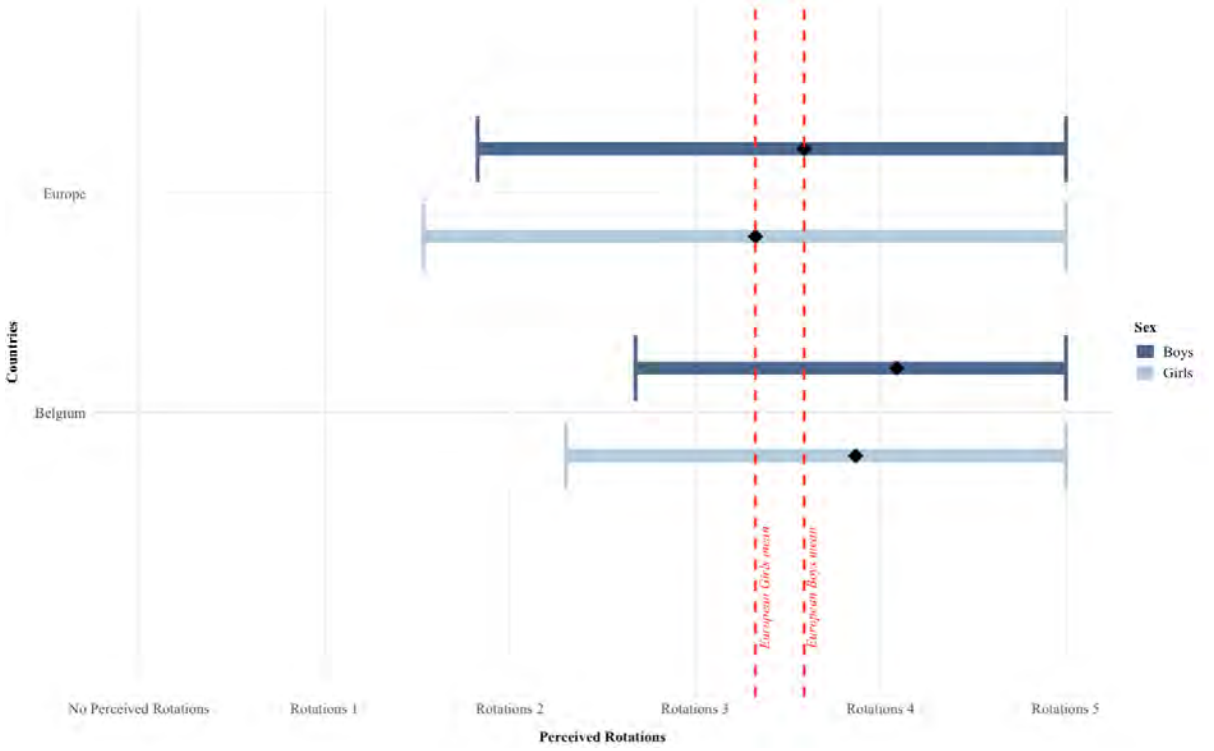


Figure 28. Distribution of the Perceived Rotations according to the Sex in Europe and in Belgium (Mean±SD).

Table 51. Comparative Analysis of the Perceived Rotations in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	254	1,052	7.31^{e-05} ***	0.1 [a]	0.83 [3]
	Girls	283	1,029	3.68^{e-06} ***	0.12 [a]	0.95 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 52. Comparative Analysis of the Perceived Rotations in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	254	283	0.1	0.06 [a]	0.32 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

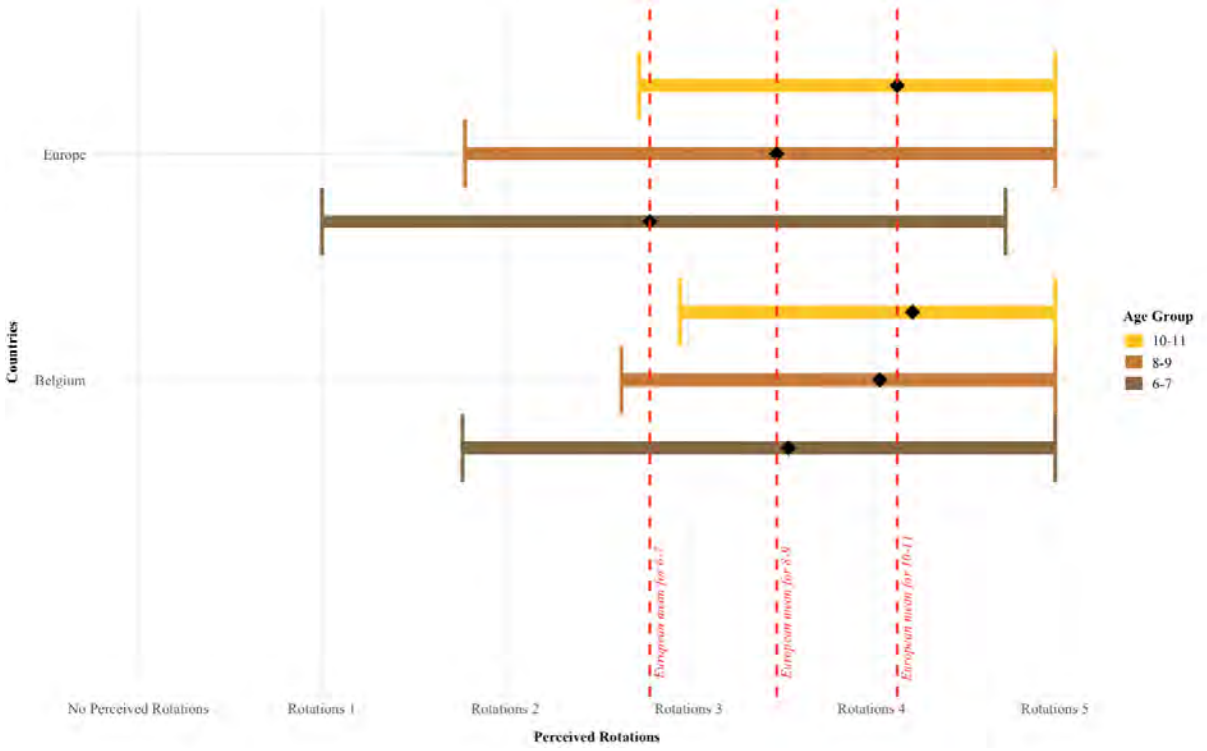


Figure 29. Distribution of the Perceived Rotations according to the Age Group in Europe and in Belgium (Mean±SD).

Table 53. Comparative Analysis of the Perceived Rotations in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	143	649	1.17^{e-05} ***	0.15 [a]	0.91 [4]
	8-9 yo	213	822	5.94^{e-06} ***	0.13 [a]	0.93 [4]
	10-11 yo	181	610	0.9	0.003 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 54. Comparative Analysis of the Perceived Rotations in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	143	213		0.02 *	0.11 [a]	0.55 [2]
	8-9 yo *vs* 10-11 yo		213	181	0.25	0.05 [a]	0.17 [1]
	6-7 yo *vs* 10-11 yo	143		181	0.001 **	0.16 [a]	0.83 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

4. Perceived breathing

Overview

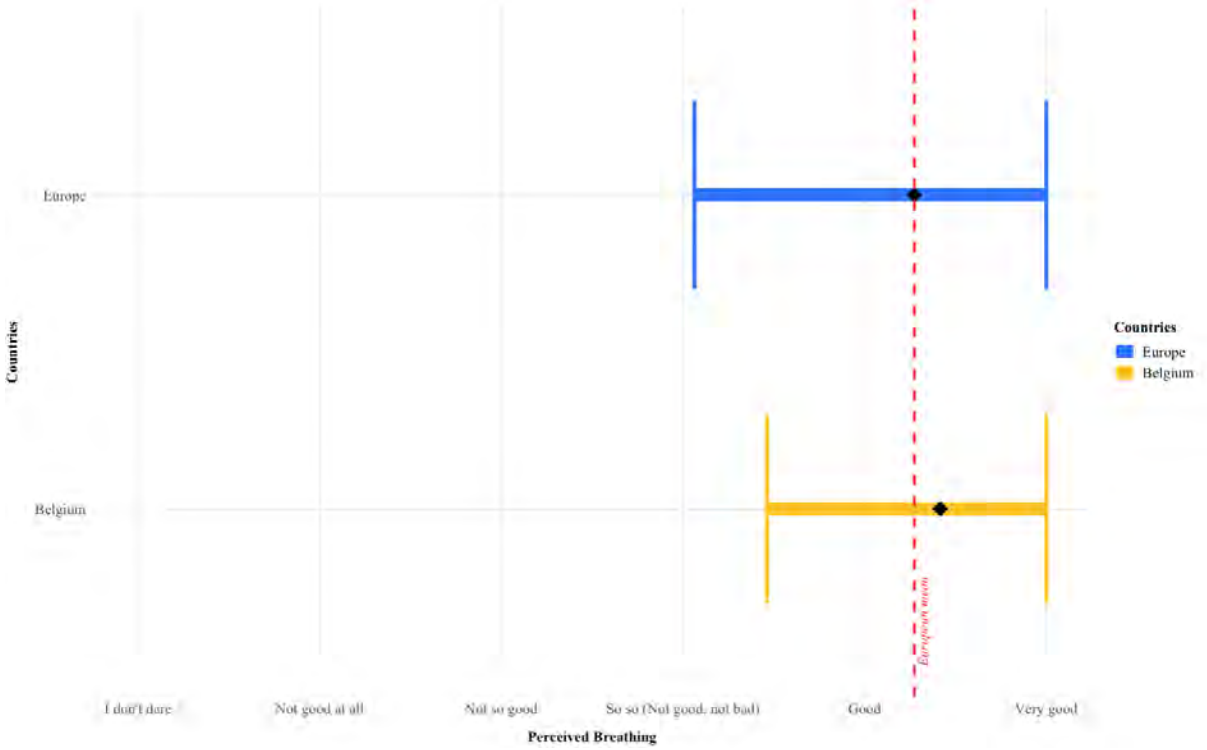


Figure 30. Distribution of the Perceived Breathing in Europe and in Belgium (Mean±SD).

Table 55. Comparative Analysis of the Perceived Breathing in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	562	2,276	0.42	0.03 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

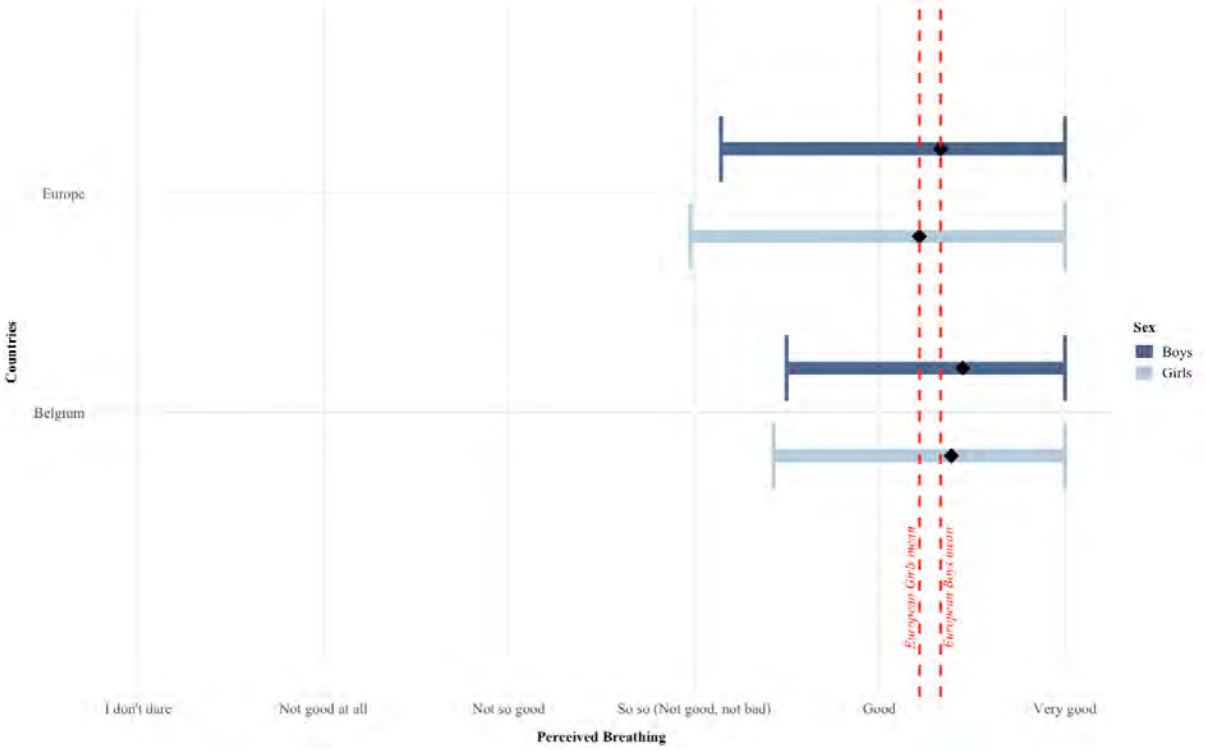


Figure 31. Distribution of the Perceived Breathing according to the Sex in Europe and in Belgium (Mean±SD).

Table 56. Comparative Analysis of the Perceived Breathing in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	270	1,163	0.96	0.001 [a]	0.05 [1]
	Girls	292	1,113	0.26	0.03 [a]	0.13 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 57. Comparative Analysis of the Perceived Breathing in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	270	292	0.36	0.03 [a]	0.12 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

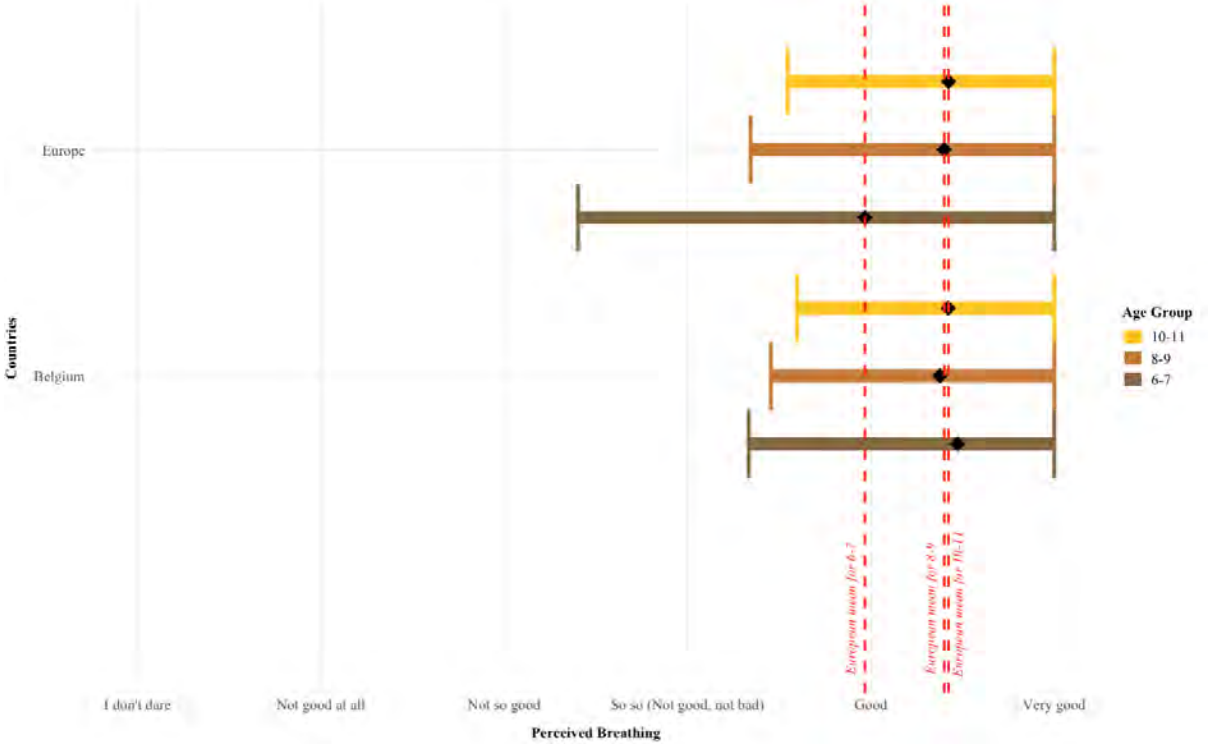


Figure 32. Distribution of the Perceived Breathing according to the Age Group in Europe and in Belgium (Mean±SD).

Table 58. Comparative Analysis of the Perceived Breathing in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	148	701	3.2^{e-04} ***	0.11 [a]	0.67 [2]
	8-9 yo	229	911	0/07	0.04 [a]	0.34 [1]
	10-11 yo	185	664	0.67	0.01 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 59. Comparative Analysis of the Perceived Breathing in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	148	229		0.007 **	0.12 [a]	0.61 [2]
	8-9 yo *vs* 10-11 yo		229	185	0.84	0.009 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	148		185	0.01 *	0.11 [a]	0.6 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

5. Perceived treading water

Overview

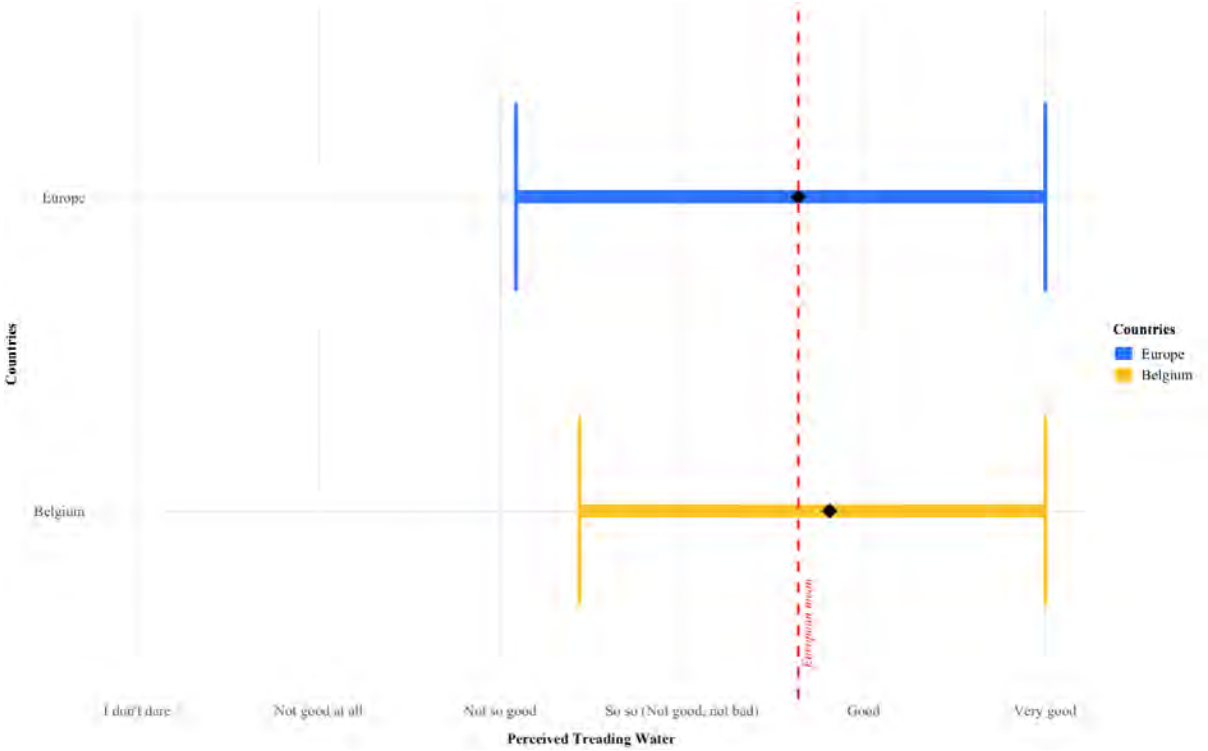


Figure 33. Distribution of the Perceived Treading Water in Europe and in Belgium (Mean±SD).

Table 60. Comparative Analysis of the Perceived Treading Water at School in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	558	2,286	0.16	0.05 [a]	0.18 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

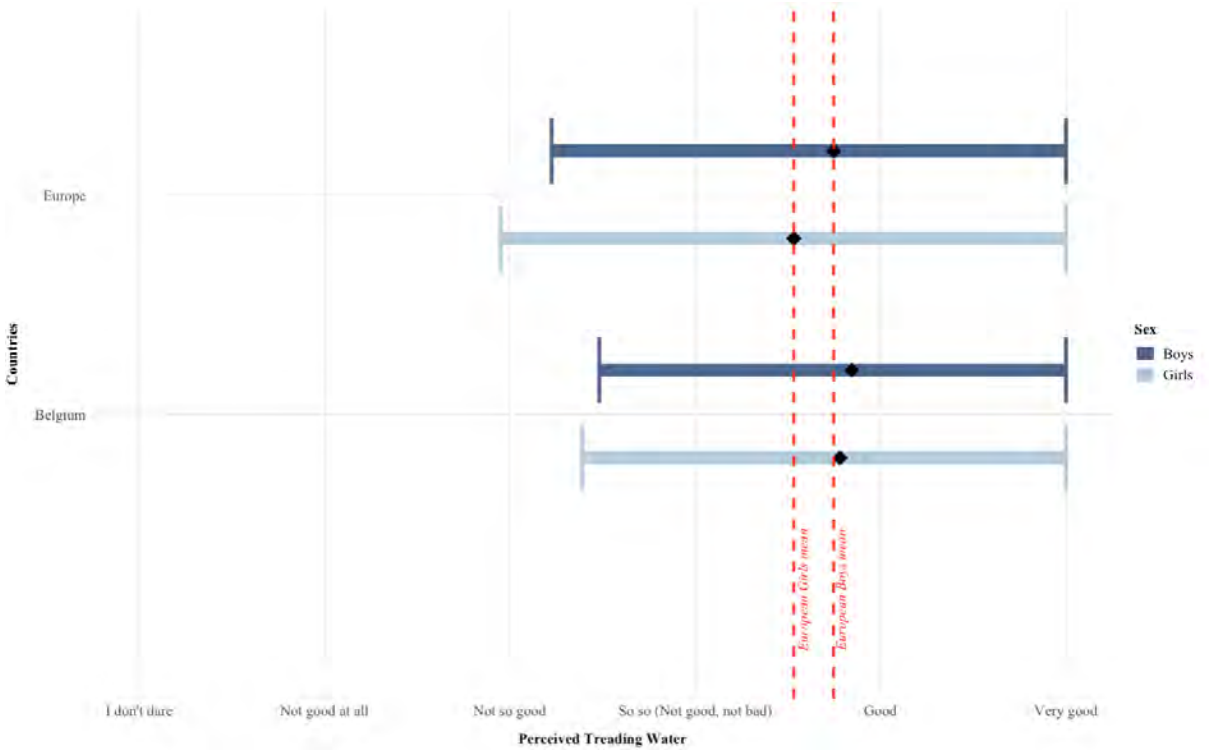


Figure 34. Distribution of the Perceived Treading Water according to the Sex in Europe and in Belgium (Mean±SD).

Table 61. Comparative Analysis of the Perceived Treading Water in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	271	1,161	0.83	0.005 [a]	0.05 [1]
	Girls	287	1,125	0.06	0.05 [a]	0.3 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 62. Comparative Analysis of the Perceived Treading Water in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	271	287	0.52	0.02 [a]	0.09 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

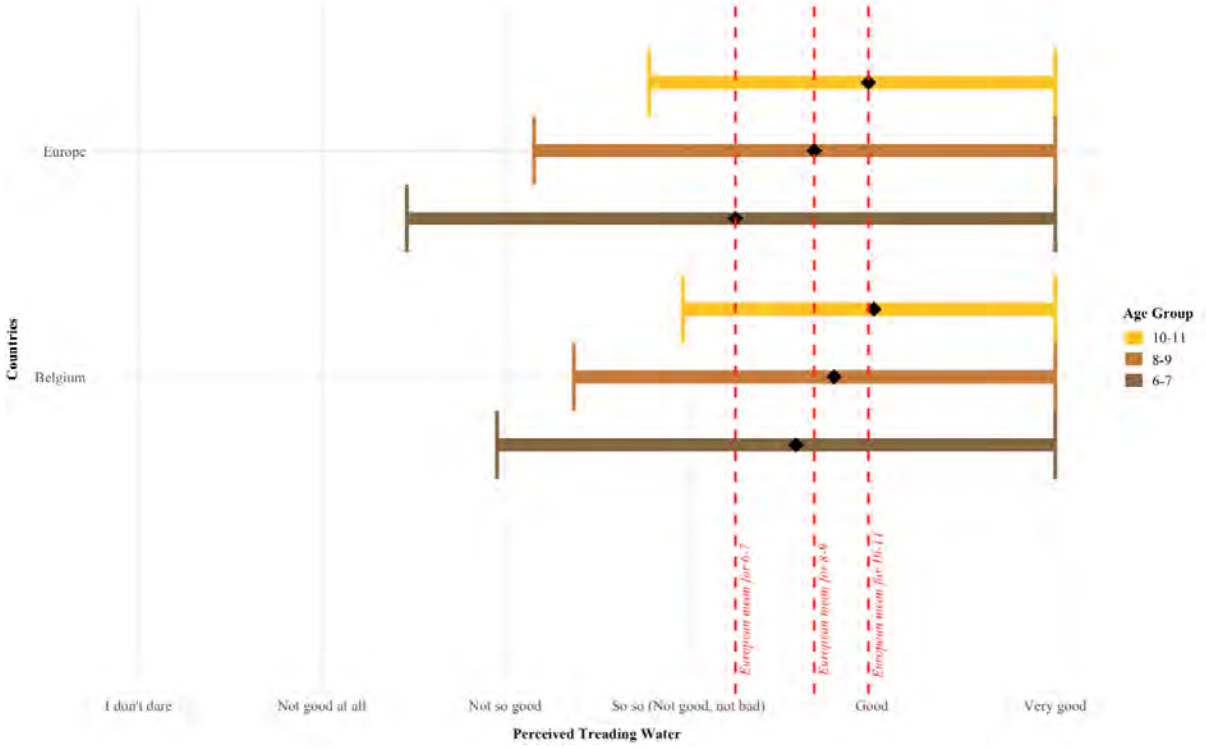


Figure 35. Distribution of the Perceived Treading Water according to the Age Group in Europe and in Belgium (Mean±SD).

Table 63. Comparative Analysis of the Perceived Treading Water in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	145	702	0.09	0.06 [a]	0.23 [1]
	8-9 yo	228	909	0.56	0.02 [a]	0.07 [1]
	10-11 yo	185	675	0.64	0.01 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 64. Comparative Analysis of the Perceived Treading Water in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	145	228		0.4	0.04 [a]	0.12 [1]
	8-9 yo *vs* 10-11 yo		228	185	0.56	0.03 [a]	0.09 [1]
	6-7 yo *vs* 10-11 yo	145		185	0.18	0.07 [a]	0.24 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

6. Perceived propulsion on the back

Overview

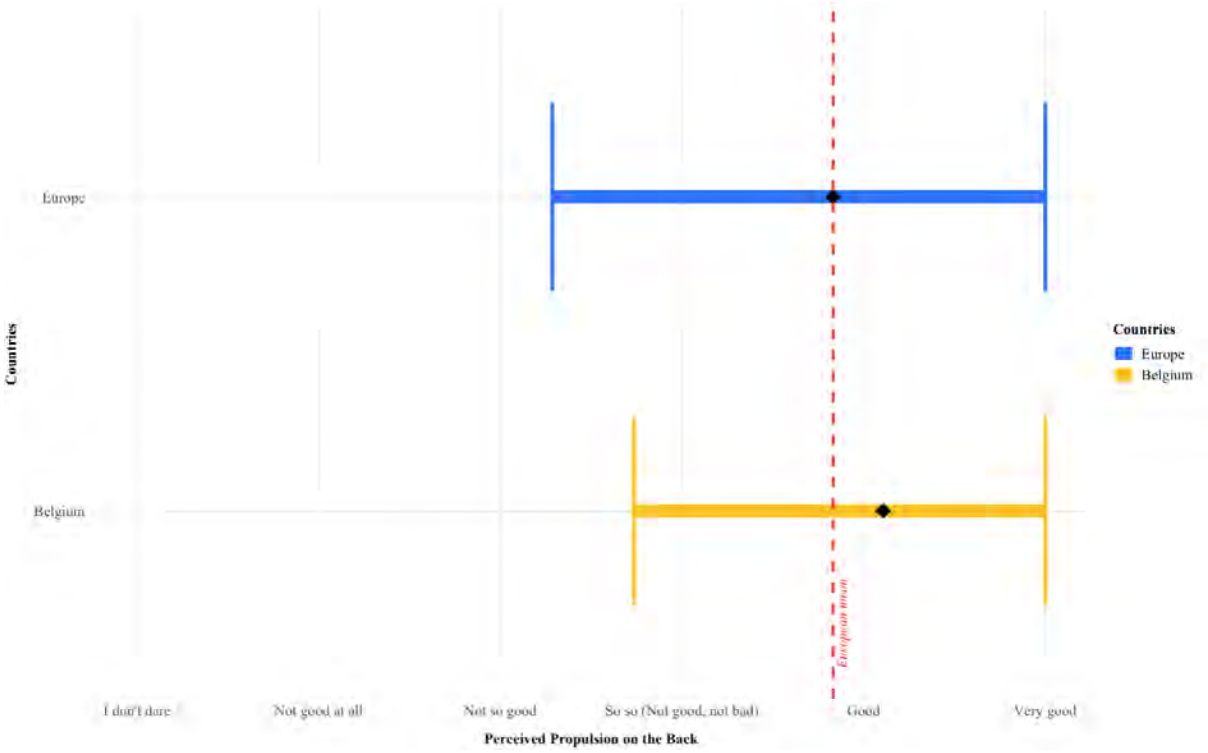


Figure 36. Distribution of the Perceived Propulsion on the Back in Europe and in Belgium (Mean±SD).

Table 65. Comparative Analysis of the Perceived Propulsion on the Back in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	562	2,240	2.8^{e-04} ***	0.13 [a]	0.76 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

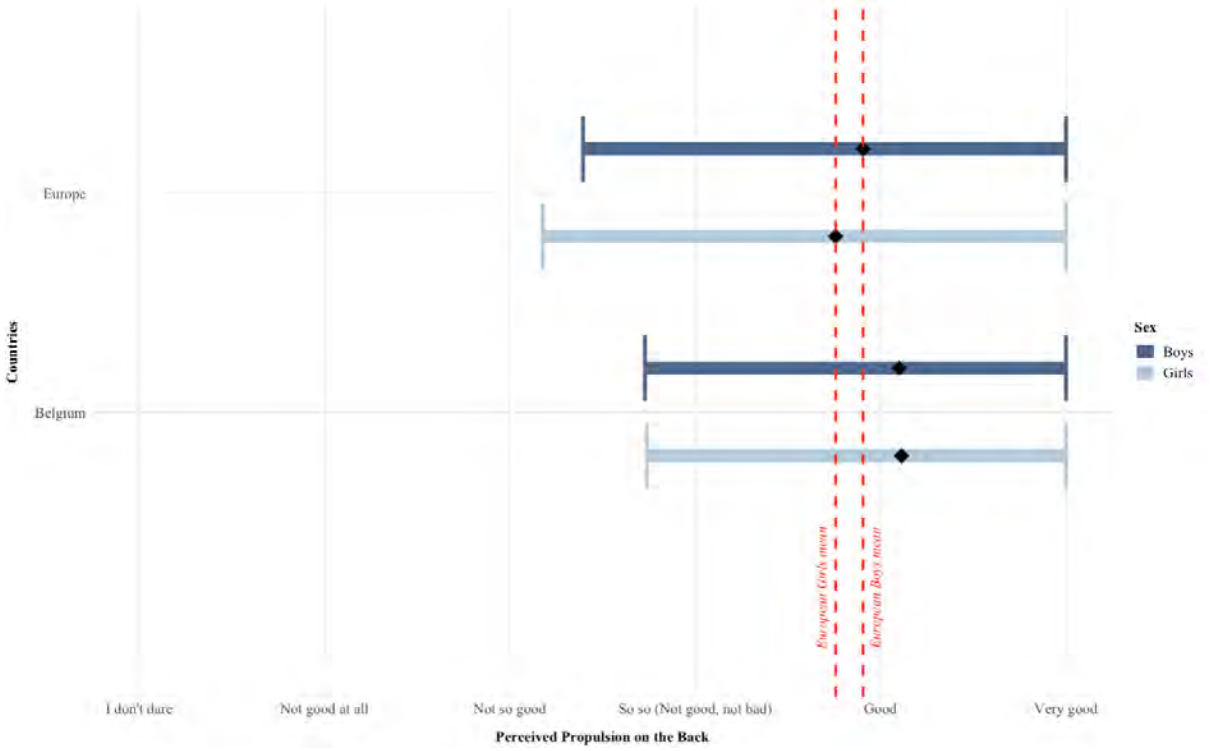


Figure 37. Distribution of the Perceived Propulsion on the Back according to the Sex in Europe and in Belgium (Mean±SD).

Table 66. Comparative Analysis of the Perceived Propulsion on the Back in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	269	1,140	0.09	0.04 [a]	0.22 [1]
	Girls	293	1,100	4.7^{e-04} ***	0.09 [a]	0.75 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 67. Comparative Analysis of the Perceived Propulsion on the Back in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	269	293	0.91	0.004 [a]	0.005 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

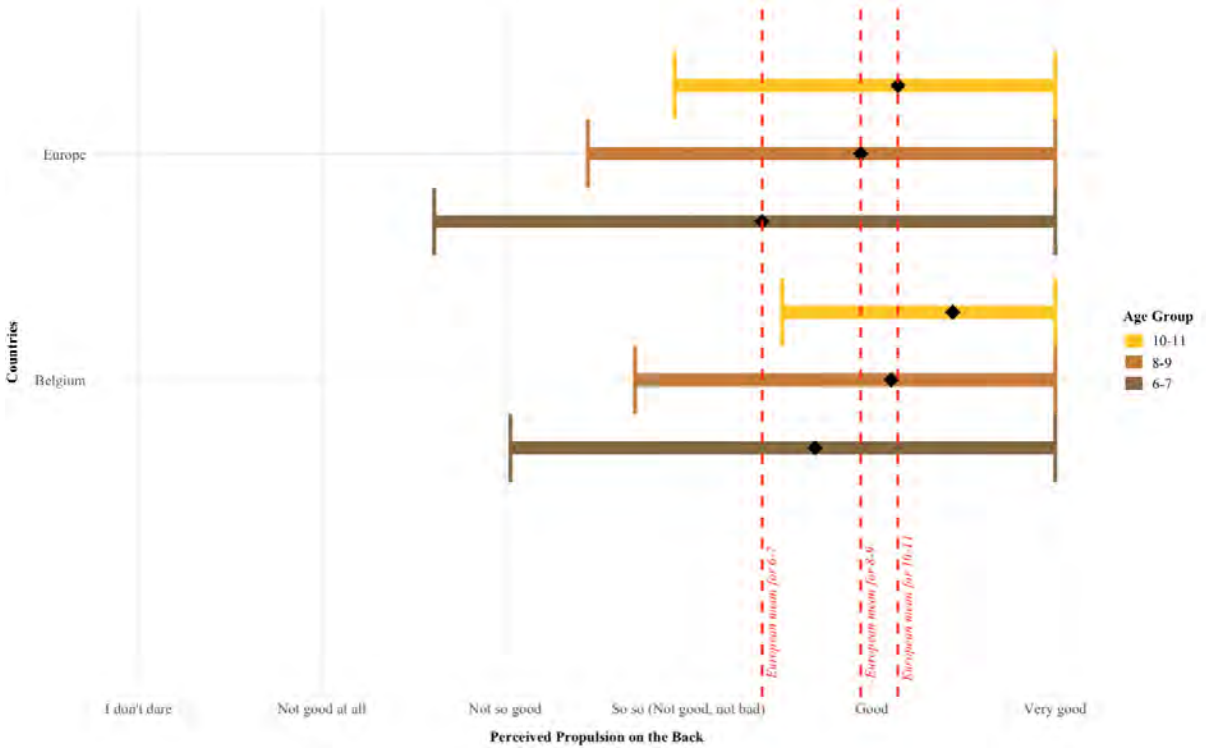


Figure 38. Distribution of the Perceived Propulsion on the Back according to the Age Group in Europe and in Belgium (Mean±SD).

Table 68. Comparative Analysis of the Perceived Propulsion on the Back in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	148	692	0.1	0.05 [a]	0.22 [1]
	8-9 yo	228	886	0.13	0.04 [a]	0.2 [1]
	10-11 yo	186	662	0.004 **	0.08 [a]	0.6 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 69. Comparative Analysis of the Perceived Propulsion on the Back in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	148	228		0.02 *	0.11 [a]	0.55 [2]
	8-9 yo *vs* 10-11 yo		228	186	0.13	0.06 [a]	0.26 [1]
	6-7 yo *vs* 10-11 yo	148		186	1.8^{r-04} ***	0.18 [a]	0.92 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

7. Perceived propulsion on the belly

Overview

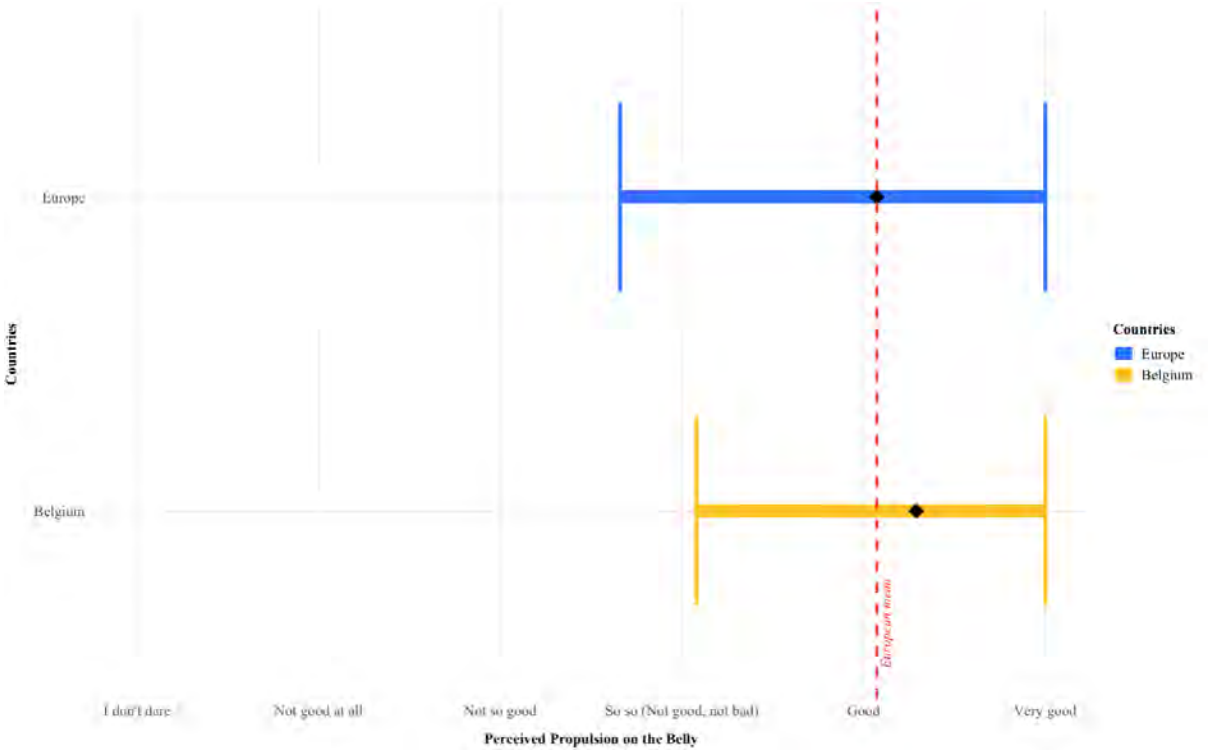


Figure 39. Distribution of the Perceived Propulsion on the Belly in Europe and in Belgium (Mean±SD).

Table 70. Comparative Analysis of the Perceived Propulsion on the Belly in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	556	2,241	0.006 **	0.09 [a]	0.49 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

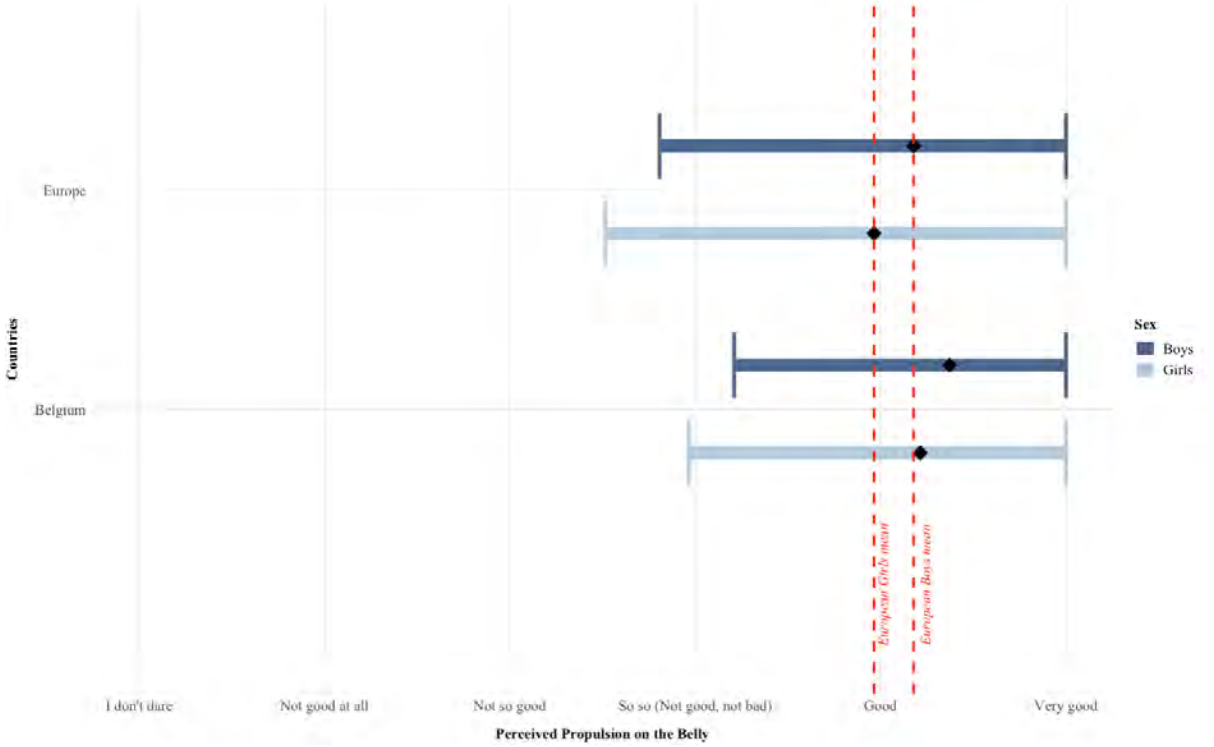


Figure 40. Distribution of the Perceived Propulsion on the Belly according to the Sex in Europe and in Belgium (Mean±SD).

Table 71. Comparative Analysis of the Perceived Propulsion on the Belly in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	266	1,136	0.1	0.04 [a]	0.19 [1]
	Girls	290	1,105	0.02 *	0.06 [a]	0.42 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 72. Comparative Analysis of the Perceived Propulsion on the Belly in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	266	290	0.06	0.07 [a]	0.37 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

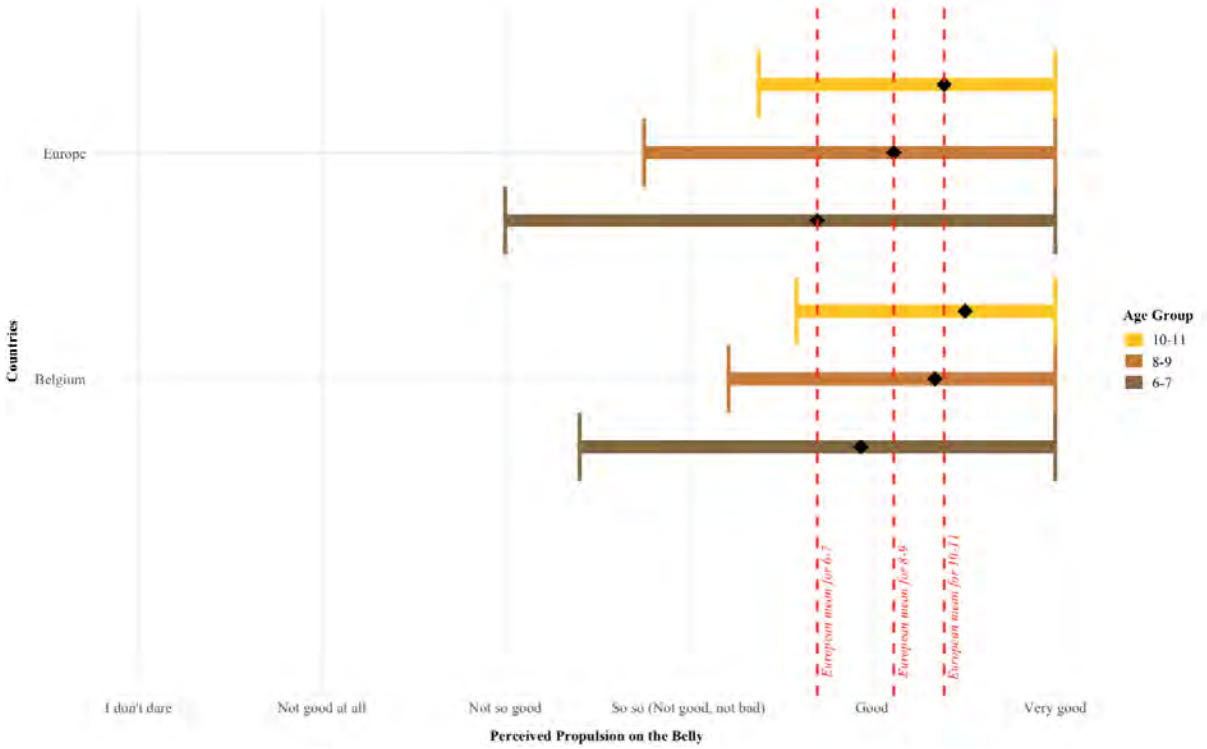


Figure 41. Distribution of the Perceived Propulsion on the Belly according to the Age Group in Europe and in Belgium (Mean±SD).

Table 73. Comparative Analysis of the Perceived Propulsion on the Belly in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	149	684	0.25	0.07	0.13
	8-9 yo	224	897	0.07	0.05	0.25
	10-11 yo	183	660	0.15	0.04	0.17

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 74. Comparative Analysis of the Perceived Propulsion on the Belly in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	149	224		0.02 *	0.1 [a]	0.51 [2]
	8-9 yo *vs* 10-11 yo		224	183	0.25	0.05 [a]	0.16 [1]
	6-7 yo *vs* 10-11 yo	149		183	0.001 **	0.15 [a]	0.8 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

8. Perceived submersion

Overview

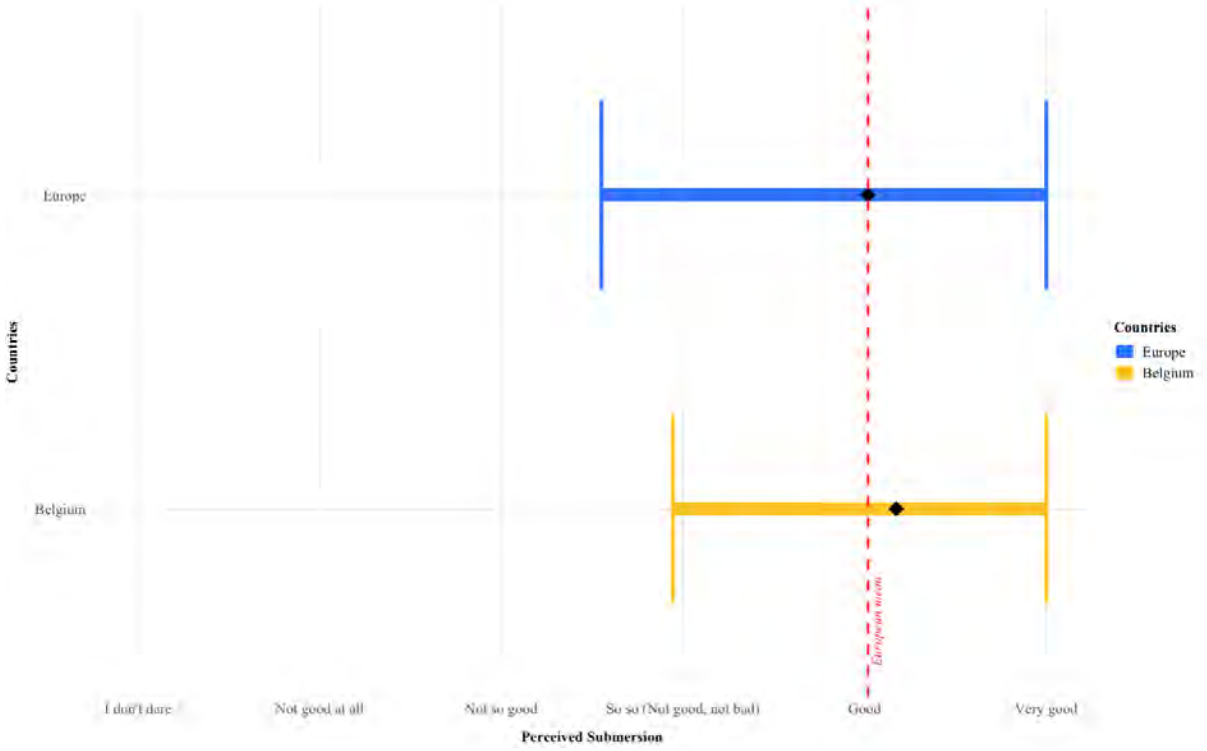


Figure 42. Distribution of the Perceived Submersion in Europe and in Belgium (Mean±SD).

Table 75. Comparative Analysis of the Perceived Submersion in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	558	2,243	0.51	0.02 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

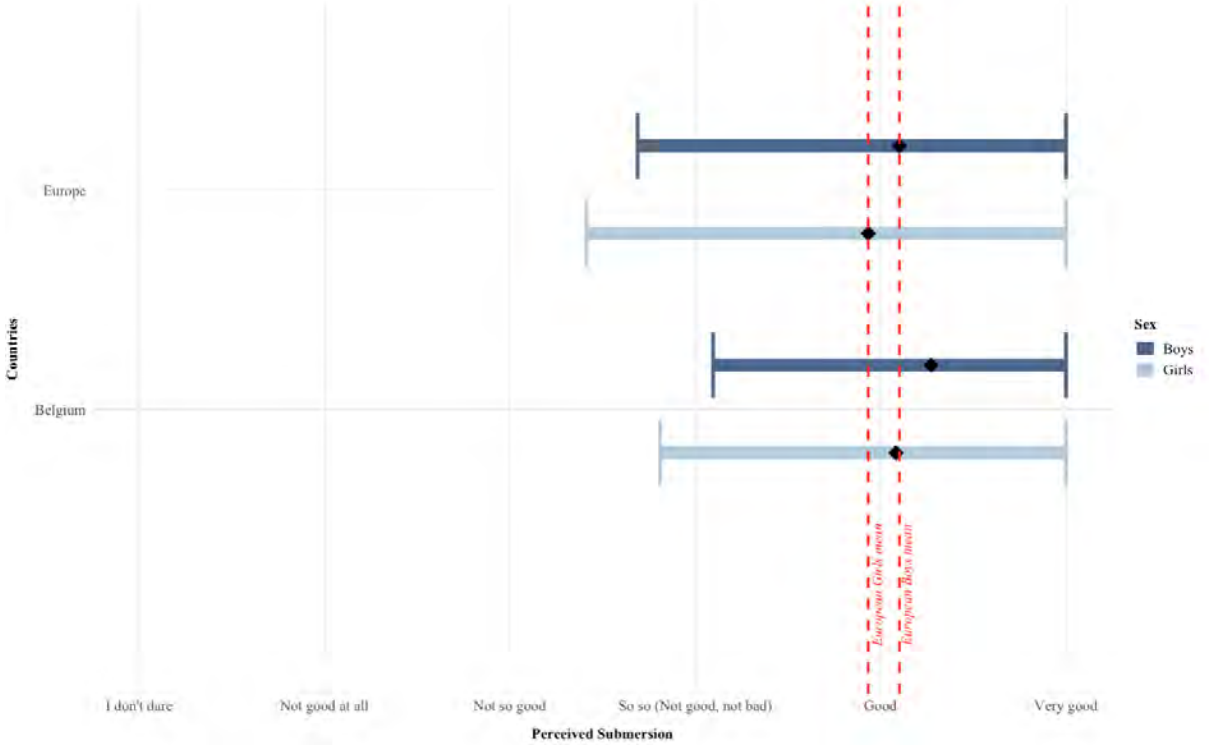


Figure 43. Distribution of the Perceived Submersion according to the Sex in Europe and in Belgium (Mean±SD).

Table 76. Comparative Analysis of the Perceived Submersion in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	268	1,139	0.45	0.03 [a]	0.08 [1]
	Girls	290	1,104	0.75	0.008 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 77. Comparative Analysis of the Perceived Submersion in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	268	290	0.04 *	0.08 [a]	0.47 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

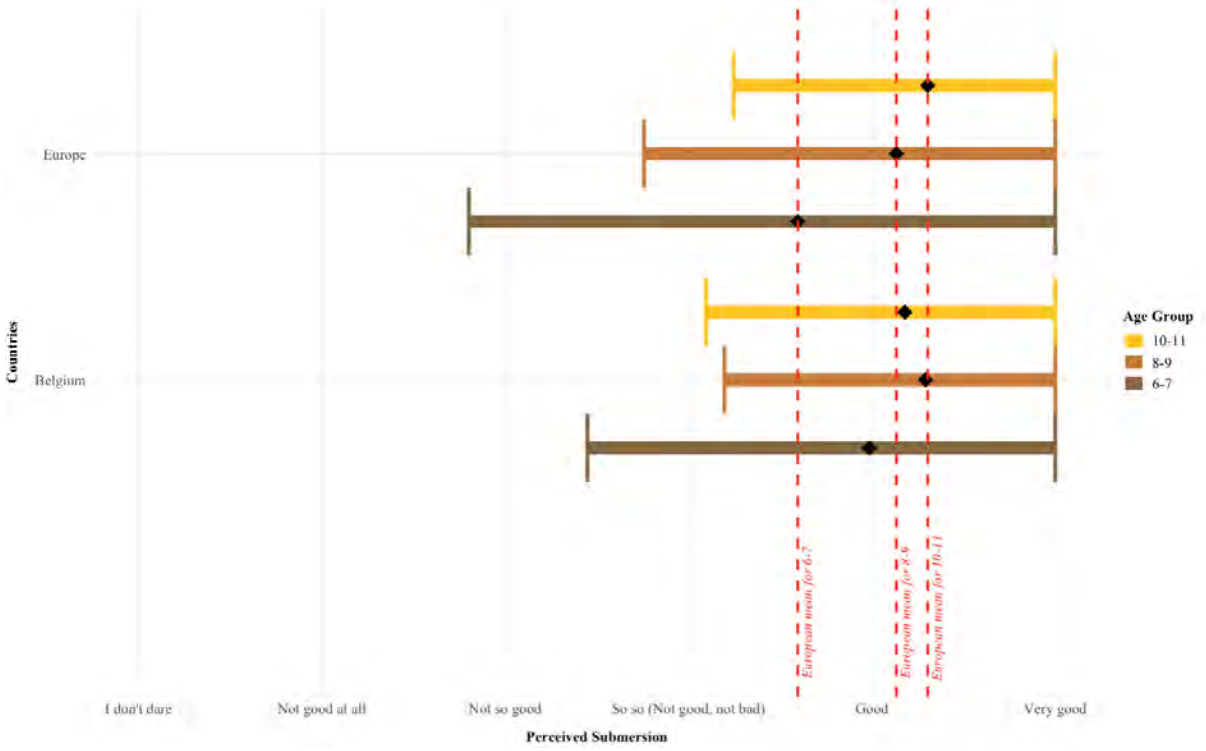


Figure 44. Distribution of the Perceived Submersion according to the Age Group in Europe and in Belgium (Mean±SD).

Table 78. Comparative Analysis of the Perceived Submersion in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	148	689	0.03 *	0.07 [a]	0.33 [1]
	8-9 yo	226	893	0.72	0.009 [a]	0.06 [1]
	10-11 yo	184	661	0.05	0.06 [a]	0.3 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 79. Comparative Analysis of the Perceived Submersion in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	148	226		0.34	0.04 [a]	0.13 [1]
	8-9 yo *vs* 10-11 yo		226	184	0.09	0.07 [a]	0.33 [1]
	6-7 yo *vs* 10-11 yo	148		184	0.67	0.02 [a]	0.07 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

9. Perceived floating

Overview

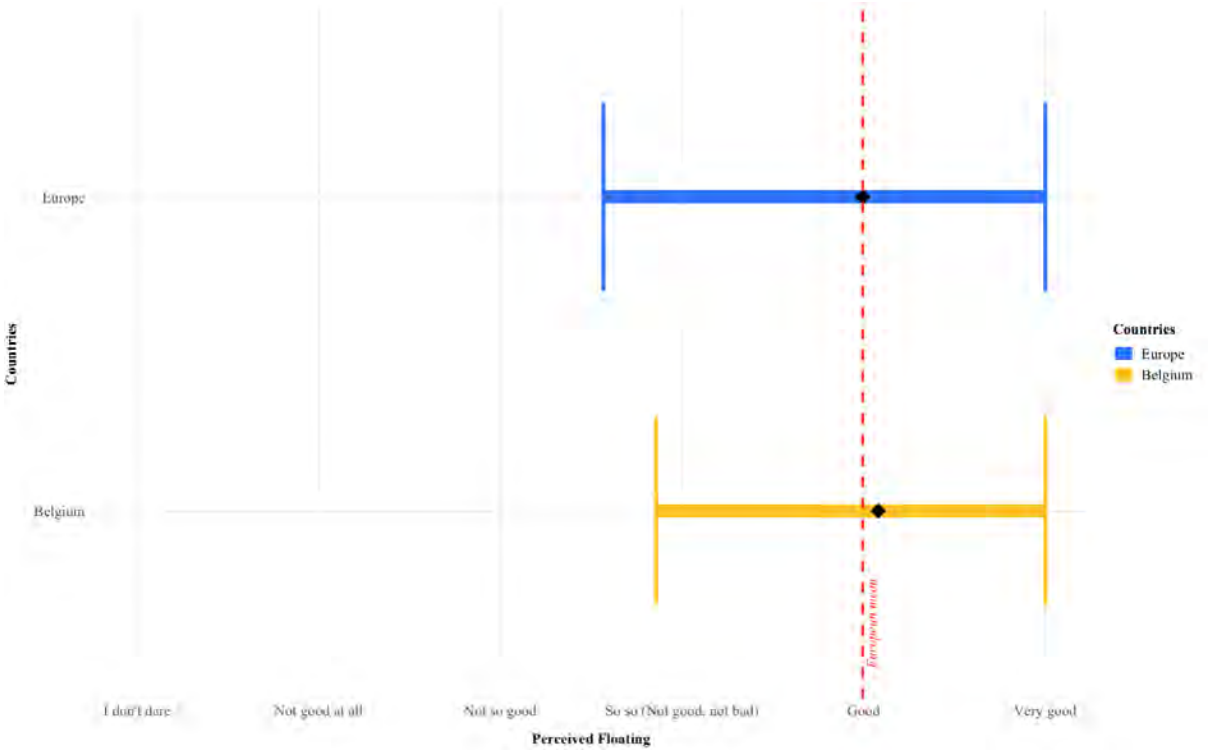


Figure 45. Distribution of the Perceived Floating in Europe and in Belgium (Mean±SD).

Table 80. Comparative Analysis of the Perceived Floating in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* **Europe**	560	2,250	0.82	0.008 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

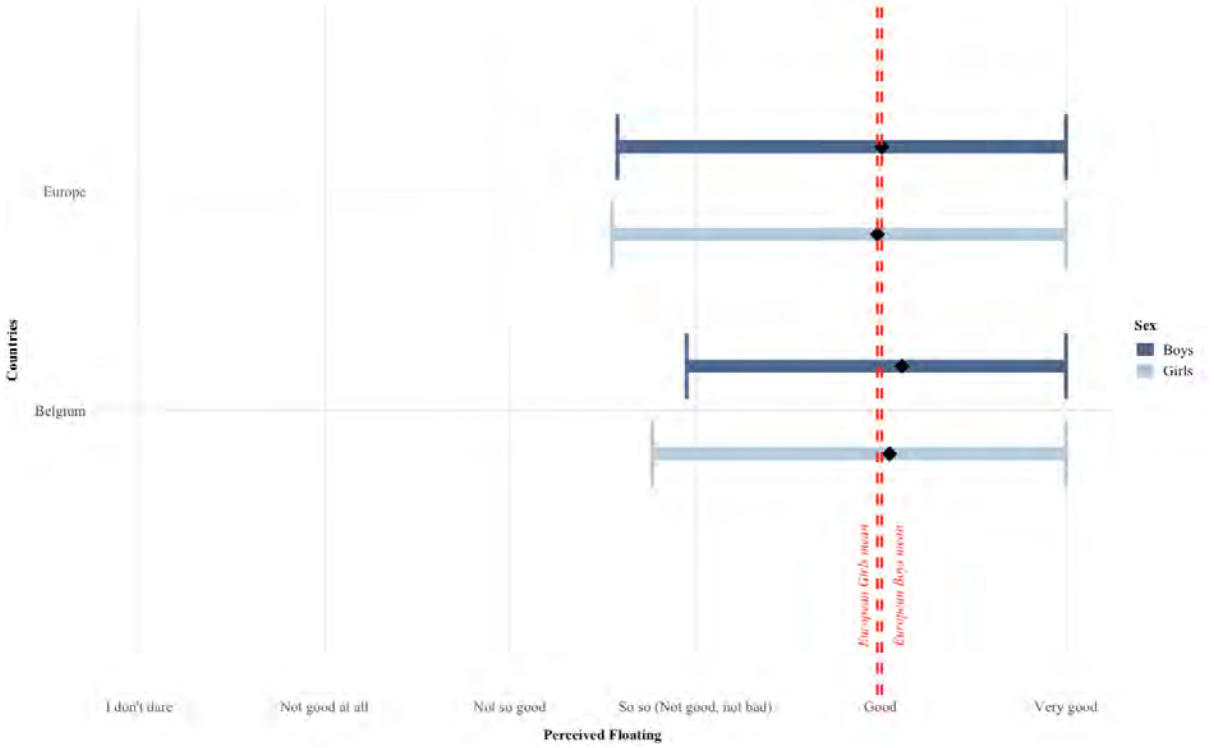


Figure 46. Distribution of the Perceived Floating according to the Sex in Europe and in Belgium (Mean±SD).

Table 81. Comparative Analysis of the Perceived Floating in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	269	1,142	0.82	0.005 [a]	0.05 [1]
	Girls	291	1,108	0.94	0.002 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 82. Comparative Analysis of the Perceived Floating in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	269	291	0.94	0.008 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

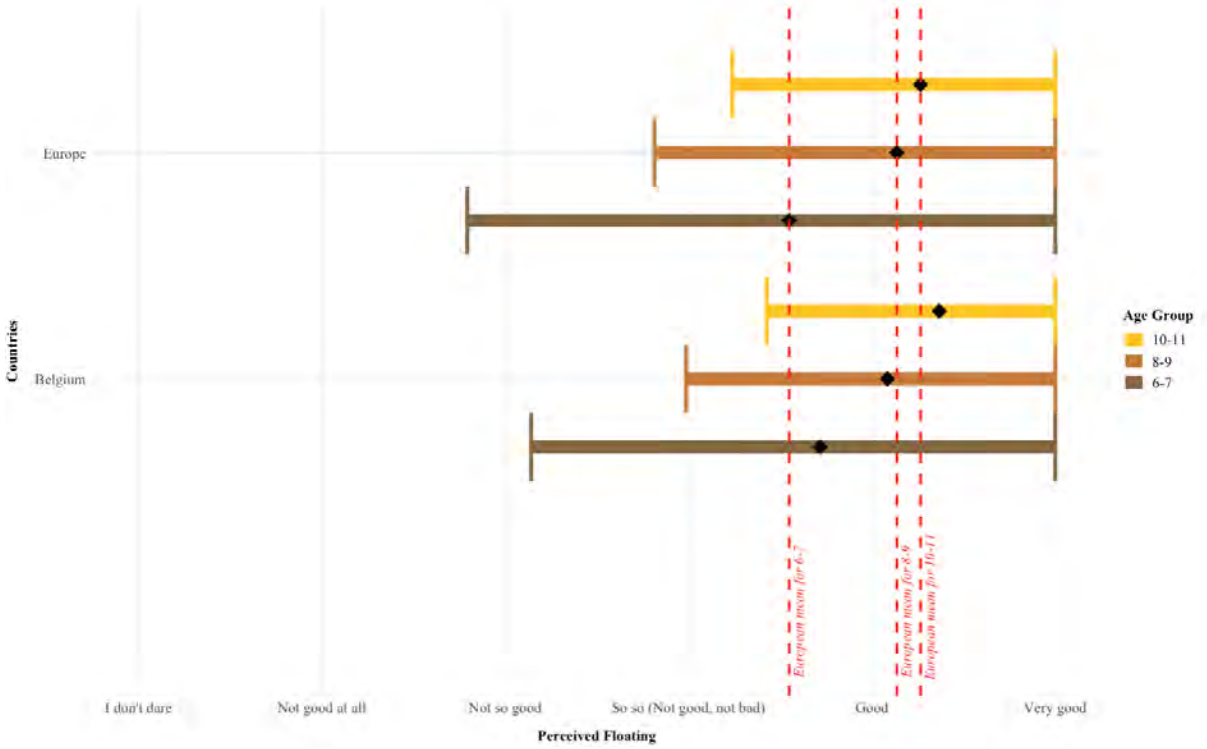


Figure 47. Distribution of the Perceived Floating according to the Age Group in Europe and in Belgium (Mean±SD).

Table 83. Comparative Analysis of the Perceived Floating in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	149	687	0.5	0.02 [a]	0.08 [1]
	8-9 yo	226	898	0.03 *	0.06 [a]	0.35 [1]
	10-11 yo	185	665	0.26	0.03 [a]	0.13 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 84. Comparative Analysis of the Perceived Floating in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	149	226		0.17	0.07 [a]	0.24 [1]
	8-9 yo *vs* 10-11 yo		226	185	0.007 **	0.12 [a]	0.69 [2]
	6-7 yo *vs* 10-11 yo	149		185	8.6^{e-4} ***	0.16 [a]	0.83 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

e. Enjoyment

1. Swimming lessons at school

Overview

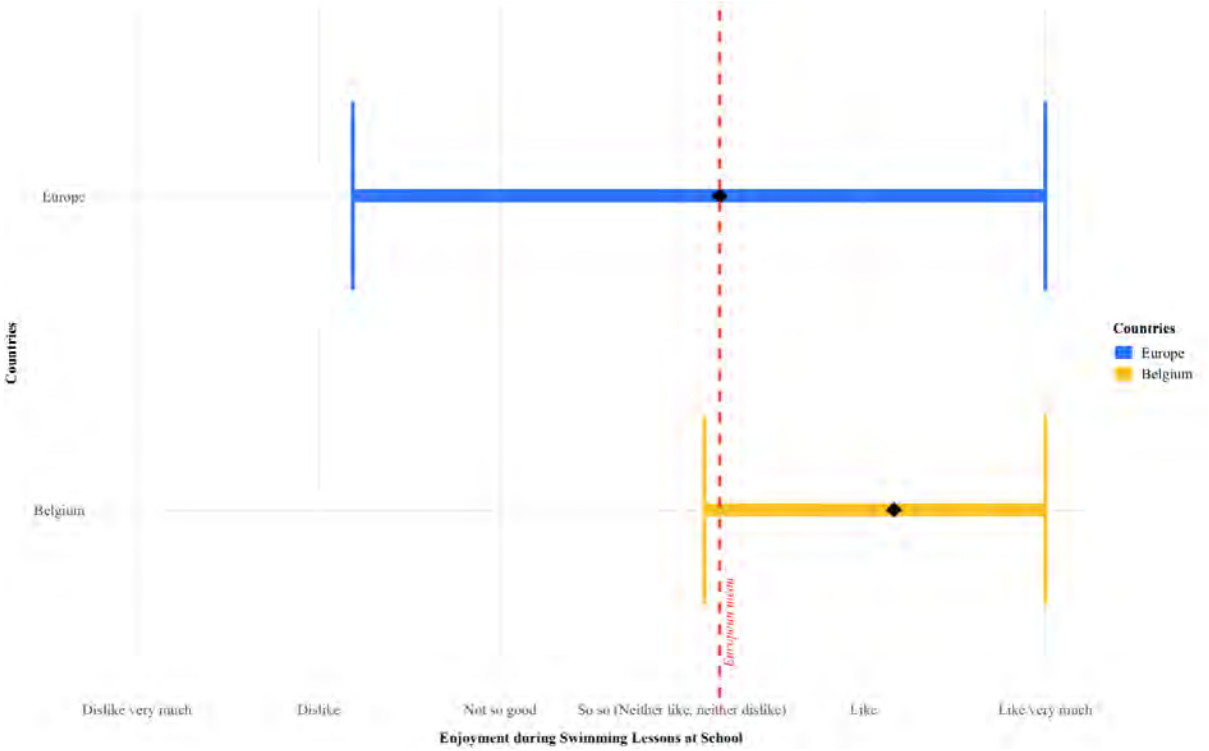


Figure 48. Distribution of the Enjoyment during Swimming Lessons at School in Europe and in Belgium (Mean±SD).

Table 85. Comparative Analysis of the Enjoyment during Swimming Lessons at School in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	564	2,210	9.92^{e-16} ***	0.29 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

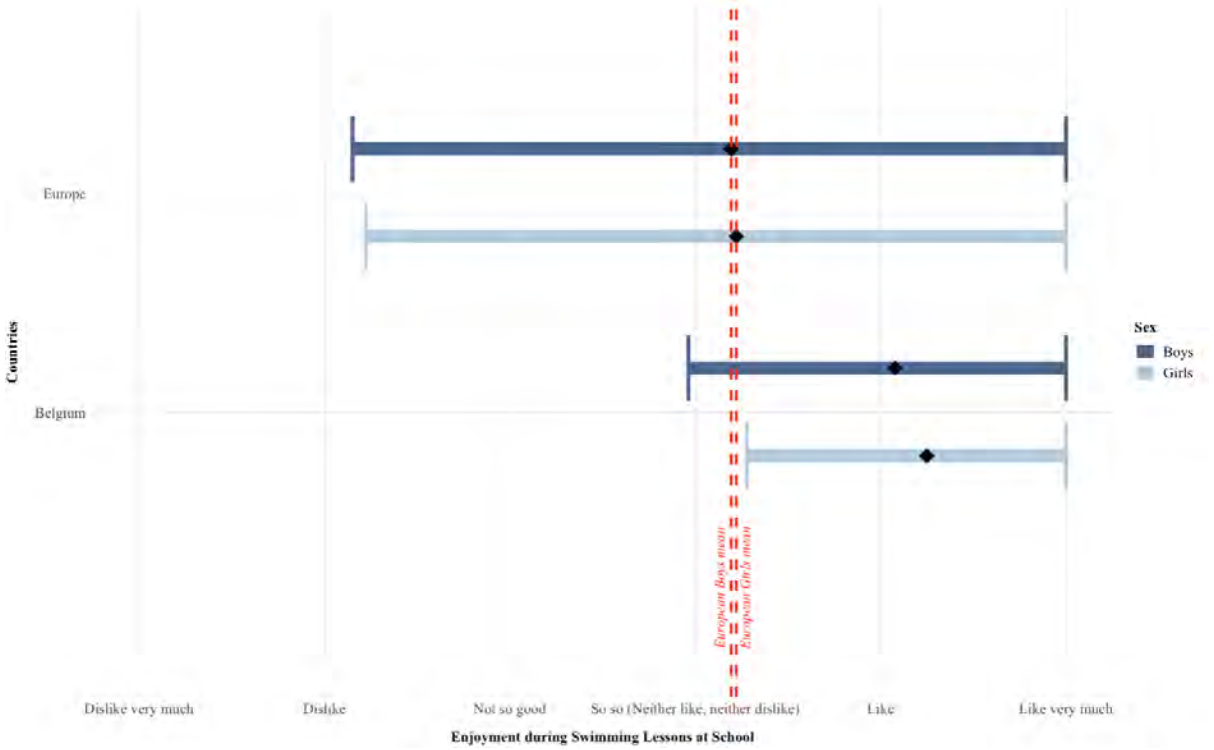


Figure 49. Distribution of the Enjoyment during Swimming Lessons at School according to the Sex in Europe and in Belgium (Mean±SD).

Table 86. Comparative Analysis of the Enjoyment during Swimming Lessons at School in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	271	1,116	2.77^{e-06} ***	0.12 [a]	0.94 [4]
	Girls	293	1,094	2.66^{e-11} ***	0.17 [a]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 87. Comparative Analysis of the Enjoyment during Swimming Lessons at School in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	271	293	0.09	0.06 [a]	0.34 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

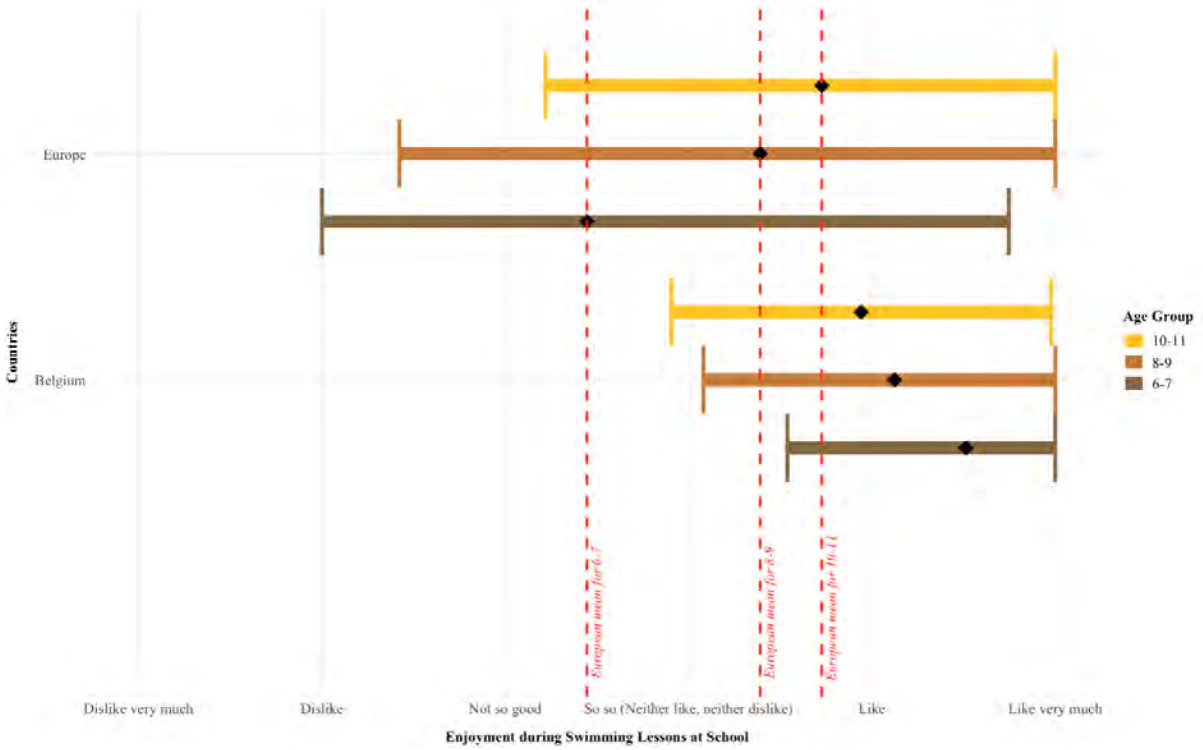


Figure 50. Distribution of the Enjoyment during Swimming Lessons at School according to the Age Group in Europe and in Belgium (Mean±SD).

Table 88. Comparative Analysis of the Enjoyment during Swimming Lessons at School in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	150	667	4.93^{e-22} ***	0.31 [b]	1 [4]
	8-9 yo	228	871	0.002 **	0.08 [a]	0.64 [2]
	10-11 yo	186	672	0.83	0.007 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 89. Comparative Analysis of the Enjoyment during Swimming Lessons at School in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	150	228		3.66^{e-06} ***	0.21 [b]	0.98 [4]
	8-9 yo *vs* 10-11 yo		228	186	0.03 *	0.1 [a]	0.52 [2]
	6-7 yo *vs* 10-11 yo	150		186	4.34^{e-10} ***	0.31 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

2. Swimming lessons at school with friends

Overview

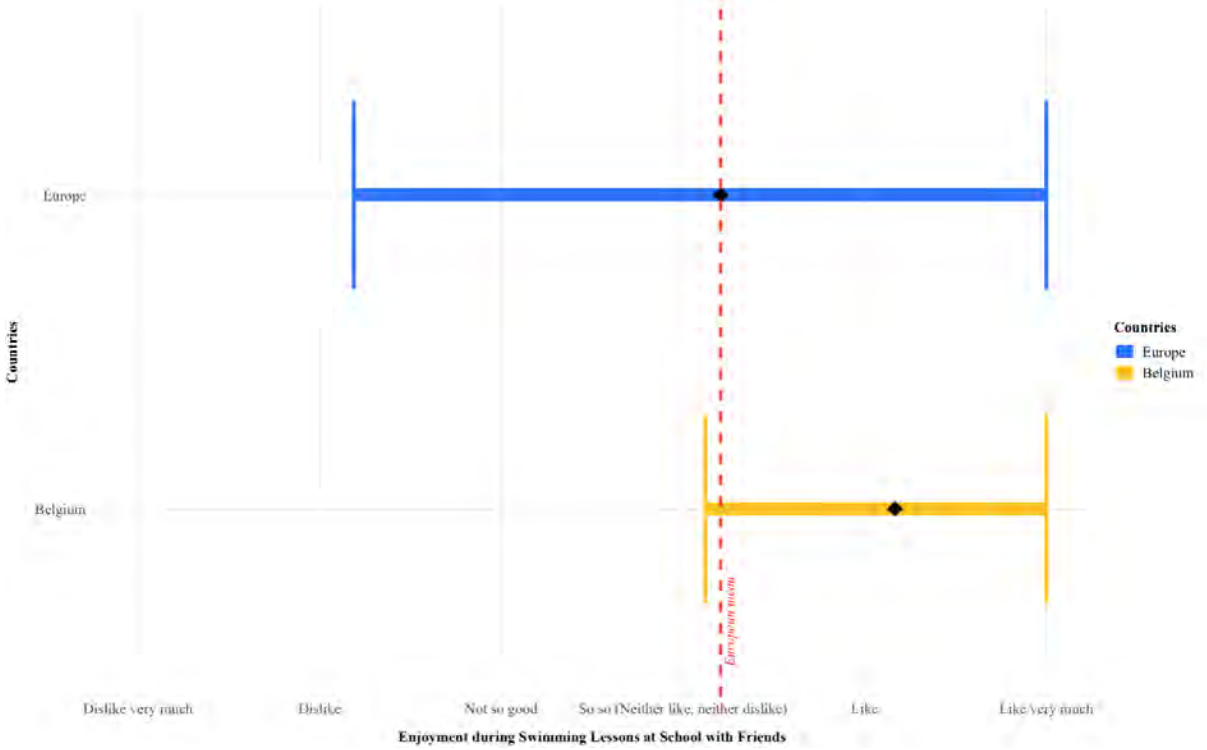


Figure 51. Distribution of the Enjoyment during Swimming Lessons at School with Friends in Europe and in Belgium (Mean±SD).

Table 90. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	564	2,210	9.92^{e-16} ***	0.14 [a]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

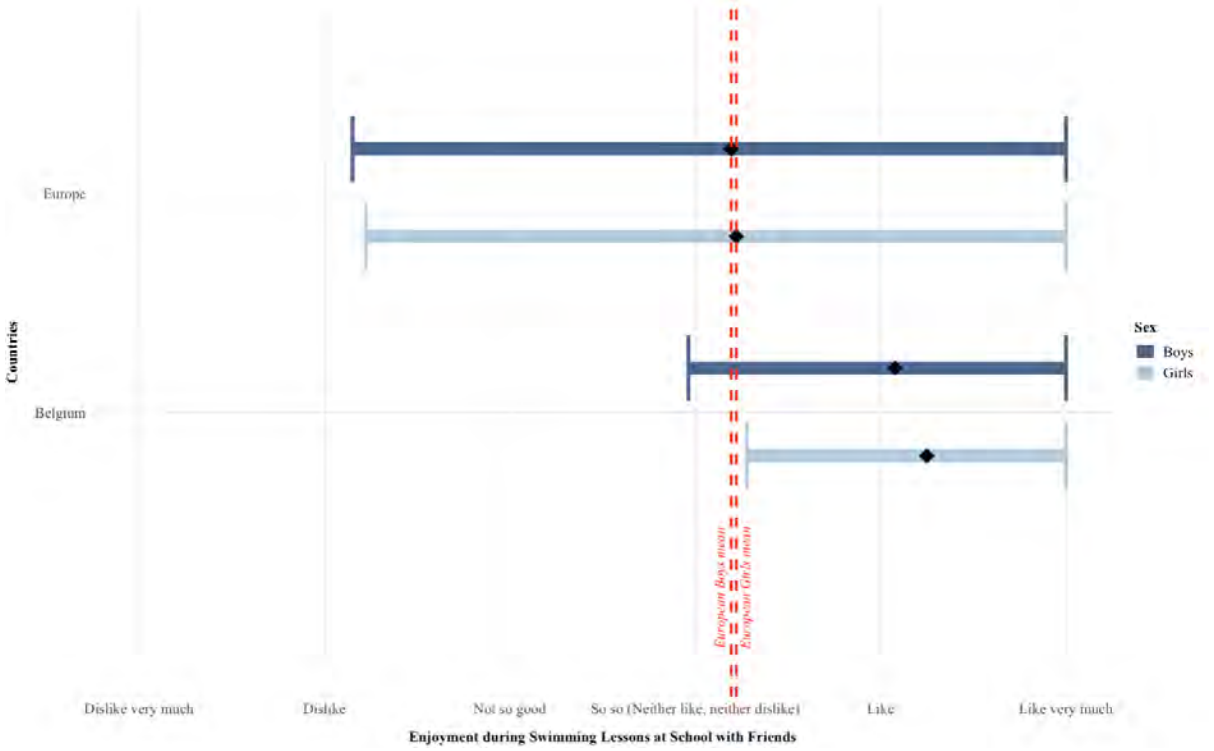


Figure 52. Distribution of the Enjoyment during Swimming Lessons at School with Friends according to the Sex in Europe and in Belgium (Mean±SD).

Table 91. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	271	1,116	2.77^{e-06} ***	0.12 [a]	0.94 [4]
	Girls	293	1,094	2.66^{e-11} ***	0.17 [a]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 92. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	271	293	0.09	0.06 [a]	0.34 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

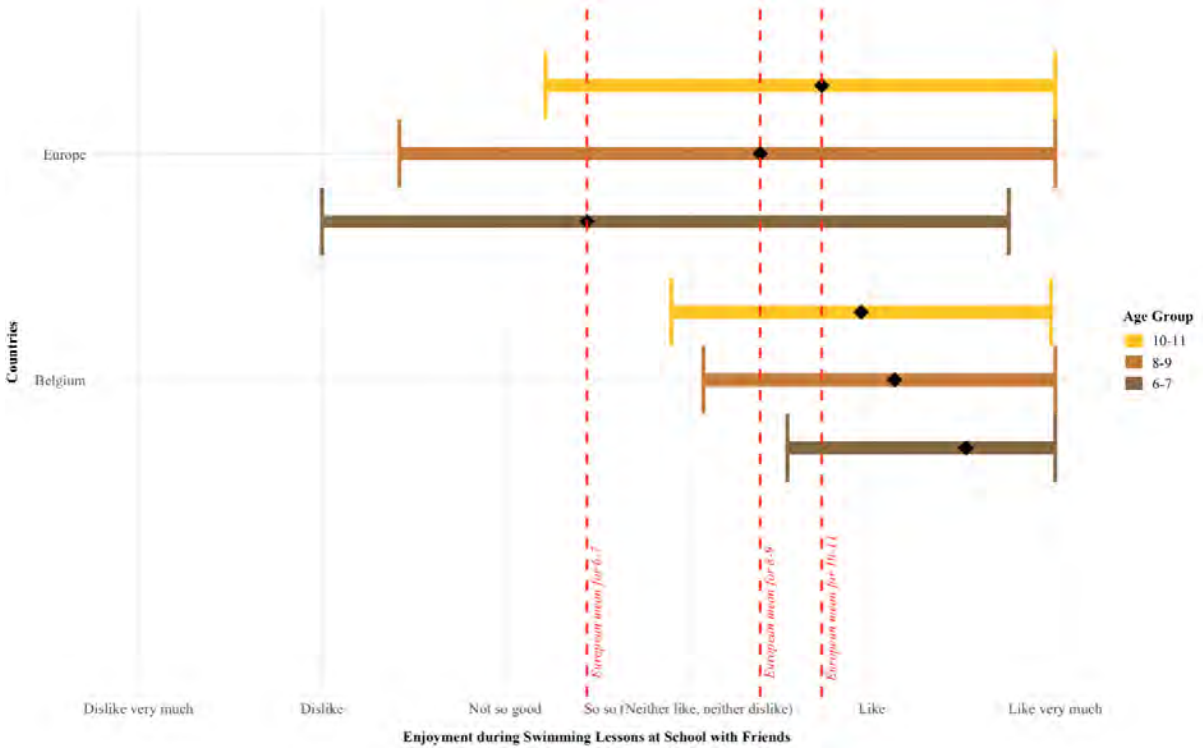


Figure 53. Distribution of the Enjoyment during Swimming Lessons at School with Friends according to the Age Group in Europe and in Belgium (Mean±SD).

Table 93. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	150	667	4.93^{e-22} ***	0.31 [b]	1 [4]
	8-9 yo	228	871	0.002 **	0.09 [a]	0.64 [2]
	10-11 yo	186	672	0.83	0.007 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 94. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	150	228		3.66^{e-06} ***	0.21 [b]	0.98 [4]
	8-9 yo *vs* 10-11 yo		228	186	0.03 *	0.1 [a]	0.52 [2]
	6-7 yo *vs* 10-11 yo	150		186	4.34^{e-10} ***	0.31 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

3. Swimming lessons out-of-school

Overview

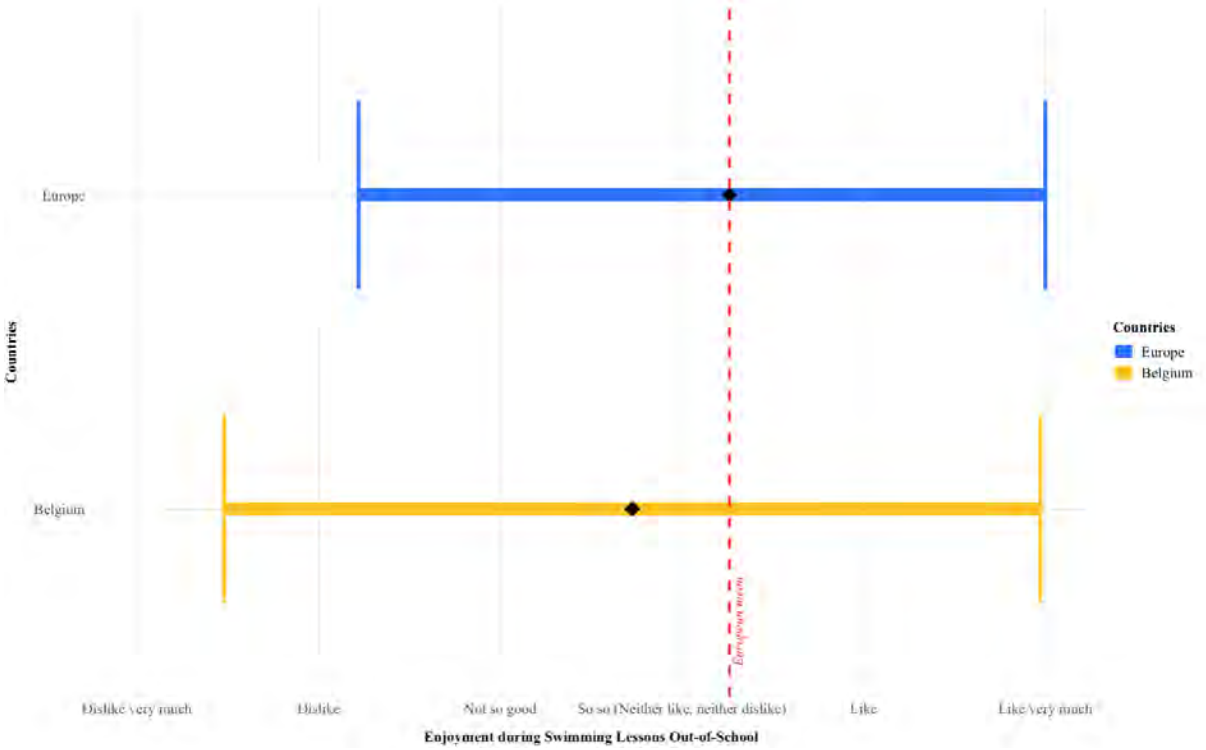


Figure 54. Distribution of the Enjoyment during Swimming Lessons Out-of-School in Europe and in Belgium (Mean±SD).

Table 95. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	511	2,360	6.91^{e-06} ***	0.16 [a]	0.9 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

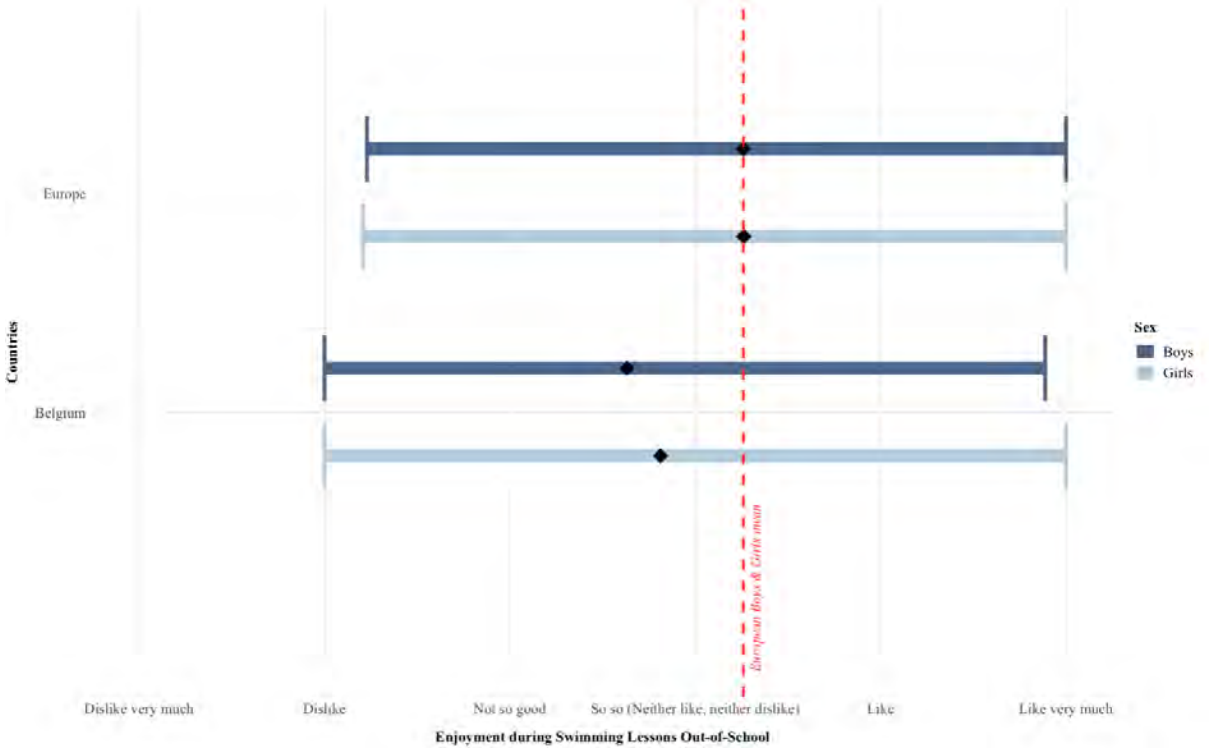


Figure 55. Distribution of the Enjoyment during Swimming Lessons Out-of-School according to the Sex in Europe and in Belgium (Mean±SD).

Table 96. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	Boys	245	1,199	1.2^{e-04} ***	0.1 [a]	0.79 [3]
	Girls	266	1,161	0.01 *	0.06 [a]	0.46 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 97. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	Boys *vs* Girls	245	266	0.31	0.04 [a]	0.16 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

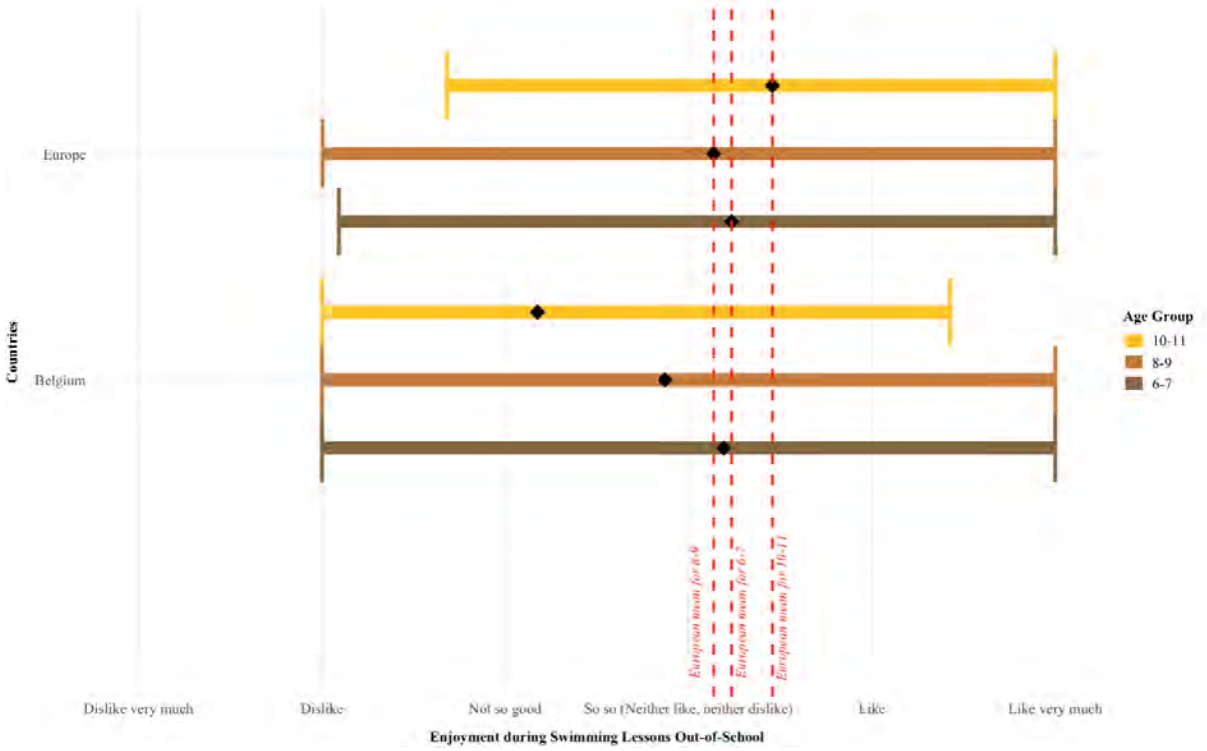


Figure 56. Distribution of the Enjoyment during Swimming Lessons Out-of-School according to the Age Group in Europe and in Belgium (Mean±SD).

Table 98. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	141	726	0.96	0.002 [a]	0.05 [1]
	8-9 yo	199	942	0.1	0.05 [a]	0.21 [1]
	10-11 yo	171	692	4.52^{e-10} ***	0.2 [a]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 99. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	141	199		0.07	0.09 [a]	0.38 [1]
	8-9 yo *vs* 10-11 yo		199	171	0.002 **	0.15 [a]	0.83 [3]
	6-7 yo *vs* 10-11 yo	141		171	1.92^{e-05} ***	0.23 [b]	0.98 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

4. Swimming lessons out-of-school with friends

Overview

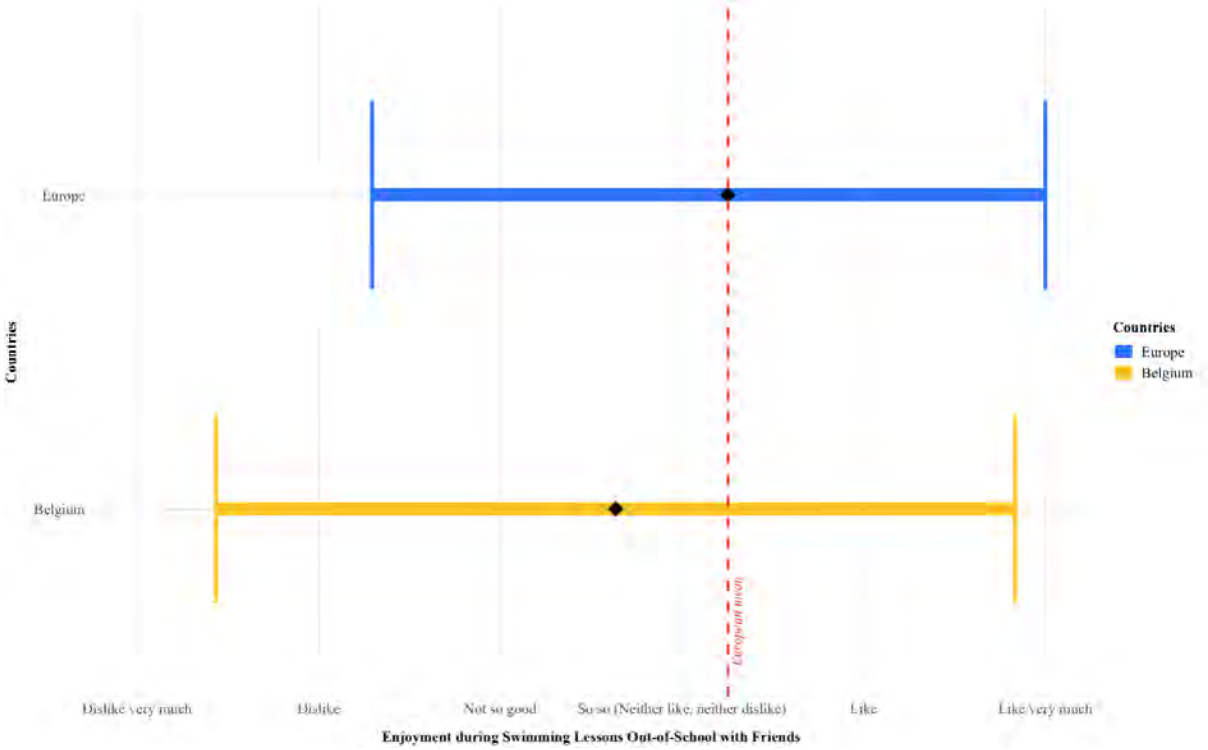


Figure 57. Distribution of the Enjoyment during Swimming Lessons Out-of-School with Friends in Europe and in Belgium (Mean±SD).

Table 100. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	514	2,350	5.38^{e-08} ***	0.19 [a]	0.98 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

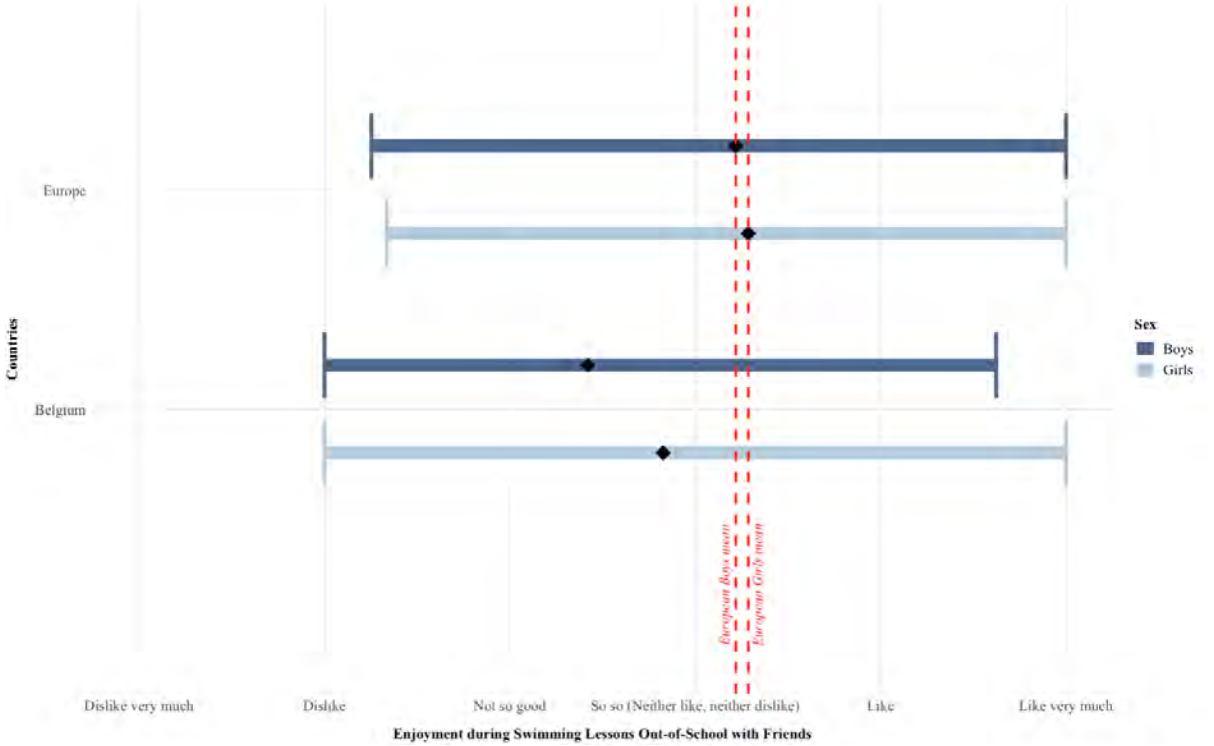


Figure 58. Distribution of the Enjoyment during Swimming Lessons Out-of-School with Friends according to the Sex the Sex in Europe and in Belgium (Mean±SD).

Table 101. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	Boys	243	1,190	1.84 $^{e-07}$ ***	0.13 [a]	0.95 [4]
	Girls	271	1,160	0.005 **	0.07 [a]	0.54 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 102. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	Boys *vs* Girls	243	271	0.05	0.08 [a]	0.46 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

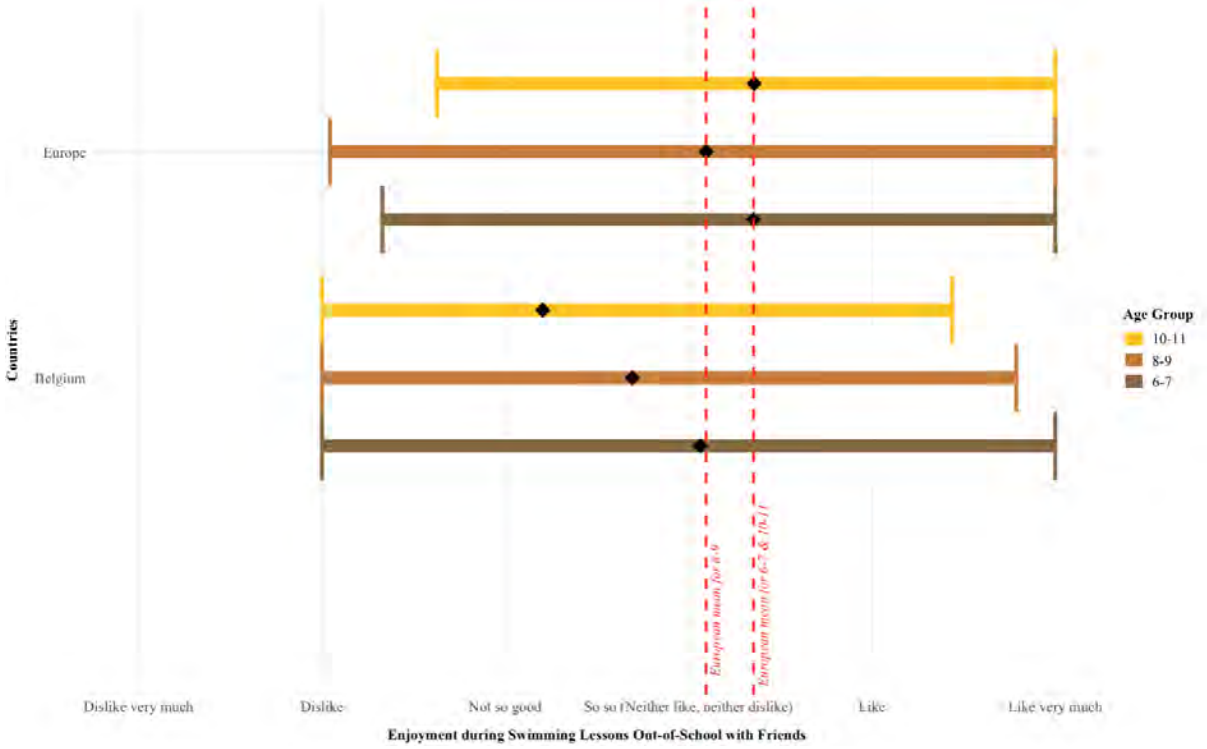


Figure 59. Distribution of the Enjoyment during Swimming Lessons Out-of-School with Friends according to the Age Group in Europe and in Belgium (Mean±SD).

Table 103. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	144	723	0.19	0.04 [a]	0.15 [1]
	8-9 yo	199	939	0.007 **	0.08 [a]	0.51 [2]
	10-11 yo	171	688	3.98^{e-08}	0.18 [a]	0.99 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 104. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	144	199		0.03 *	0.11 [a]	0.54 [2]
	8-9 yo *vs* 10-11 yo		199	171	0.04 *	0.1 [a]	0.49 [1]
	6-7 yo *vs* 10-11 yo	144		171	4.1^{e-04} ***	0.19 [a]	0.92 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

5. Playing in the swimming pool

Overview

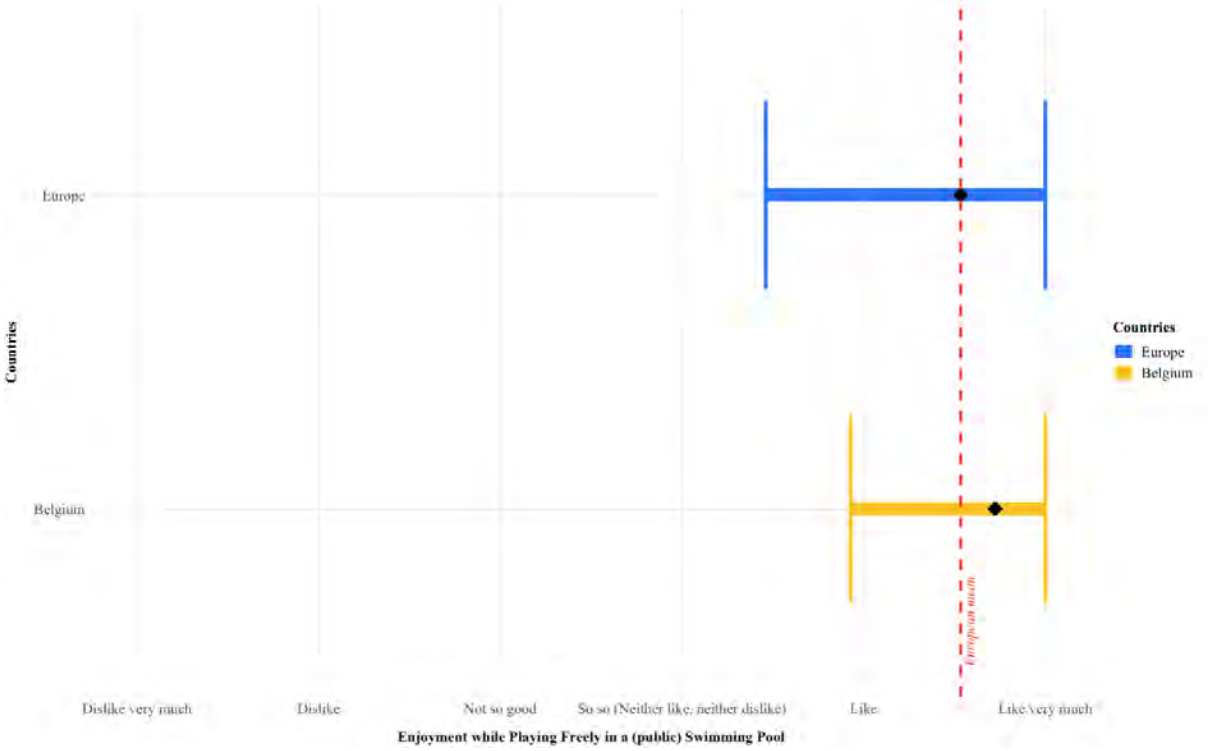


Figure 60. Distribution of the Enjoyment while Playing Freely in the Swimming Pool in Europe and in Belgium (Mean±SD).

Table 105. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* **Europe**	561	2,414	1^{e-04} ***	0.1 [a]	0.6 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

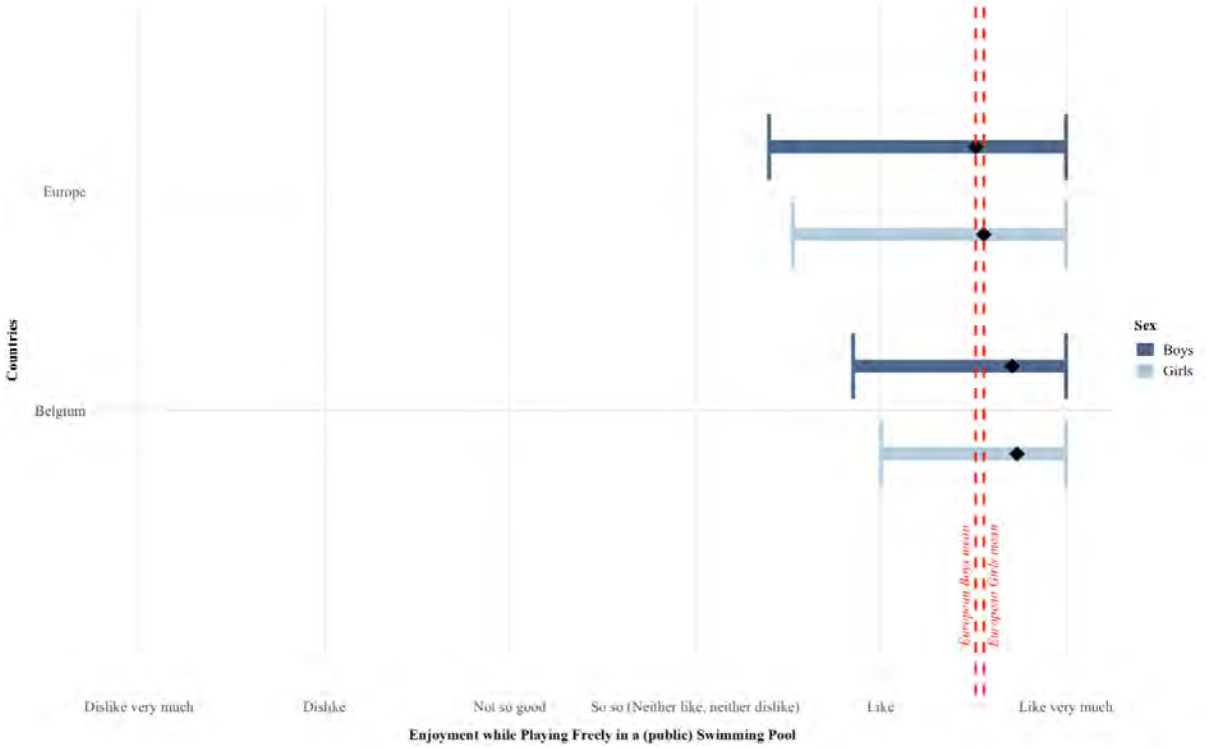


Figure 61. Distribution of the Enjoyment while Playing Freely in the Swimming Pool according to the Sex in Europe and in Belgium (Mean±SD).

Table 106. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	269	1,227	0.005 **	0.05 [a]	0.6 [2]
	Girls	292	1,187	0.008 **	0.05 [a]	0.34 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 107. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	269	292	0.85	0.005 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

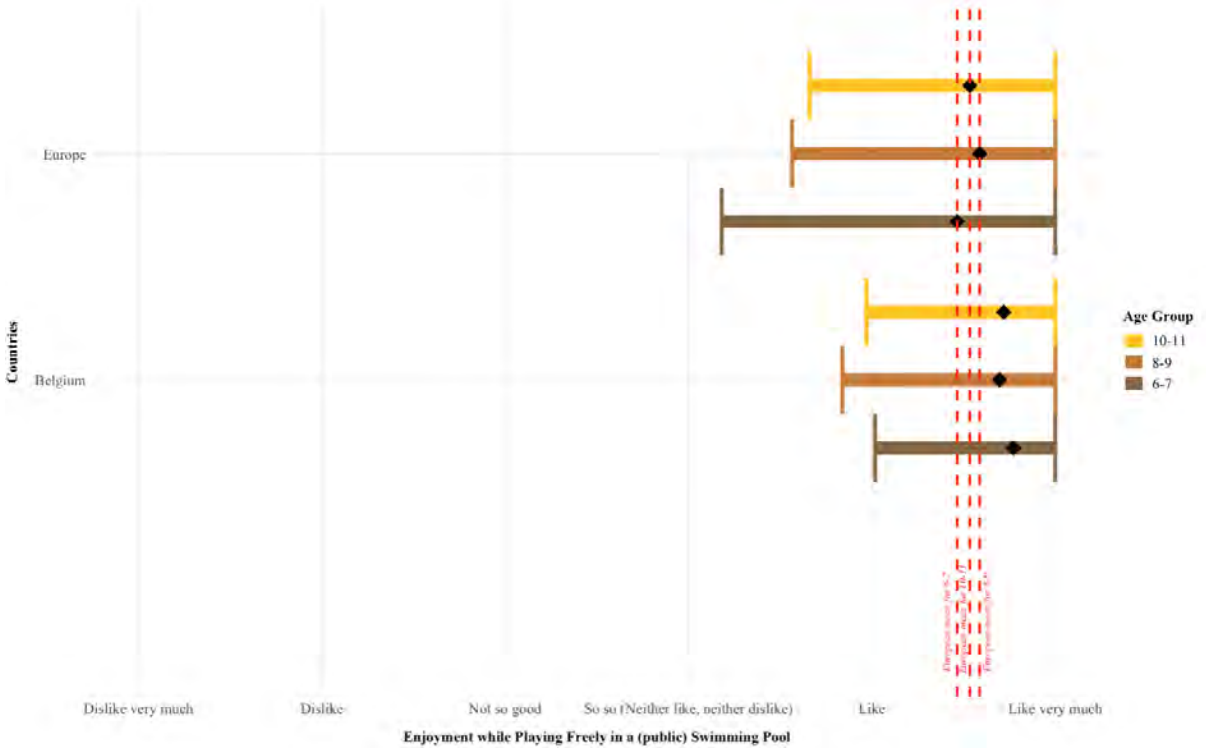


Figure 62. Distribution of the Enjoyment while Playing Freely in the Swimming Pool according to the Age Group in Europe and in Belgium (Mean±SD).

Table 108. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	149	746	0.03 *	0.05 [a]	0.2 [1]
	8-9 yo	227	964	0.24	0.02 [a]	0.1 [1]
	10-11 yo	185	704	4^{e-04} ***	0.09 [a]	0.62 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 109. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	149	227		0.27	0.04 [a]	0.1 [1]
	8-9 yo *vs* 10-11 yo		227	185	0.95	0.002 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	149		185	0.32	0.03 [a]	0.09 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

6. Playing in the swimming pool with friends

Overview

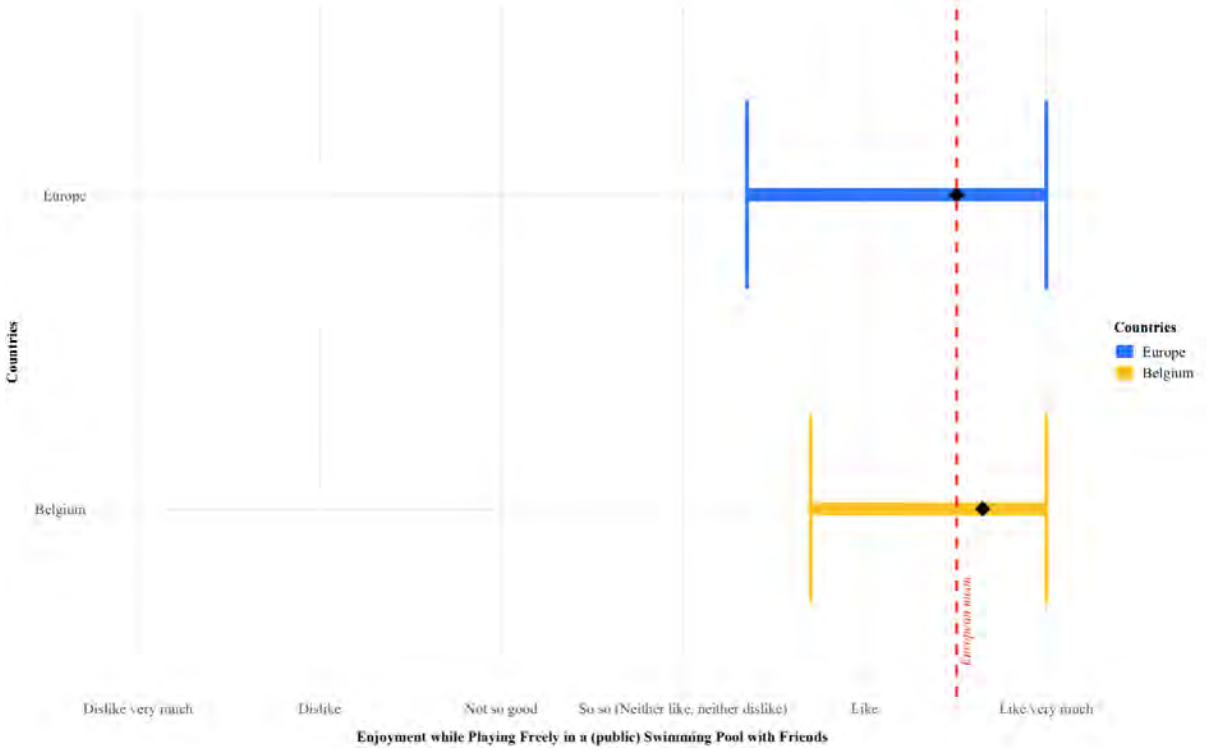


Figure 63. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Europe and in Belgium (Mean±SD).

Table 110. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* **Europe**	554	2,415	0.008 **	0.07 [a]	0.32 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

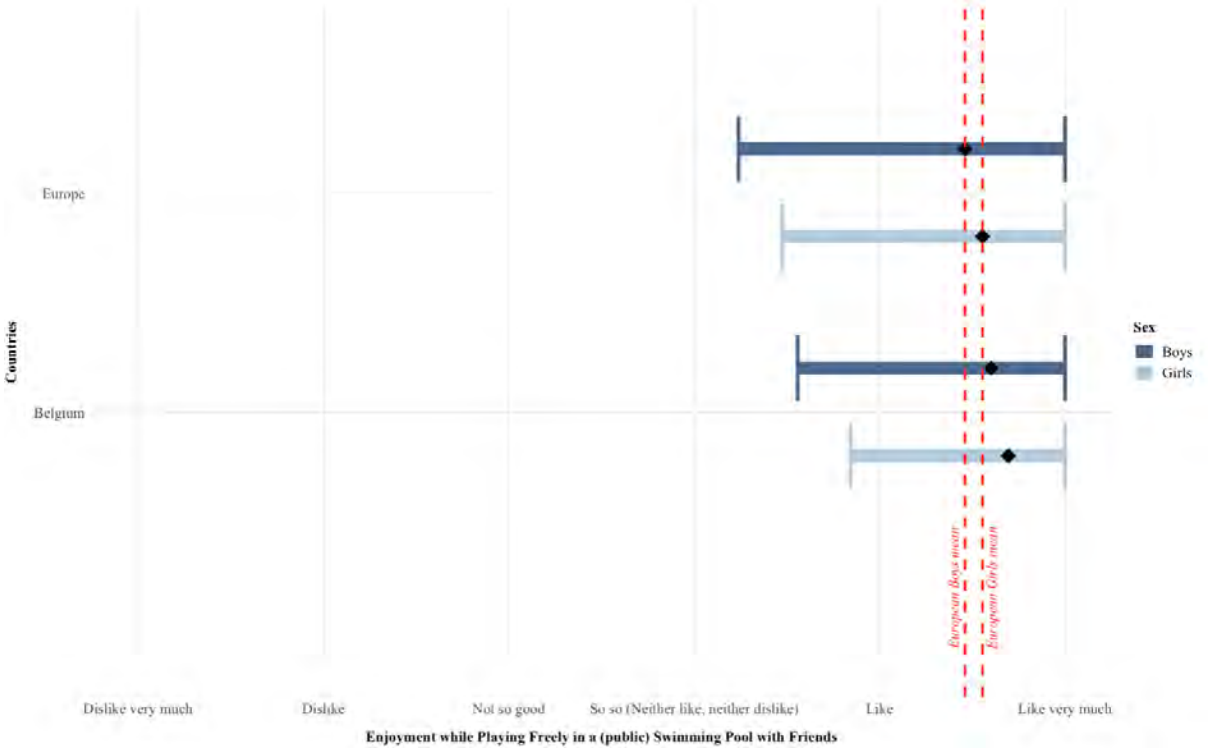


Figure 64. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Friends according to the Sex in Europe and in Belgium (Mean±SD).

Table 111. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	263	1,224	0.1	0.03 [a]	0.15 [1]
	Girls	291	1,191	0.04 *	0.04 [a]	0.22 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 112. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	263	291	0.49	0.02 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

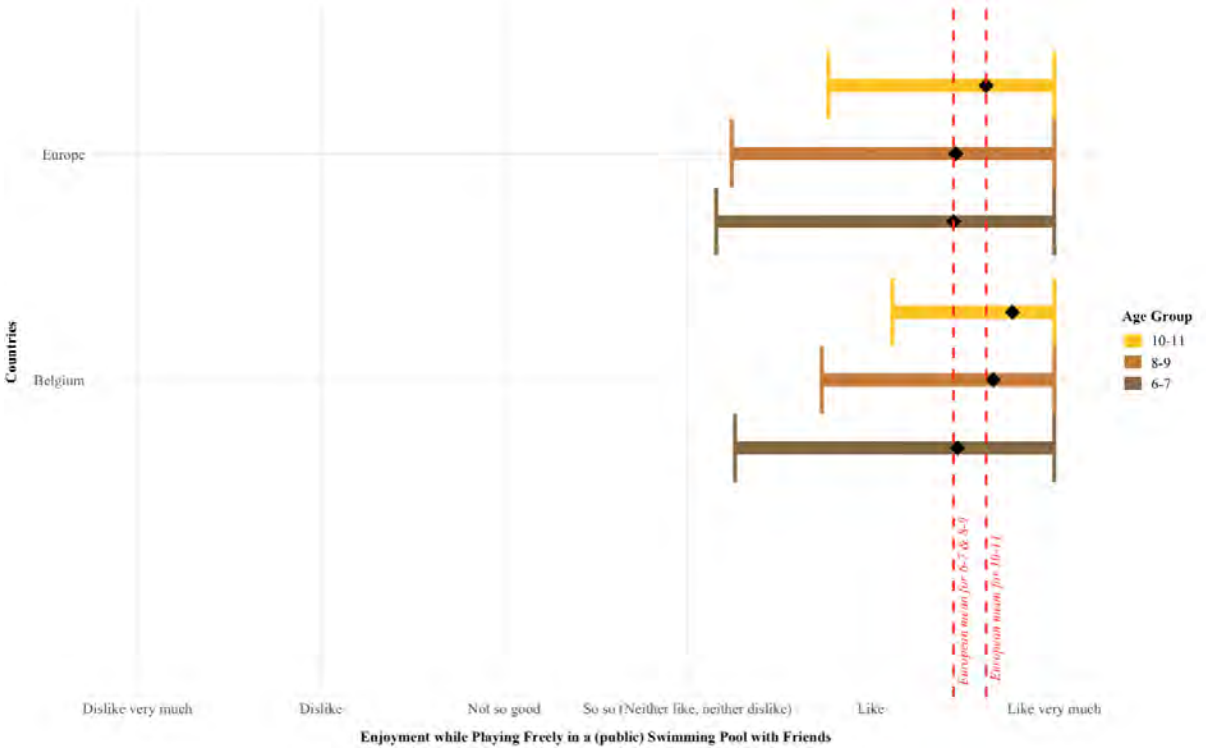


Figure 65. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Friends according to the Age Group in Europe and in Belgium (Mean±SD).

Table 113. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* **Europe**	6-7 yo	148	748	0.48	0.02 [a]	0.07 [1]
	8-9 yo	222	963	0.01 *	0.05 [a]	0.29 [1]
	10-11 yo	184	704	0.01 *	0.06 [a]	0.32 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 114. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	148	222		0.05	0.07 [a]	0.26 [1]
	8-9 yo *vs* 10-11 yo		222	184	0.6	0.02 [a]	0.06 [1]
	6-7 yo *vs* 10-11 yo	148		184	0.02 *	0.09 [a]	0.37 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

7. Playing in the swimming pool with family

Overview

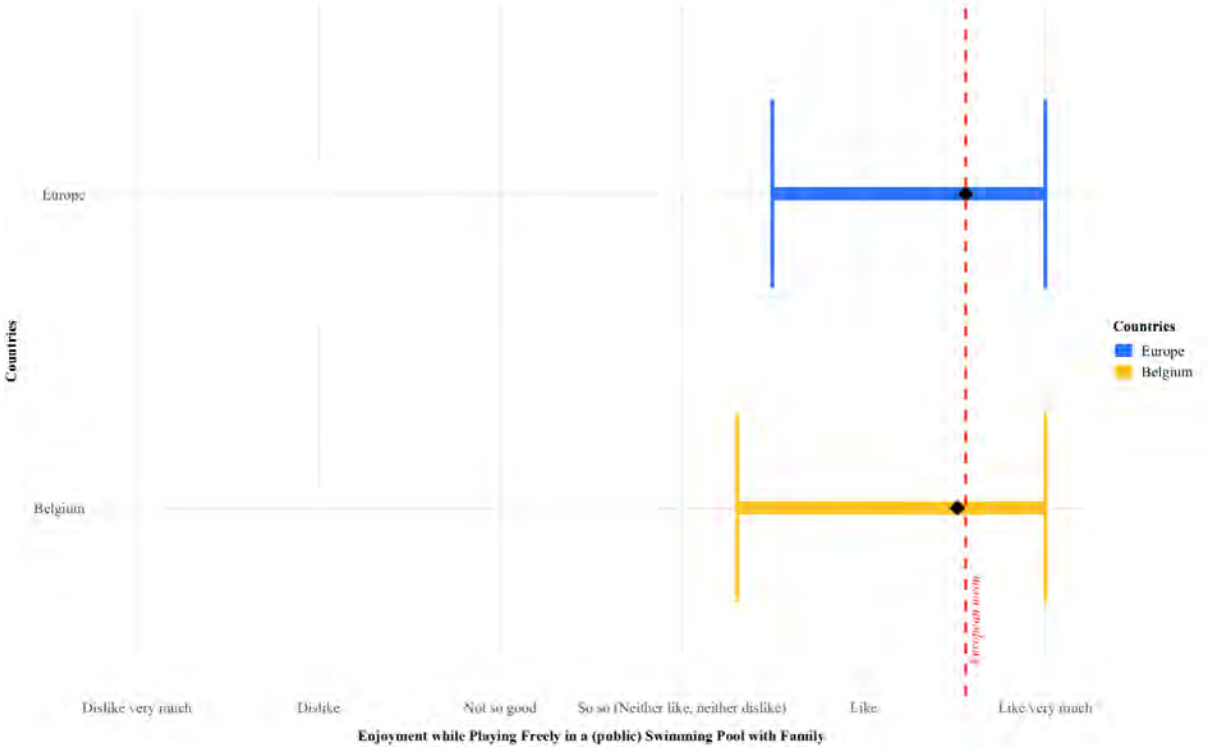


Figure 66. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Family in Europe and in Belgium (Mean±SD).

Table 115. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* **Europe**	553	2,406	0.85	0.005 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

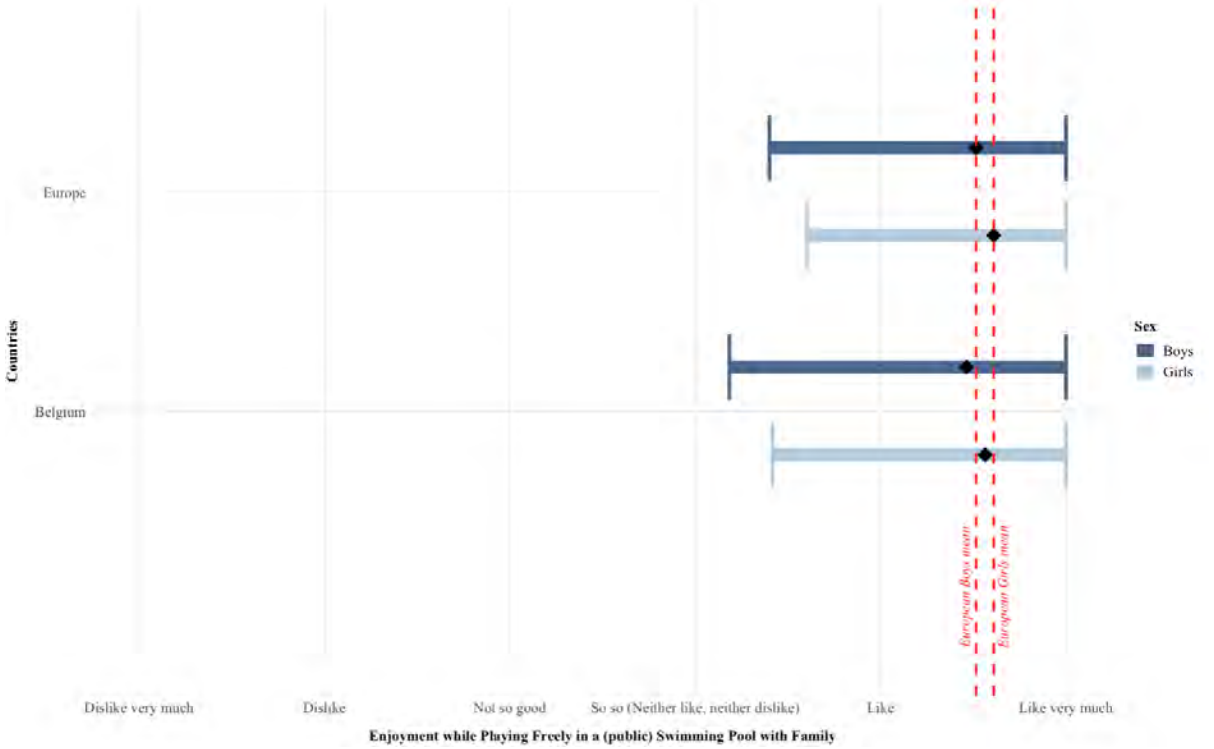


Figure 67. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Family according to the Sex in Europe and in Belgium (Mean±SD).

Table 116. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	264	1,226	0.89	0.003 [a]	0.05 [1]
	Girls	289	1,180	0.97	7.8^{e-04} [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 117. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	264	289	0.34	0.03 [1]	0.1 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: p-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

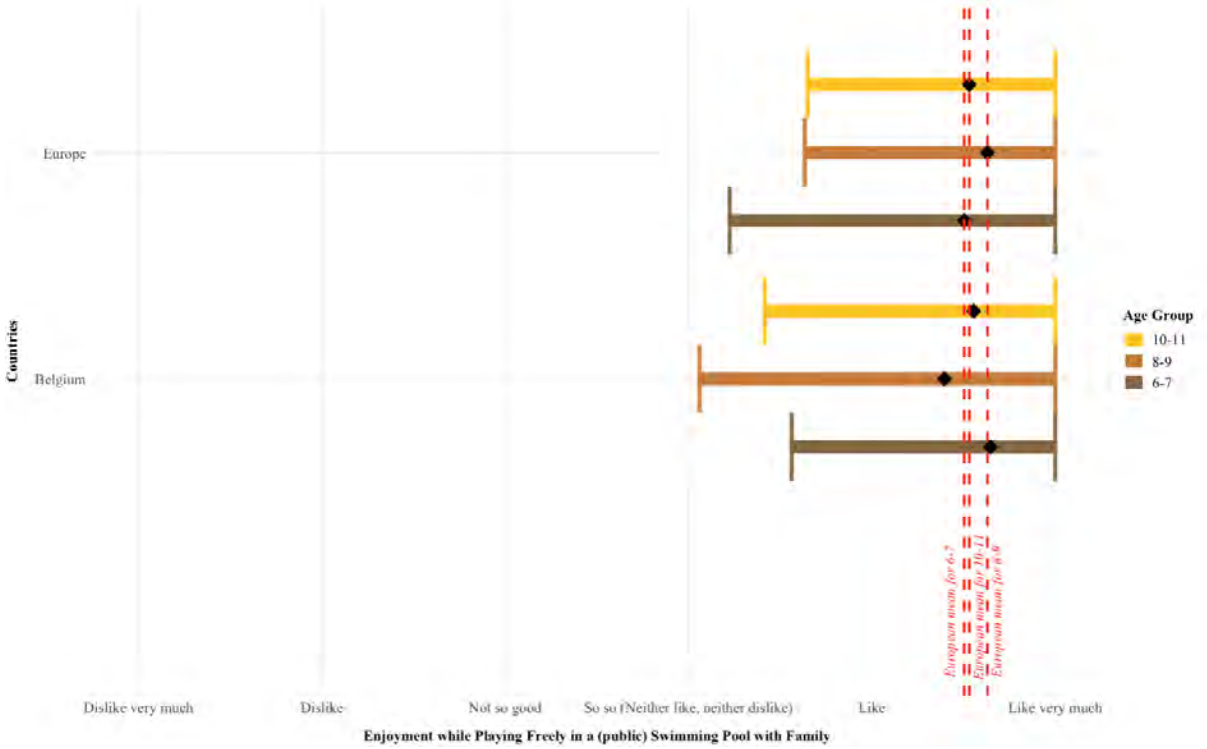


Figure 68. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Family according to the Age Group in Europe and in Belgium (Mean±SD).

Table 118. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	147	746	0.28	0.02 [a]	0.08 [1]
	8-9 yo	222	959	0.01 *	0.05 [a]	0.27 [1]
	10-11 yo	184	701	0.03 *	0.06 [a]	0.3 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: p-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 119. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	147	222		0.02 *	0.09 [a]	0.38 [1]
	8-9 yo *vs* 10-11 yo		222	184	0.37	0.03 [a]	0.1 [1]
	6-7 yo *vs* 10-11 yo	147		184	0.11	0.06 [a]	0.19 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

f. Opportunities

1. Swimming races

Overview

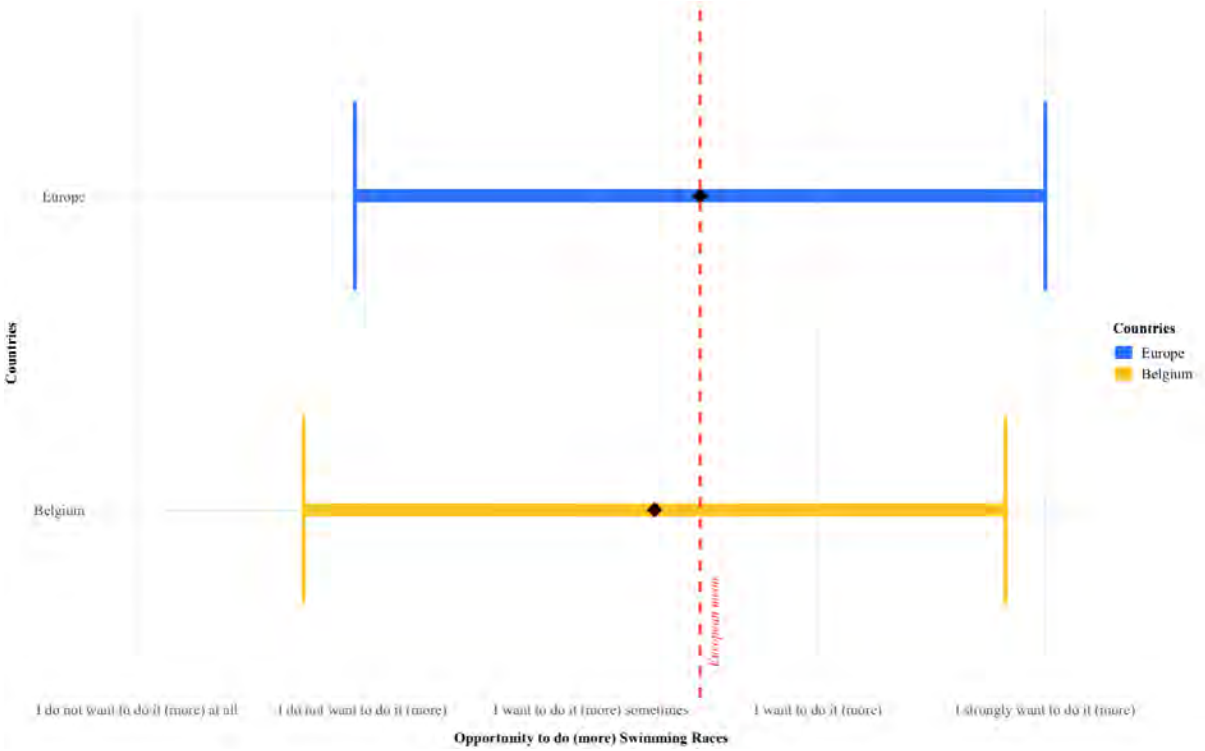


Figure 69. Distribution of the Opportunity to do (more) Swimming Races in Europe and in Belgium (Mean±SD).

Table 120. Comparative Analysis of the Opportunity to do (more) Swimming Races in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* **Europe**	563	2,390	0.003 **	0.1 [a]	0.6 [2]

0.08Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

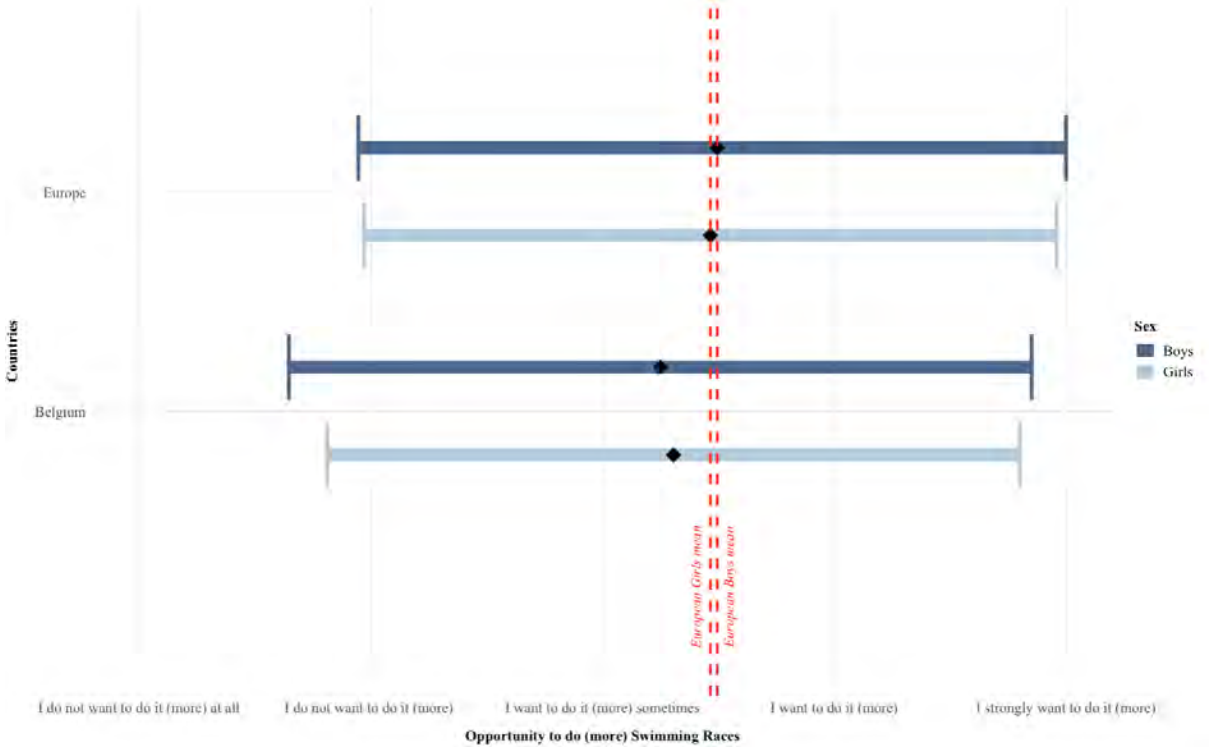


Figure 70. Distribution of the Opportunity to do (more) Swimming Races according to the Sex in Europe and in Belgium (Mean±SD).

Table 121. Comparative Analysis of the Opportunity to do (more) Swimming Races in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	Boys	269	1,206	0.02 **	0.06 [a]	0.4 [1]
	Girls	294	1,184	0.07	0.04 [a]	0.28 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 122. Comparative Analysis of the Opportunity to do (more) Swimming Races in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	Boys *vs* Girls	269	294	0.67	0.007 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

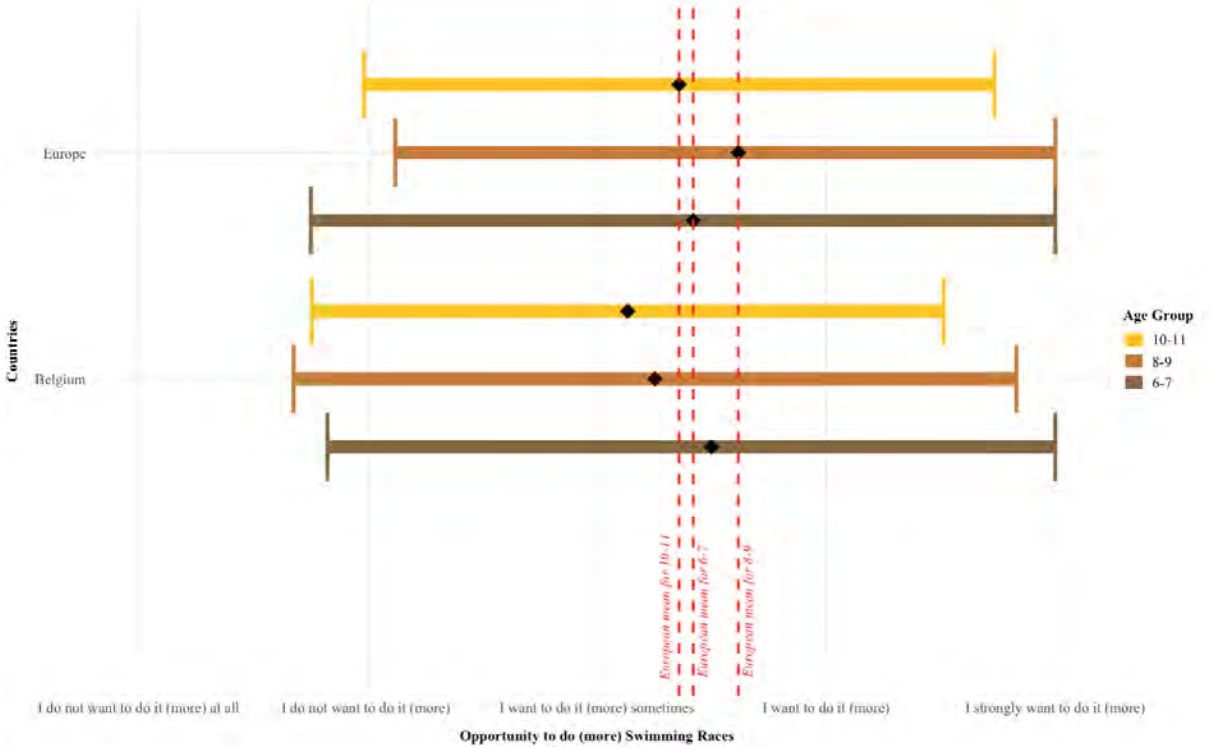


Figure 71. Distribution of the Opportunity to do (more) Swimming Races according to the Age Group in Europe and in Belgium (Mean±SD).

Table 123. Comparative Analysis of the Opportunity to do (more) Swimming Races in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	148	731	0.52	0.02 [a]	0.07 [1]
	8-9 yo	229	953	0.001 **	0.09 [a]	0.68 [2]
	10-11 yo	186	706	0.05	0.06 [a]	0.34 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 124. Comparative Analysis of the Opportunity to do (more) Swimming Races in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	148	229		0.08	0.09 [a]	0.37 [1]
	8-9 yo *vs* 10-11 yo		229	186	0.24	0.06 [a]	0.21 [1]
	6-7 yo *vs* 10-11 yo	148		186	0.003 **	0.15 [a]	0.81 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

2. Water Polo

Overview

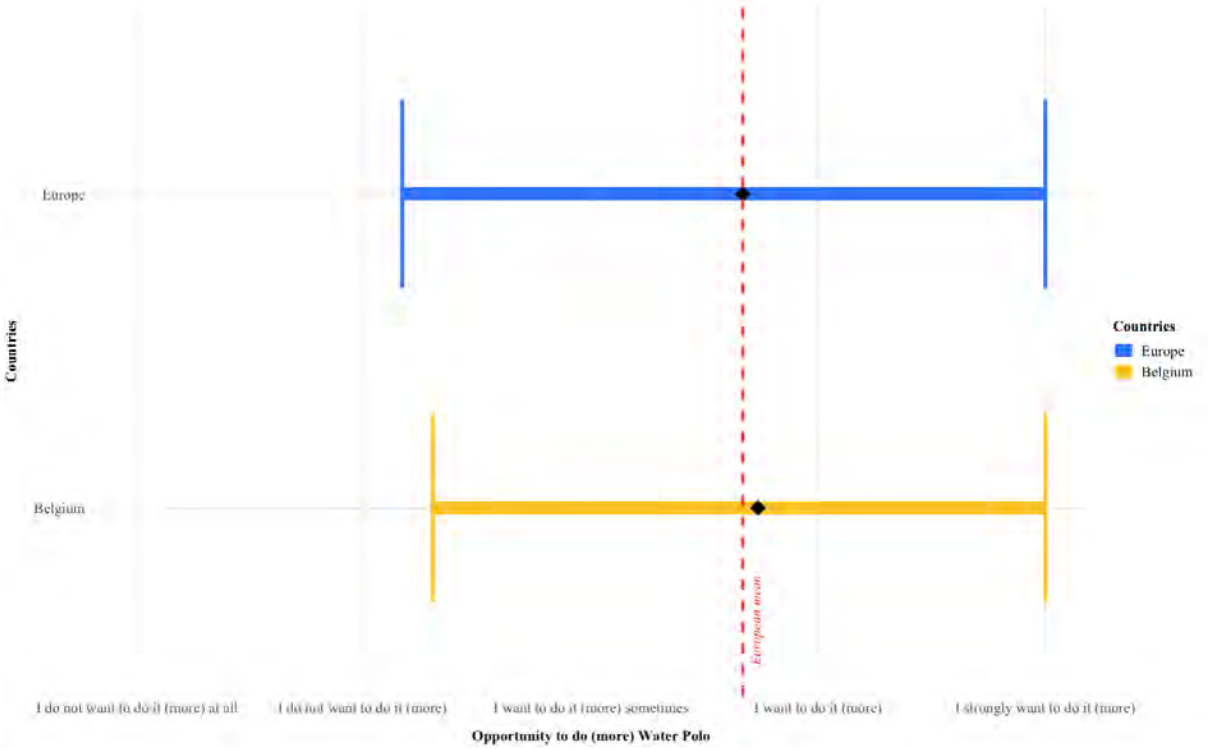


Figure 72. Distribution of the Opportunity to do (more) Water Polo in Europe and in Belgium (Mean±SD).

Table 125. Comparative Analysis of the Opportunity to do (more) Water Polo in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	564	2,377	0.56	0.02 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

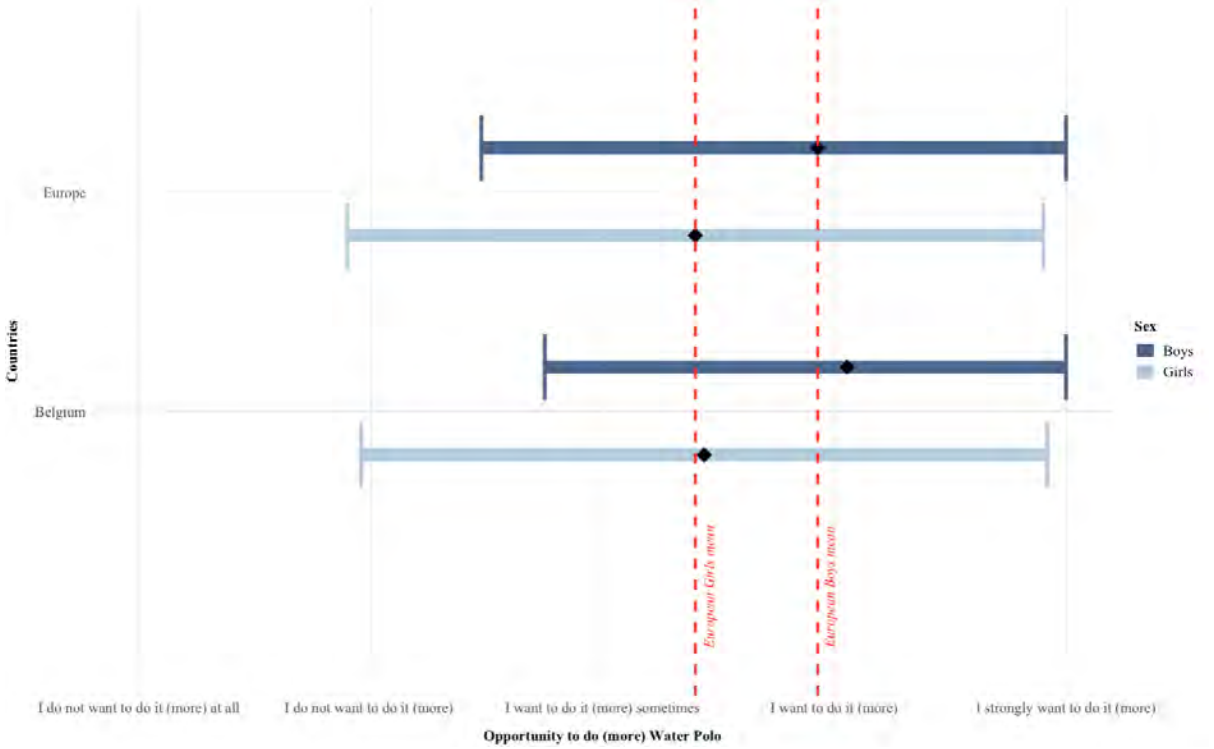


Figure 73. Distribution of the Opportunity to do (more) Water Polo according to the Sex in Europe and in Belgium (Mean±SD).

Table 126. Comparative Analysis of the Opportunity to do (more) Water Polo in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	Boys	270	1,200	0.46	0.02 [a]	0.08 [1]
	Girls	294	1,177	0.73	0.009 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 127. Comparative Analysis of the Opportunity to do (more) Water Polo in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	Boys *vs* Girls	270	294	6.75^{e-08} ***	0.21 [a]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

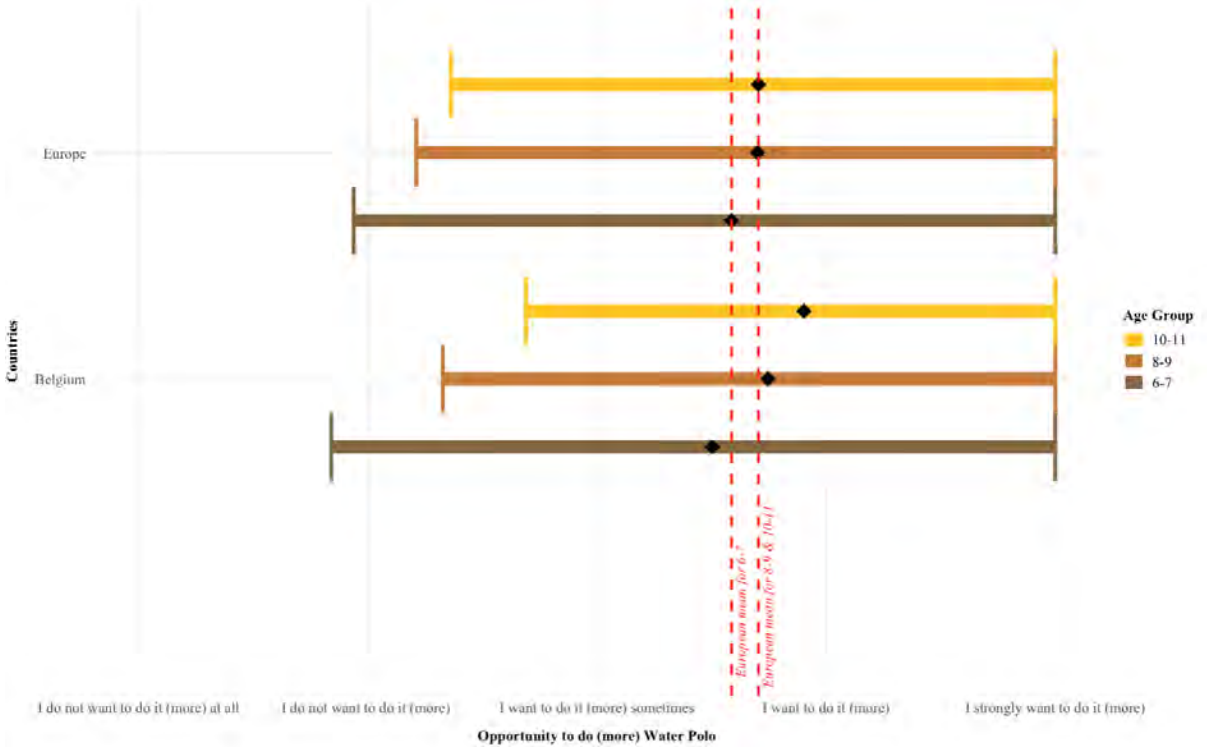


Figure 74. Distribution of the Opportunity to do (more) Water Polo according to the Age Group in Europe and in Belgium (Mean±SD).

Table 128. Comparative Analysis of the Opportunity to do (more) Water Polo in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	149	731	0.64	0.01 [a]	0.06 [1]
	8-9 yo	229	942	0.9	0.003 [a]	0.05 [1]
	10-11 yo	186	704	0.11	0.05 [a]	0.23 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 129. Comparative Analysis of the Opportunity to do (more) Water Polo in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	149	229		0.4	0.04 [a]	0.12 [1]
	8-9 yo *vs* 10-11 yo		229	186	0.59	0.02 [a]	0.08 [1]
	6-7 yo *vs* 10-11 yo	149		186	0.22	0.06 [a]	0.21 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

3. Artistic Swimming

Overview

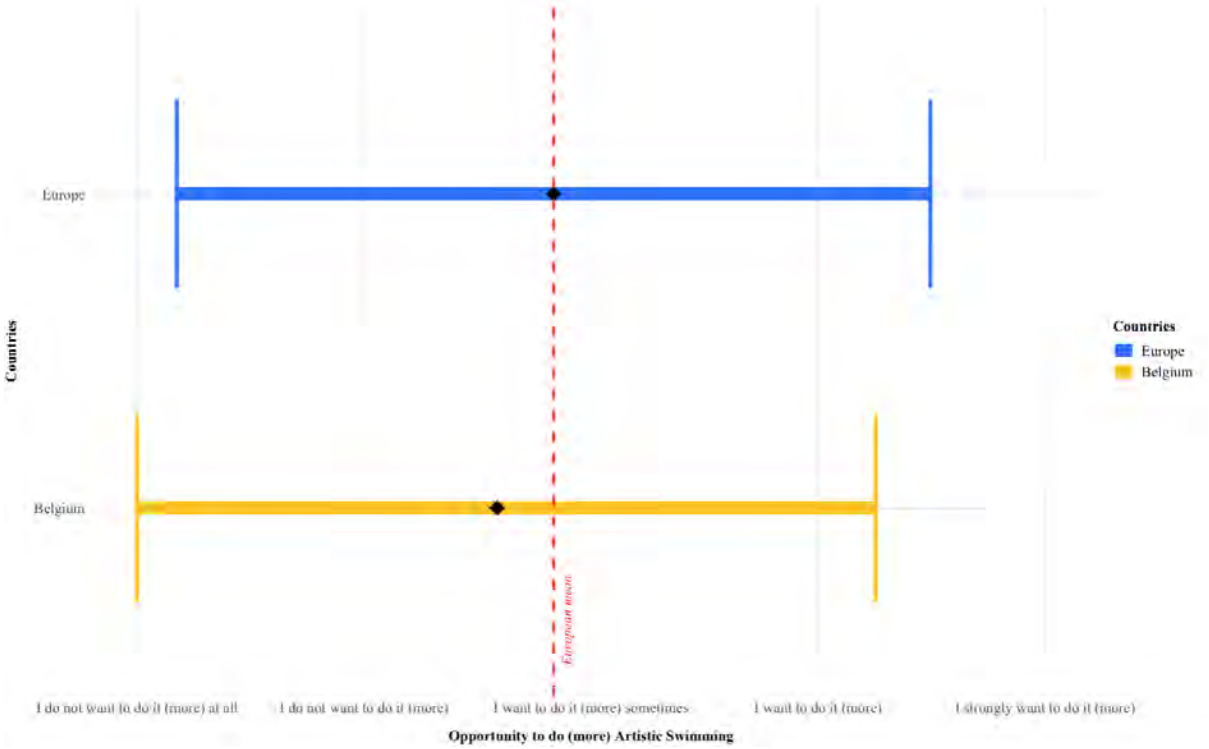


Figure 75. Distribution of the Opportunity to do (more) Artistic Swimming in Europe and in Belgium (Mean±SD).

Table 130. Comparative Analysis of the Opportunity to do (more) Artistic Swimming at School in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	562	2,361	6.6^{e-04} ***	0.12 [a]	0.73 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

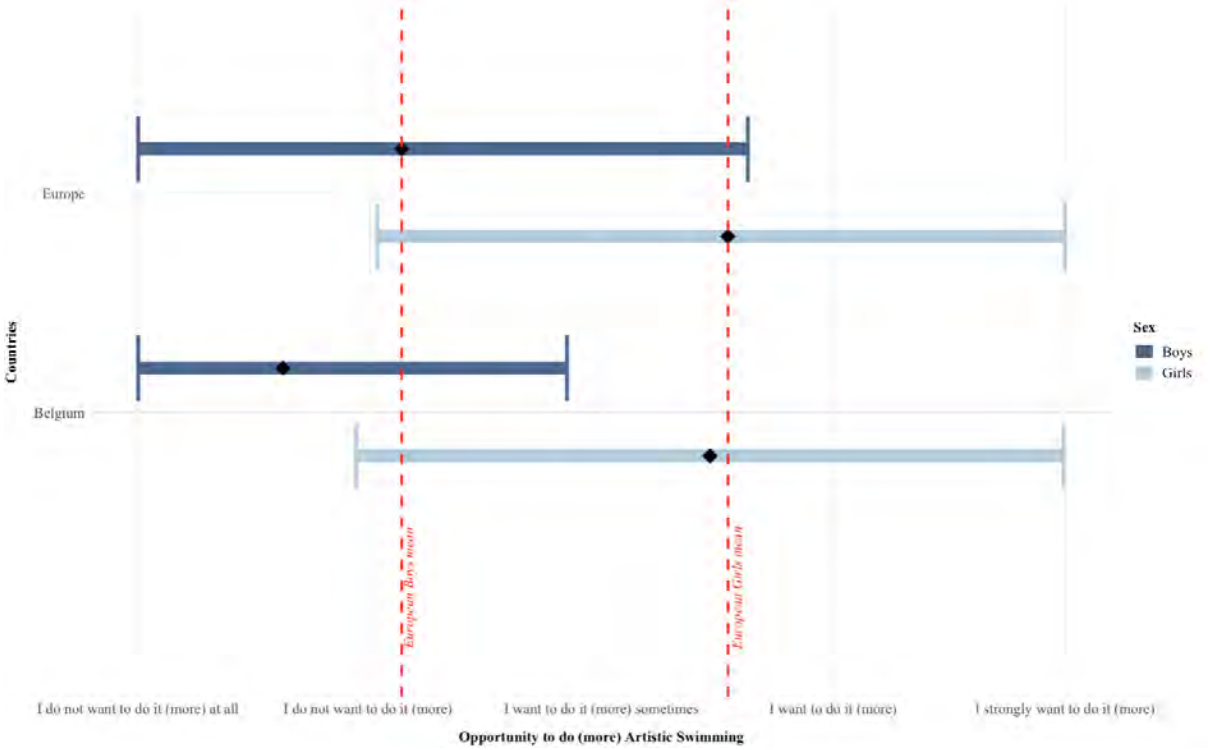


Figure 76. Distribution of the Opportunity to do (more) Artistic Swimming according to the Sex in Europe and in Belgium (Mean±SD).

Table 131. Comparative Analysis of the Opportunity to do (more) Artistic Swimming in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	269	1,193	1.7^{e-08} ***	0.13 [a]	0.97 [4]
	Girls	293	1,168	0.36	0.02 [a]	0.11 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 132. Comparative Analysis of the Opportunity to do (more) Artistic Swimming in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	269	293	1.08^{e-39}	0.52 [c]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

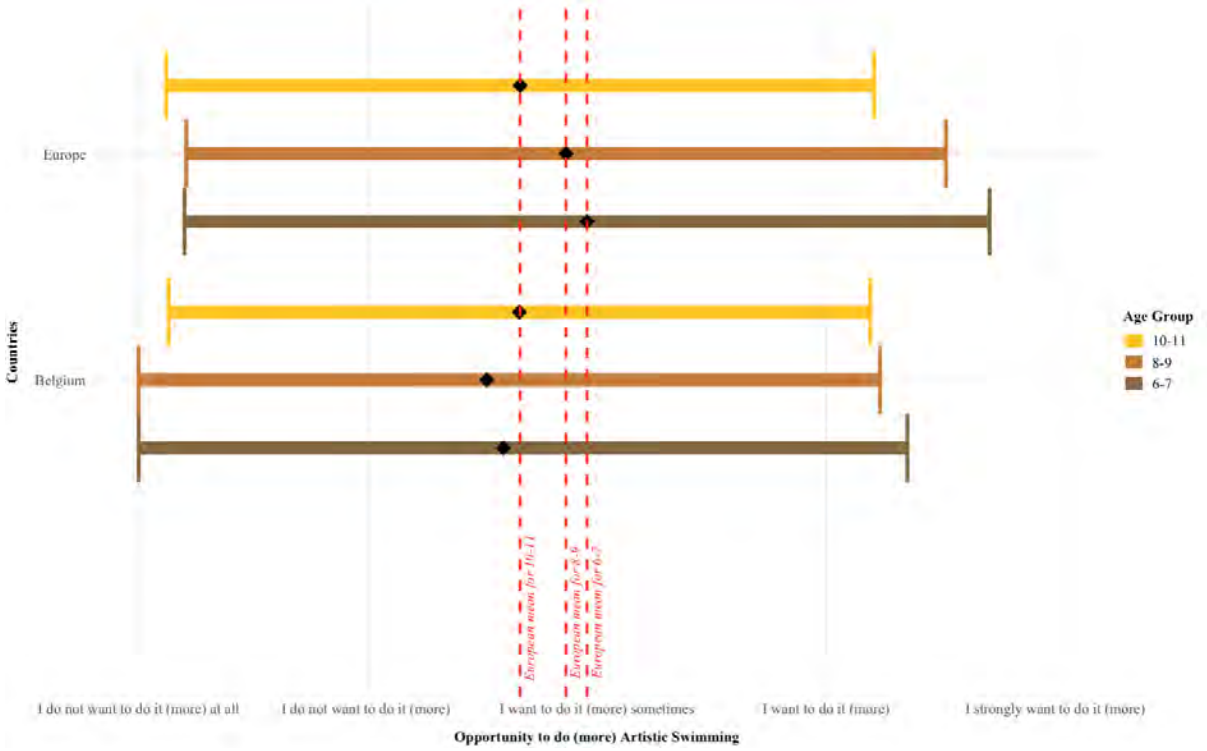


Figure 77. Distribution of the Opportunity to do (more) Artistic Swimming according to the Age Group in Europe and in Belgium (Mean±SD).

Table 133. Comparative Analysis of the Opportunity to do (more) Artistic Swimming in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	147	717	0.02 *	0.08 [a]	0.4 [1]
	8-9 yo	229	949	0.002 **	0.08 [a]	0.64 [2]
	10-11 yo	186	695	1	1^{e-04} [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 134. Comparative Analysis of the Opportunity to do (more) Artistic Swimming in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	147	229		0.58	0.03 [a]	0.08 [1]
	8-9 yo *vs* 10-11 yo		229	186	0.18	0.06 [a]	0.24 [1]
	6-7 yo *vs* 10-11 yo	147		186	0.45	0.04 [a]	0.11 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

4. Diving

Overview

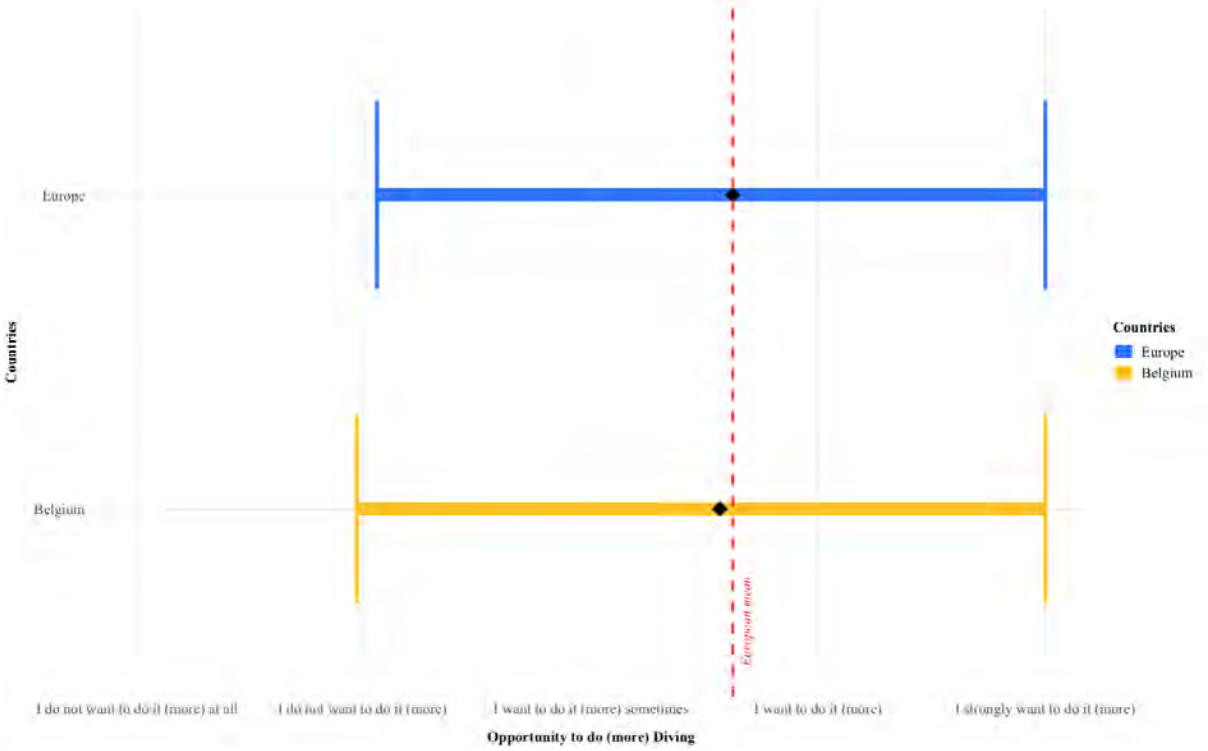


Figure 78. Distribution of the Opportunity to do (more) Diving in Europe and in Belgium (Mean±SD).

Table 135. Comparative Analysis of the Opportunity to do (more) Diving at School in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	563	2,357	0.45	0.03 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

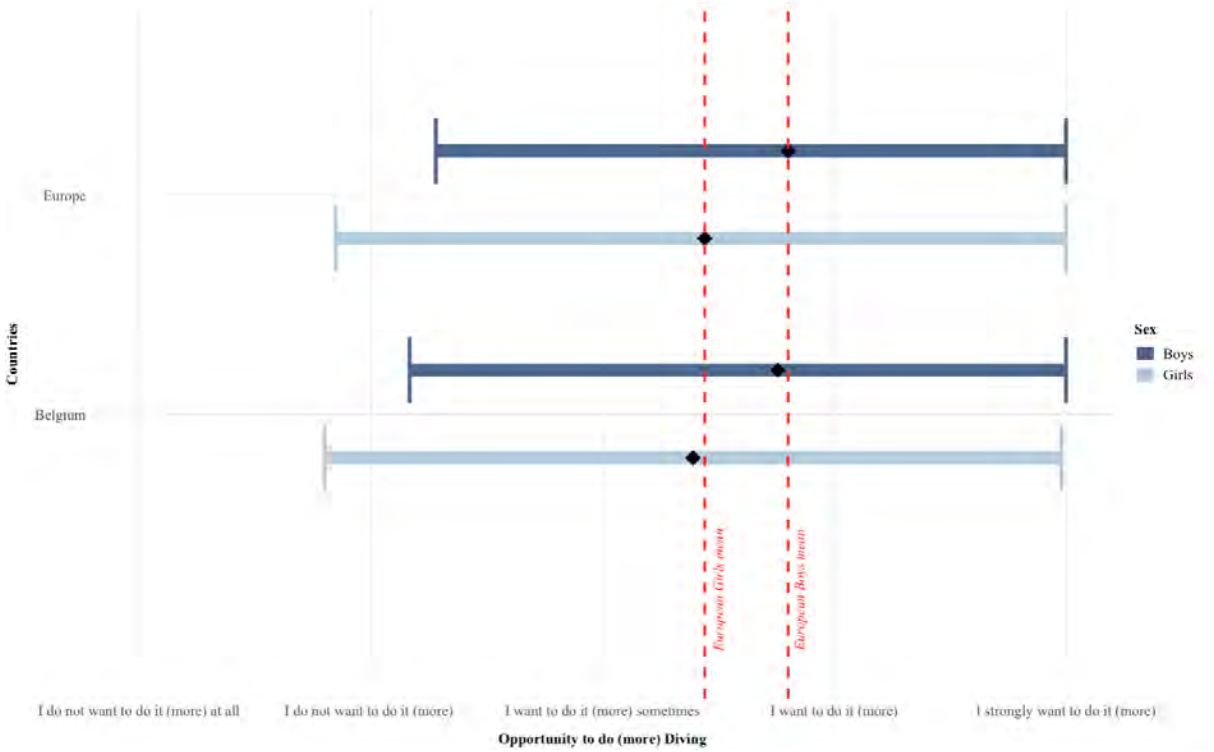


Figure 79. Distribution of the Opportunity to do (more) Diving according to the Sex in Europe and in Belgium (Mean±SD).

Table 136. Comparative Analysis of the Opportunity to do (more) Diving in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	271	1,191	0.92	0.002 [a]	0.05 [1]
	Girls	292	1,166	0.51	0.02 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 137. Comparative Analysis of the Opportunity to do (more) Diving in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	271	292	0.001 **	0.13 [a]	0.87 [3]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

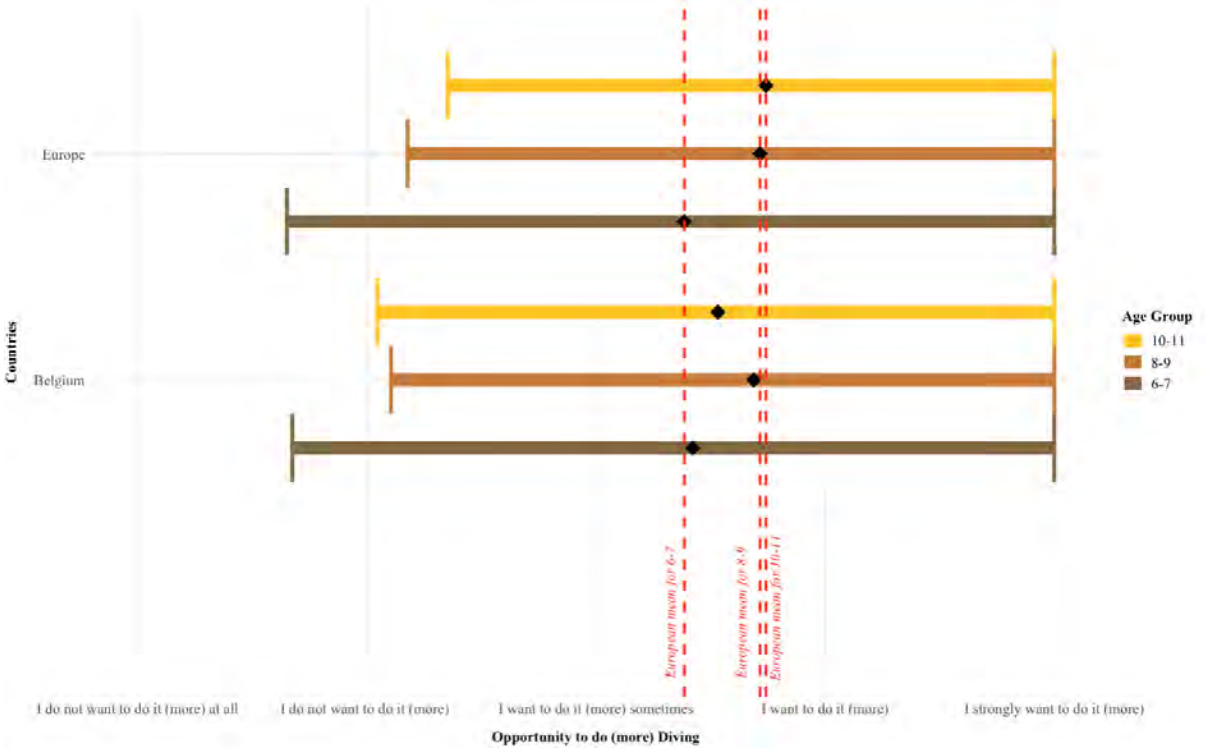


Figure 80. Distribution of the Opportunity to do (more) Diving according to the Age Group in Europe and in Belgium (Mean±SD).

Table 138. Comparative Analysis of the Opportunity to do (more) Diving in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	149	717	0.77	0.009 [a]	0.05 [1]
	8-9 yo	228	947	0.95	0.001 [a]	0.05 [1]
	10-11 yo	186	693	0.08	0.06 [a]	0.28 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 139. Comparative Analysis of the Opportunity to do (more) Diving in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	149	228		0.23	0.06 [a]	0.19 [1]
	8-9 yo *vs* 10-11 yo		228	186	0.09	0.08 [a]	0.36 [1]
	6-7 yo *vs* 10-11 yo	149		186	0.85	0.01 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

5. Water sport 1

Overview

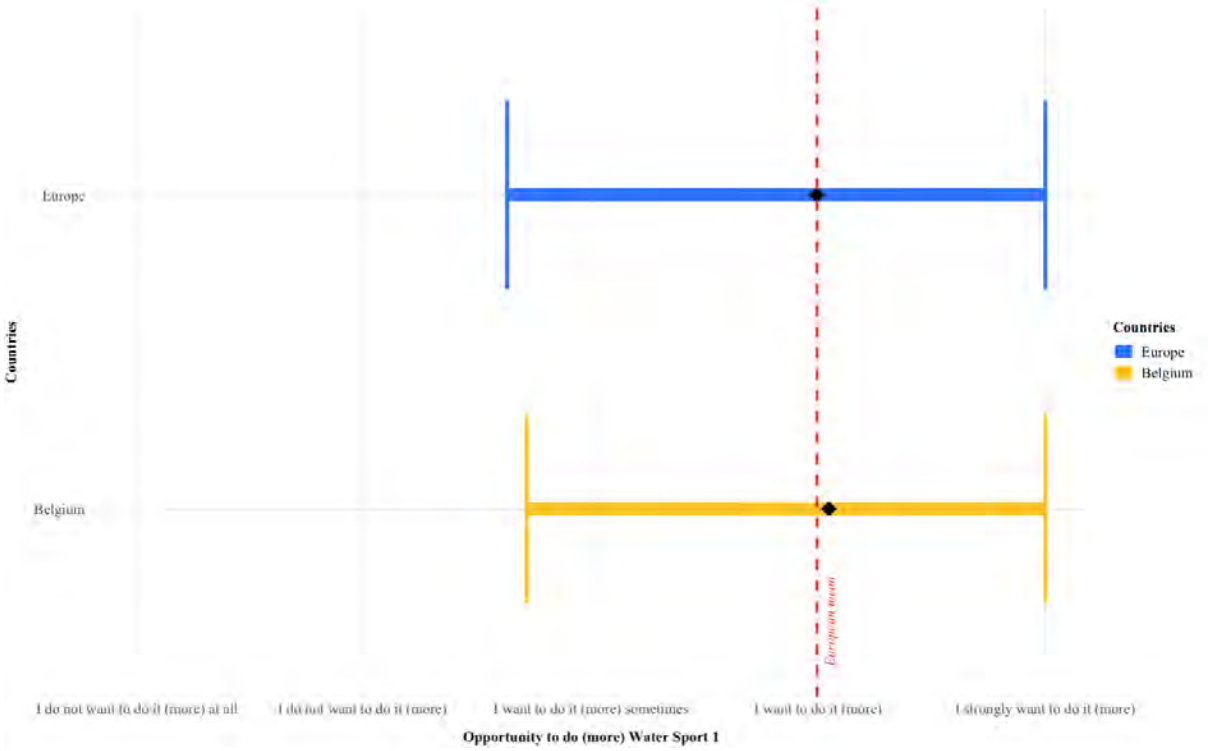


Figure 81. Distribution of the Opportunity to do (more) Water Sport 1 in Europe and in Belgium (Mean±SD).

Table 140. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	558	2,364	0.45	0.02 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

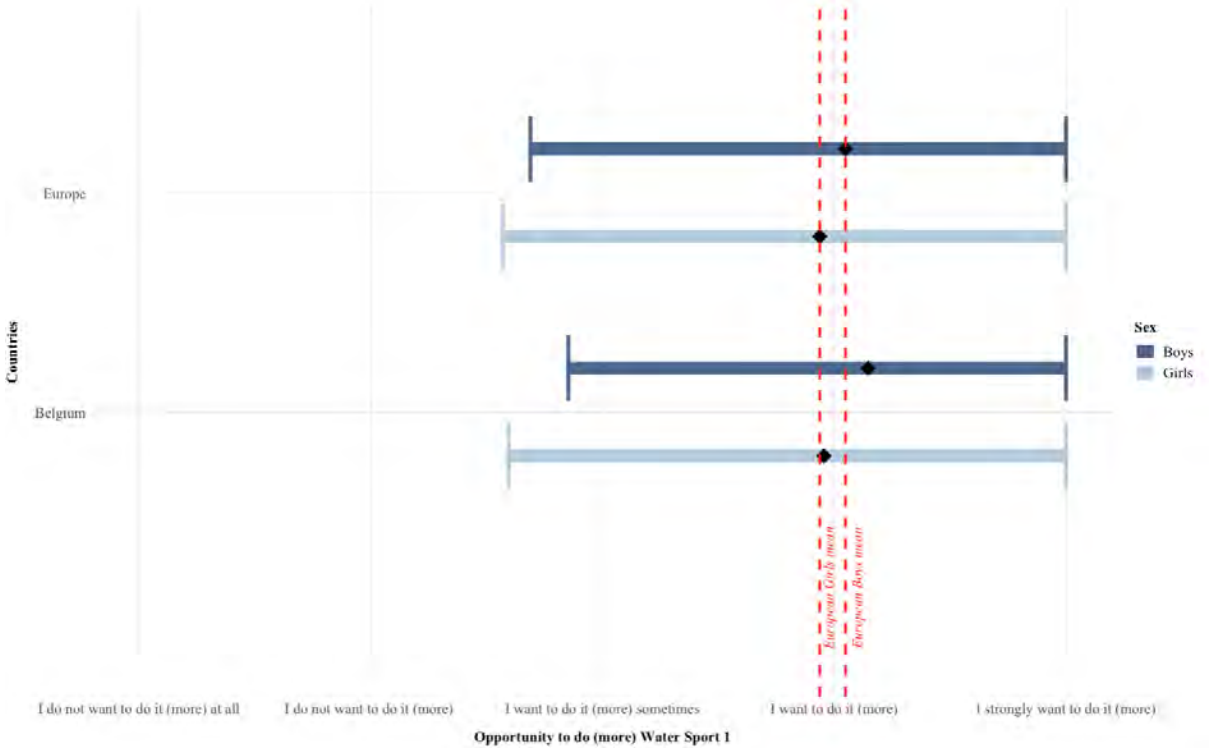


Figure 82. Distribution of the Opportunity to do (more) Water Sport 1according to the Sex in Europe and in Belgium (Mean±SD).

Table 141. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	267	1,199	0.37	0.02 [a]	0.09 [1]
	Girls	291	1,165	0.8	0.006 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 142. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	267	291	0.06	0.07[a]	0.39 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

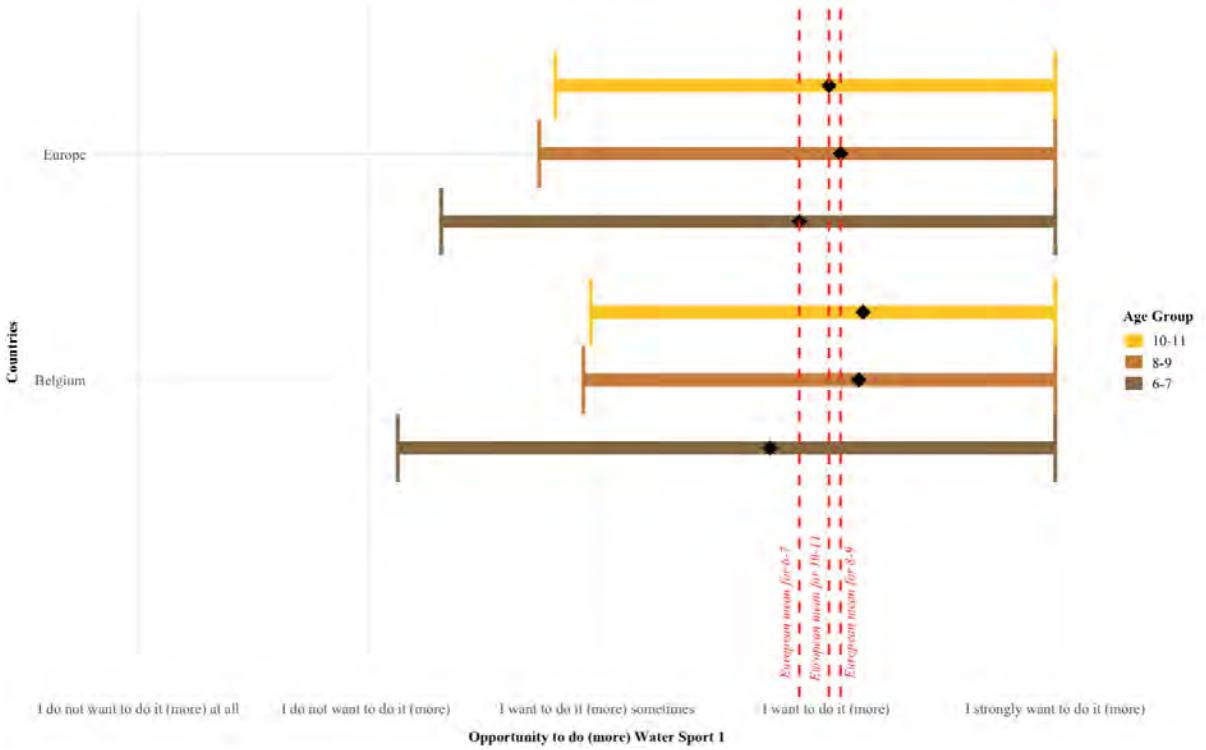


Figure 83. Distribution of the Opportunity to do (more) Water Sport 1according to the Age Group in Europe and in Belgium (Mean±SD).

Table 143. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	147	719	0.28	0.03 [a]	0.11 [1]
	8-9 yo	225	951	0.72	0.009 [a]	0.06 [1]
	10-11 yo	186	694	0.04 *	0.06 [a]	0.34 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 144. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	147	225		0.12	0.07 [a]	0.28 [1]
	8-9 yo *vs* 10-11 yo		225	186	0.9	0.005 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	147		186	0.12	0.08 [a]	0.29 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

6. Water sport 2

Overview

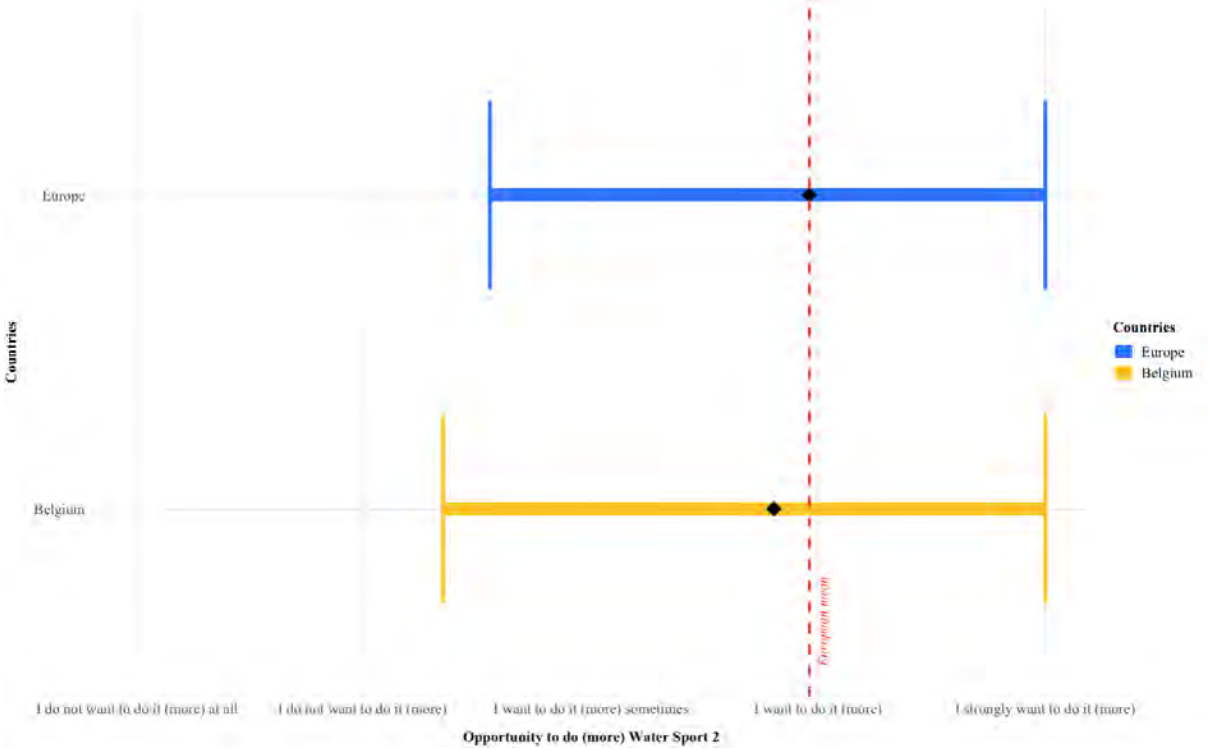


Figure 84. Distribution of the Opportunity to do (more) Water Sport 2 in Europe and in Belgium (Mean±SD).

Table 145. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	559	2,361	0.01 *	0.04 [a]	0.45 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

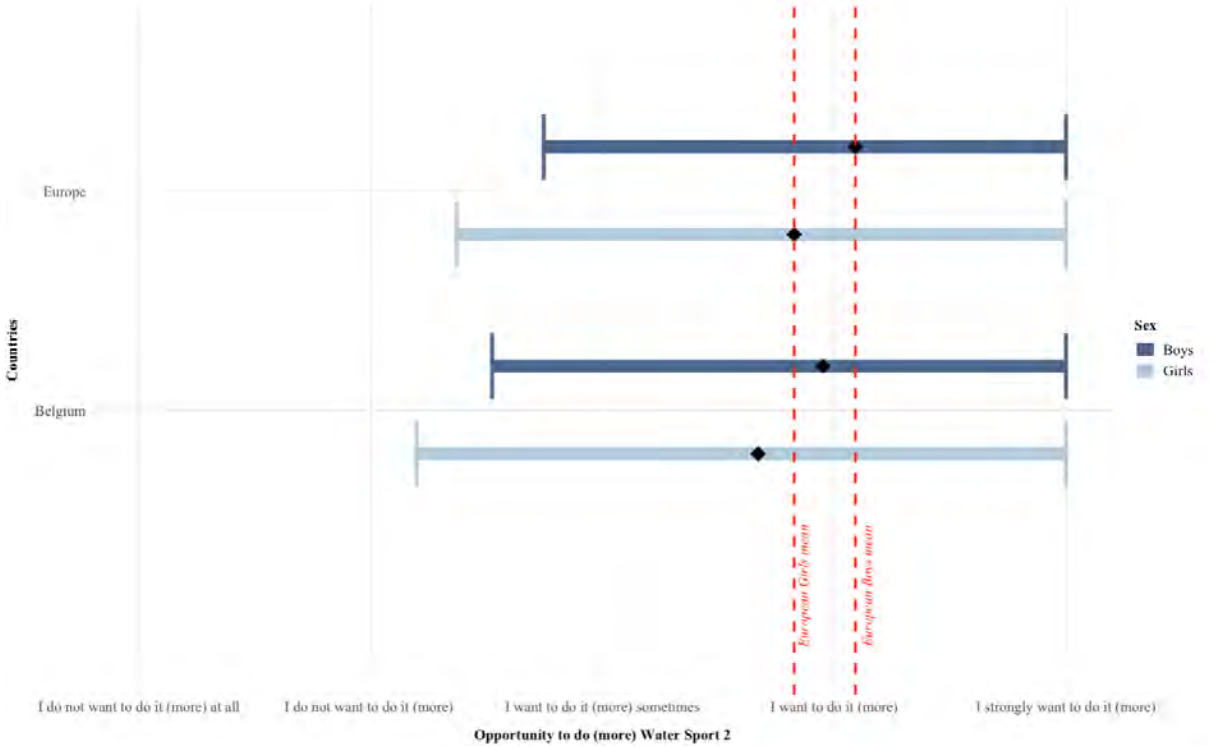


Figure 85. Distribution of the Opportunity to do (more) Water Sport 2 according to the Sex in Europe and in Belgium (Mean±SD).

Table 146. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	Boys	267	1,194	0.16	0.03 [a]	0.16 [1]
	Girls	292	1,167	0.05	0.05 [a]	0.31 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 147. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	Boys *vs* Girls	267	292	0.006 **	0.11 [a]	0.72 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

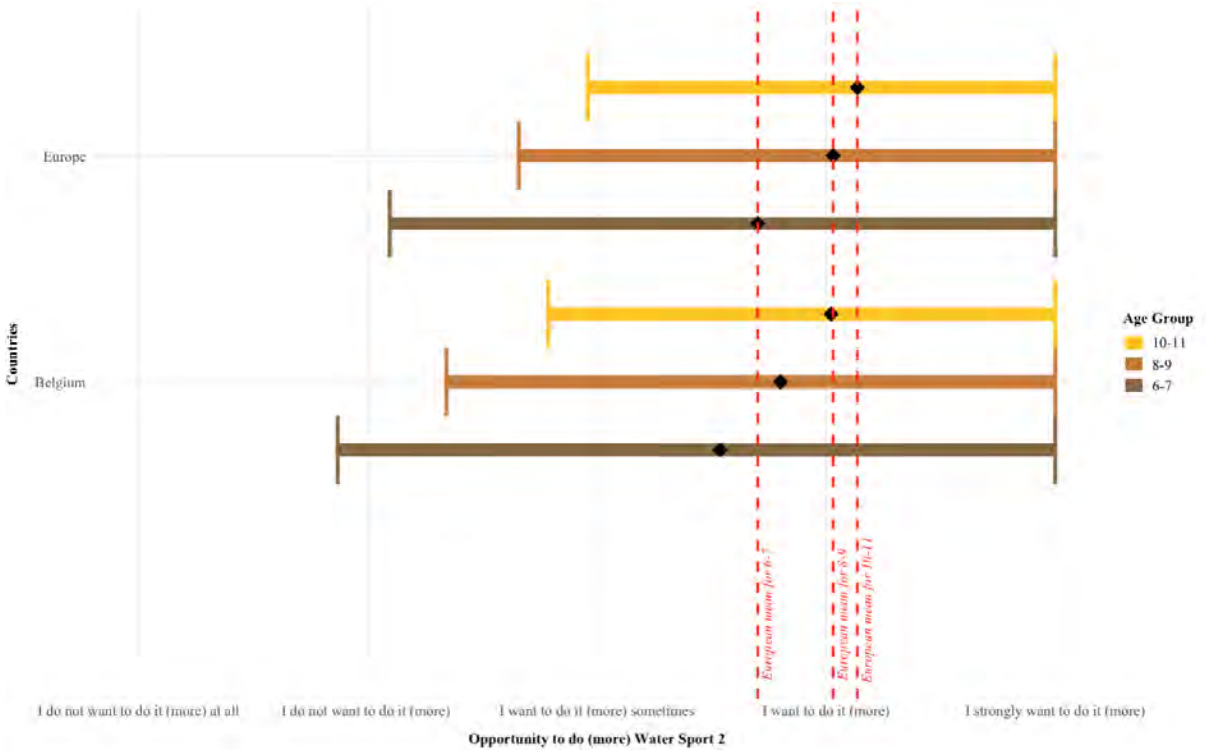


Figure 86. Distribution of the Opportunity to do (more) Water Sport 2 according to the Age Group in Europe and in Belgium (Mean±SD).

Table 148. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	147	724	0.34	0.03 [a]	0.1 [1]
	8-9 yo	226	948	0.01 *	0.06 [a]	0.41 [1]
	10-11 yo	186	689	0.22	0.04 [a]	0.15 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 149. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	147	226		0.33	0.05 [a]	0.14 [1]
	8-9 yo *vs* 10-11 yo		226	186	0.32	0.04 [a]	0.15 [1]
	6-7 yo *vs* 10-11 yo	147		186	0.07	0.09 [a]	0.39 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

7. Water sport 3

Overview

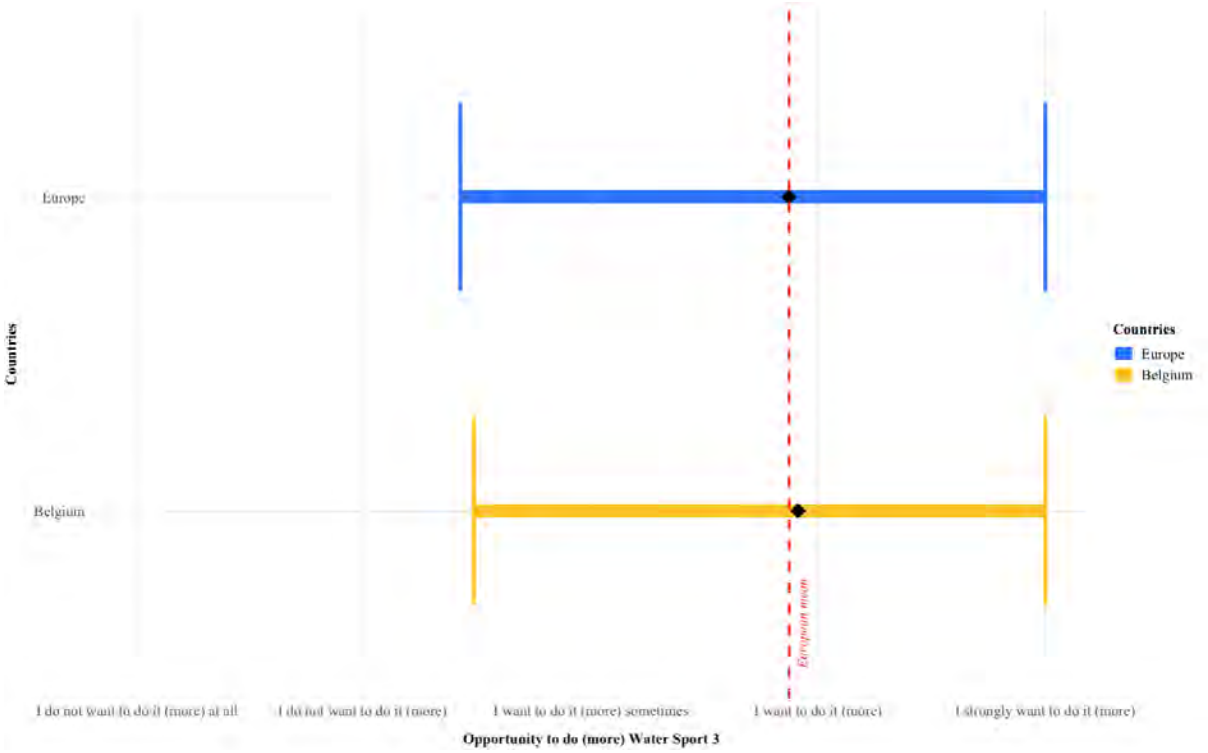


Figure 87. Distribution of the Opportunity to do (more) Water Sport 3 in Europe and in Belgium (Mean±SD).

Table 150. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	561	2,355	0.6	0.02 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

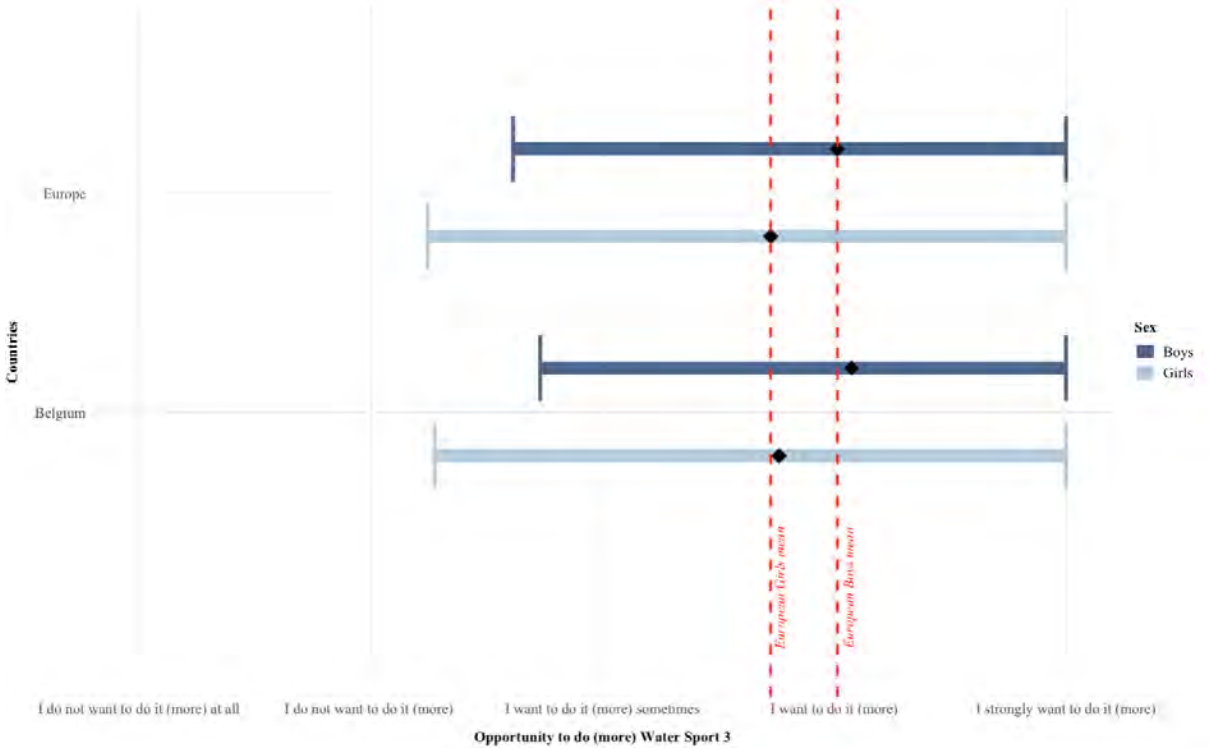


Figure 88. Distribution of the Opportunity to do (more) Water Sport 3 according to the Sex in Europe and in Belgium (Mean±SD).

Table 151. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	Boys	267	1,189	0.62	0.01 [a]	0.06 [1]
	Girls	294	1,166	0.67	0.01 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 152. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	Boys *vs* Girls	267	294	0.008 **	0.1 [a]	0.69 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

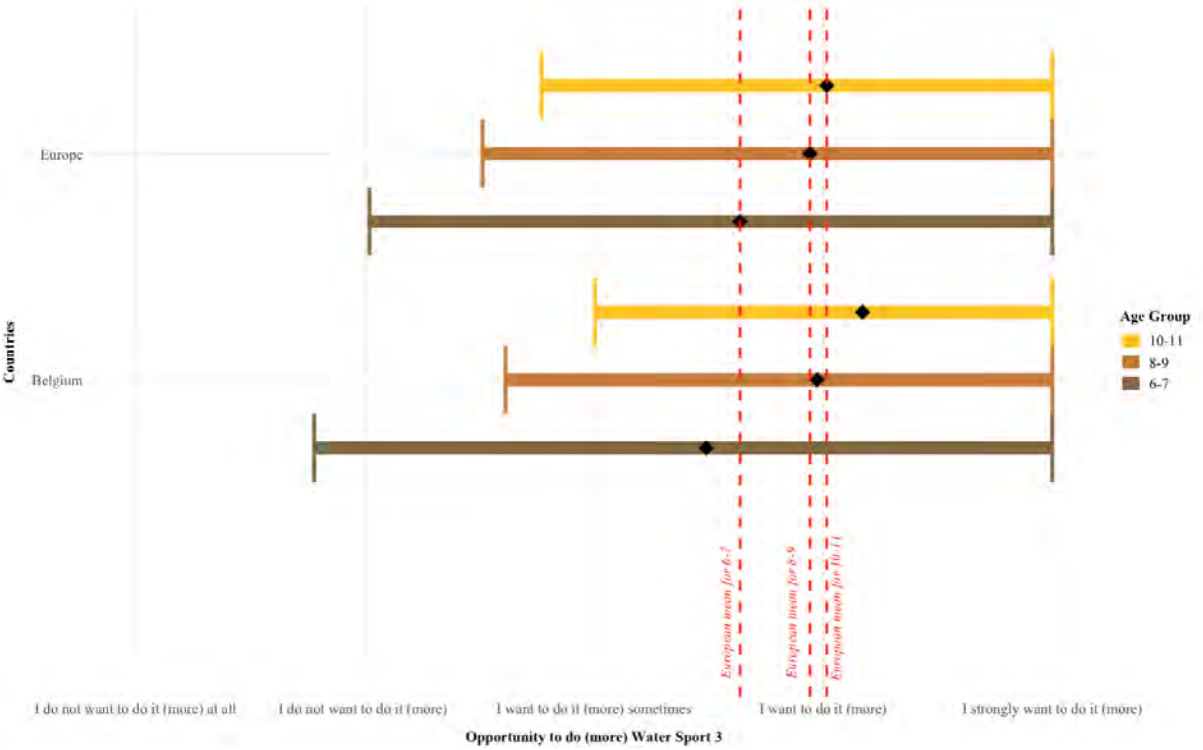


Figure 89. Distribution of the Opportunity to do (more) Water Sport 3 according to the Age Group in Europe and in Belgium (Mean±SD).

Table 153. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	149	720	0.35	0.03 [a]	0.1 [1]
	8-9 yo	226	940	0.92	0.003 [a]	0.05 [1]
	10-11 yo	186	695	0.09	0.05 [a]	0.24 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 154. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	149	226		0.02 *	0.11 [a]	0.56 [2]
	8-9 yo *vs* 10-11 yo		226	186	0.24	0.05 [a]	0.18 [1]
	6-7 yo *vs* 10-11 yo	149		186	0.001 **	0.16 [a]	0.85 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

8. Water sport 4

Overview

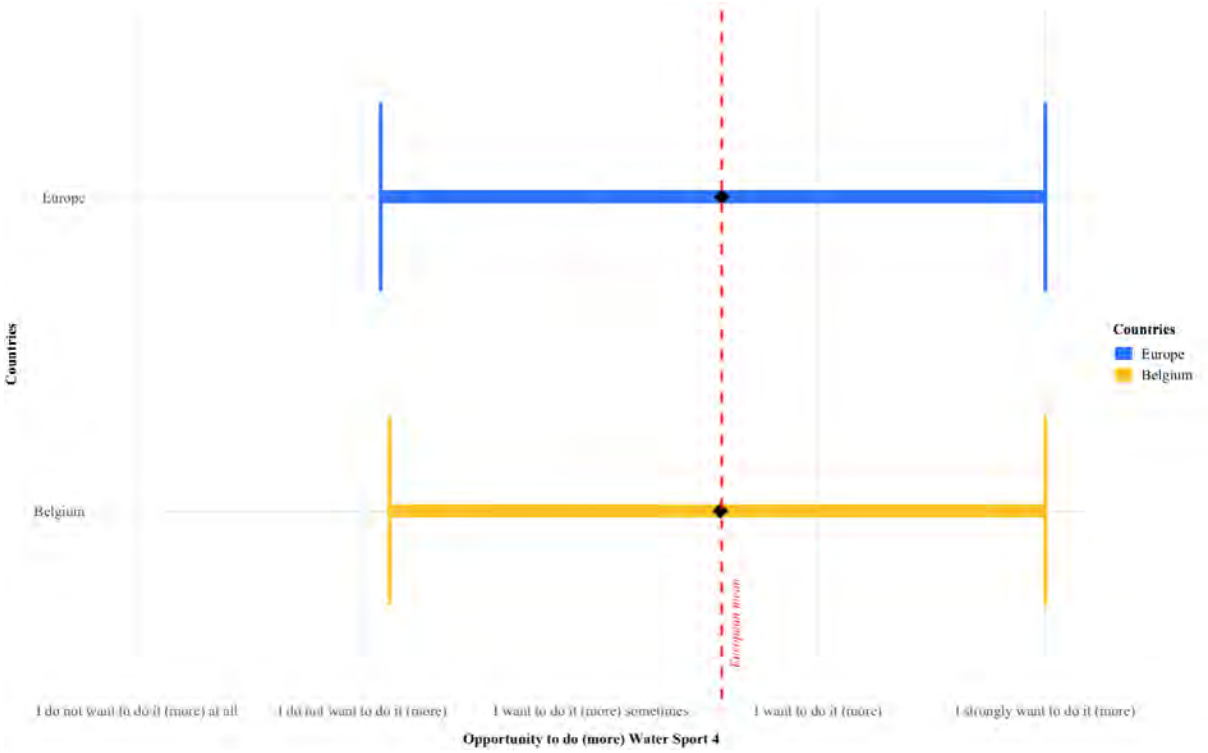


Figure 90. Distribution of the Opportunity to do (more) Water Sport 4 in Europe and in Belgium (Mean±SD).

Table 155. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	559	2,367	0.66	0.002 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

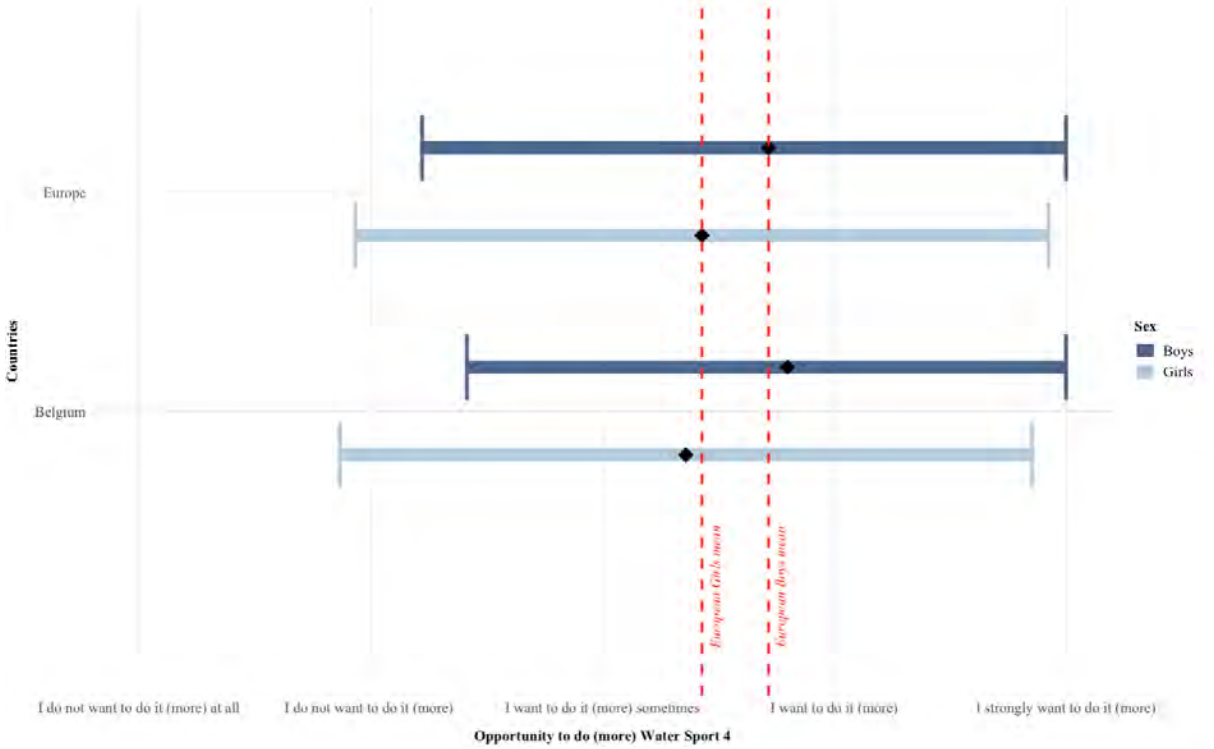


Figure 91. Distribution of the Opportunity to do (more) Water Sport 4 according to the Sex in Europe and in Belgium (Mean±SD).

Table 156. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	Boys	267	1,199	0.8	0.006 [a]	0.05 [1]
	Girls	292	1,168	0.44	0.02 [a]	0.09 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 157. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	Boys *vs* Girls	267	292	3.4^{e-04} ***	0.14 [a]	0.93 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

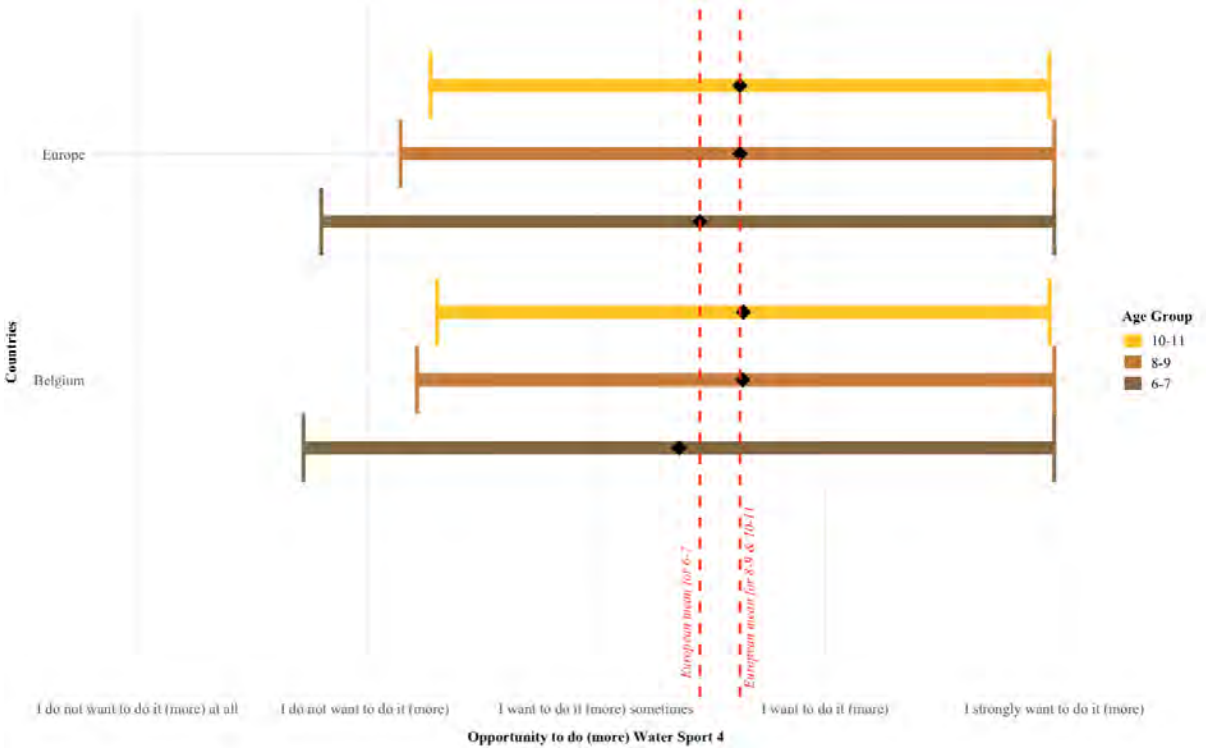


Figure 92. Distribution of the Opportunity to do (more) Water Sport 4 according to the Age Group in Europe and in Belgium (Mean±SD).

Table 158. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	146	732	0.49	0.02 [a]	0.08 [1]
	8-9 yo	228	944	0.84	0.005 [a]	0.05 [1]
	10-11 yo	185	691	0.94	0.002 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 159. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	146	228		0.21	0.06 [a]	0.22 [1]
	8-9 yo *vs* 10-11 yo		228	185	0.77	0.01 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	146		185	0.3	0.05 [a]	0.17 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

g. Risk perceptions

1. Low risks in the swimming pool

Overview

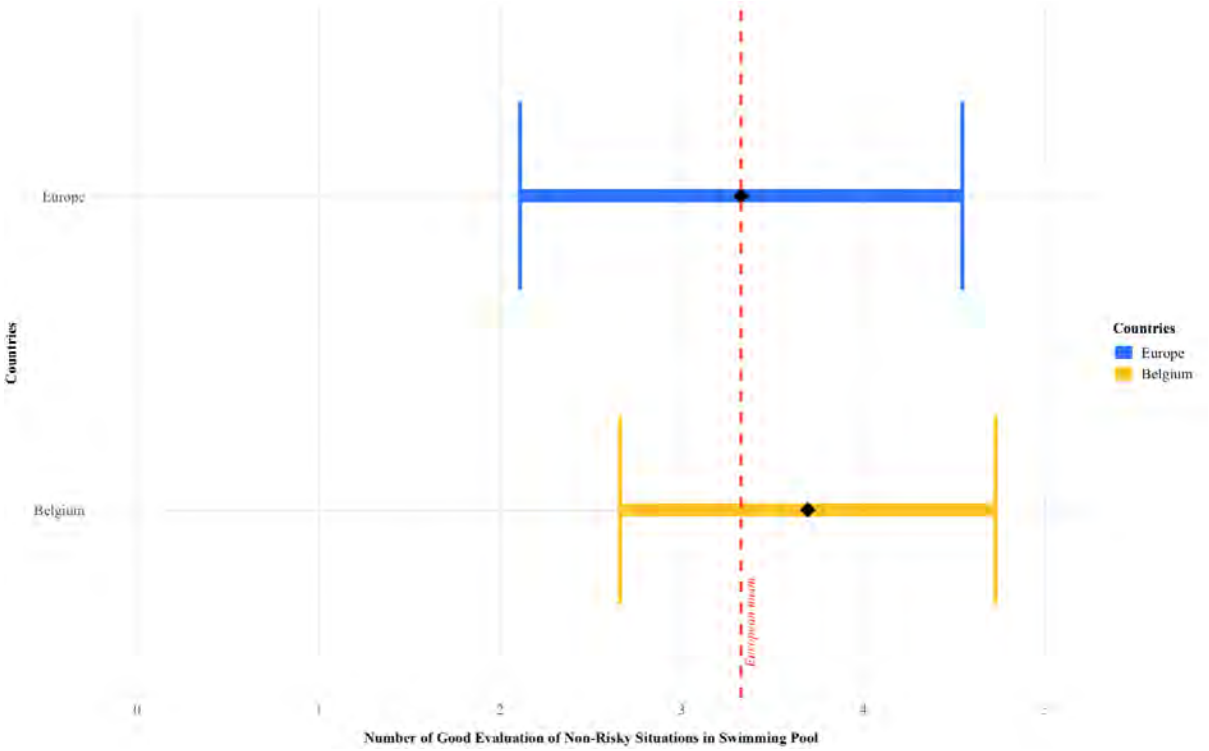


Figure 93. Distribution of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Europe and in Belgium (Mean±SD).

Table 160. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	565	2,423	2.15^{e-10} ***	0.23 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

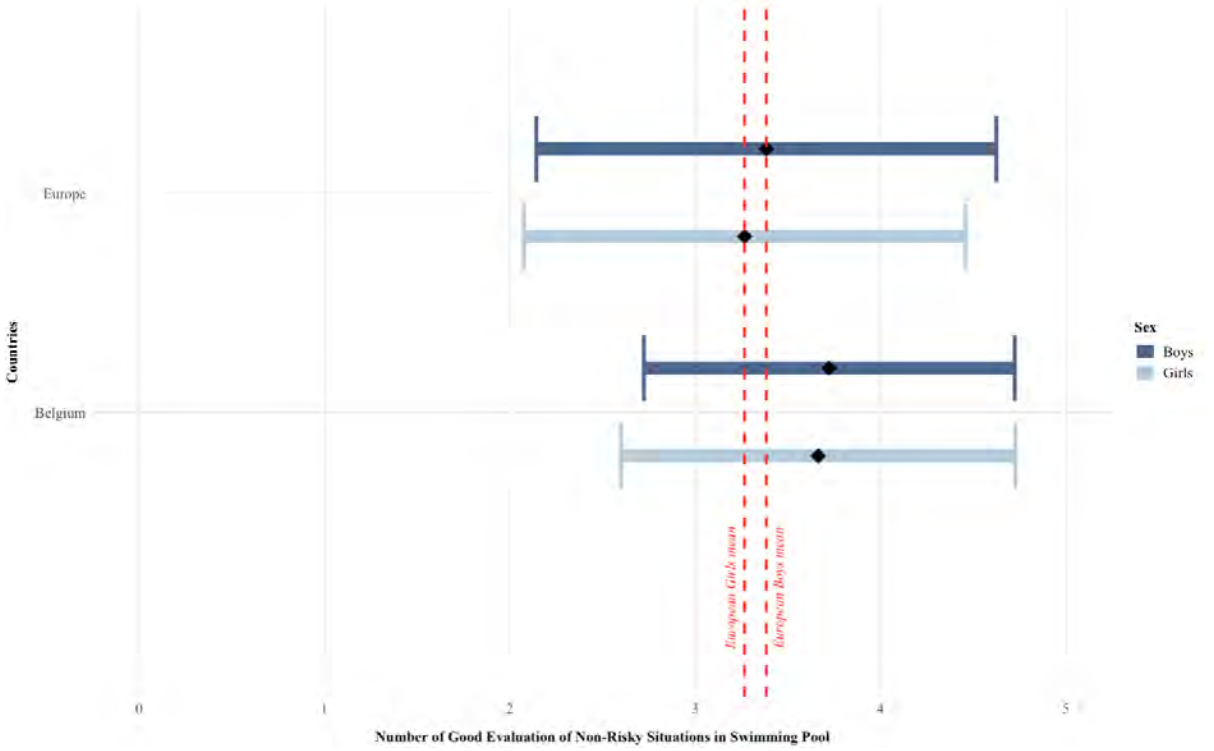


Figure 94. Distribution of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool according to the Sex in Europe and in Belgium (Mean±SD).

Table 161. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	271	1,226	1.59^{e-04} ***	0.09 [a]	0.81 [3]
	Girls	294	1,197	1.43^{e-07} ***	0.13 [a]	0.98 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 162. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	271	294	0.64	0.02 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

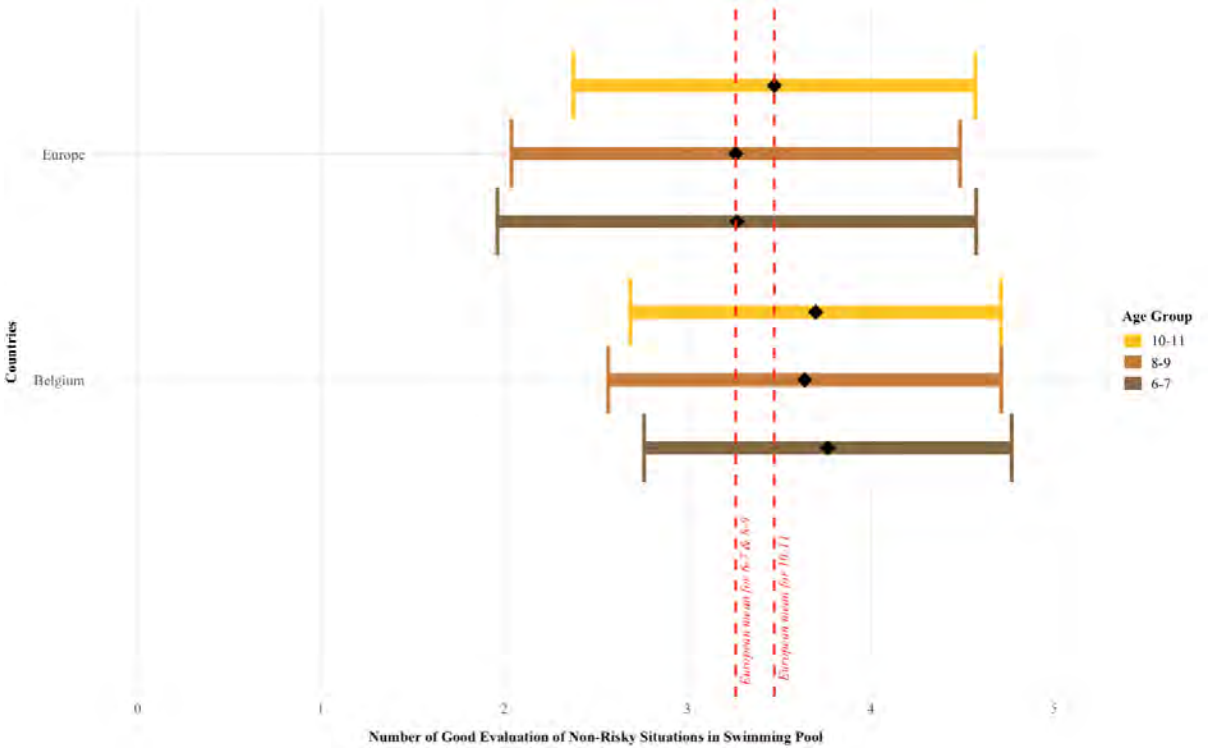


Figure 95. Distribution of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool according to the Age Group in Europe and in Belgium (Mean±SD).

Table 163. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	**Age Group**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* **Europe**	6-7 yo	149	750	2^{e-05} ***	0.14 [a]	0.87 [3]
	8-9 yo	230	967	3.04^{e-05} ***	0.12 [a]	0.89 [3]
	10-11 yo	186	706	0.02 *	0.08 [a]	0.46 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 164. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	**Age Group**	**n** (6-7 yo)	**n** (8-9 yo)	**n** (10-11 yo)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	6-7 yo *vs* 8-9 yo	149	230		0.3	0.05 [a]	0.16 [1]
	8-9 yo *vs* 10-11 yo		230	186	0.68	0.02 [a]	0.07 [1]
	6-7 yo *vs* 10-11 yo	149		186	0.51	0.03 [a]	0.09 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

2. High risks in the swimming pool

Overview

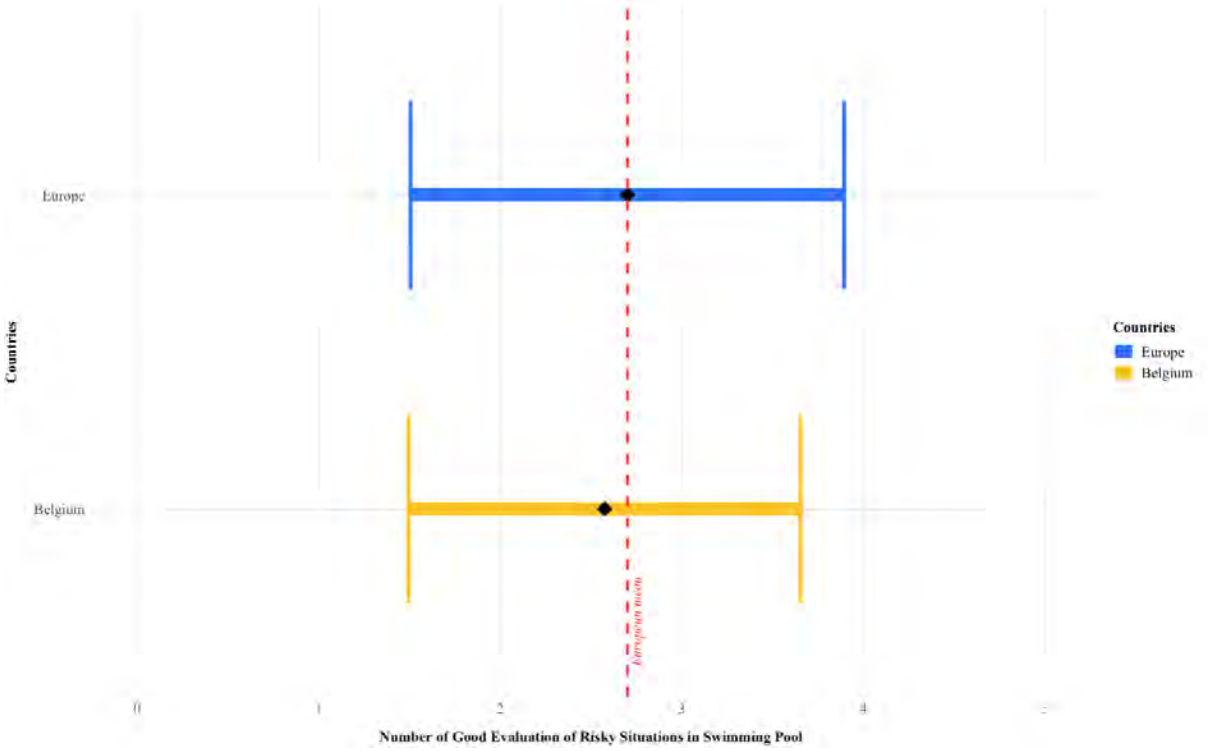


Figure 96. Distribution of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Europe and in Belgium (Mean±SD).

Table 165. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	565	2,420	0.006 **	0.1 [a]	0.55 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

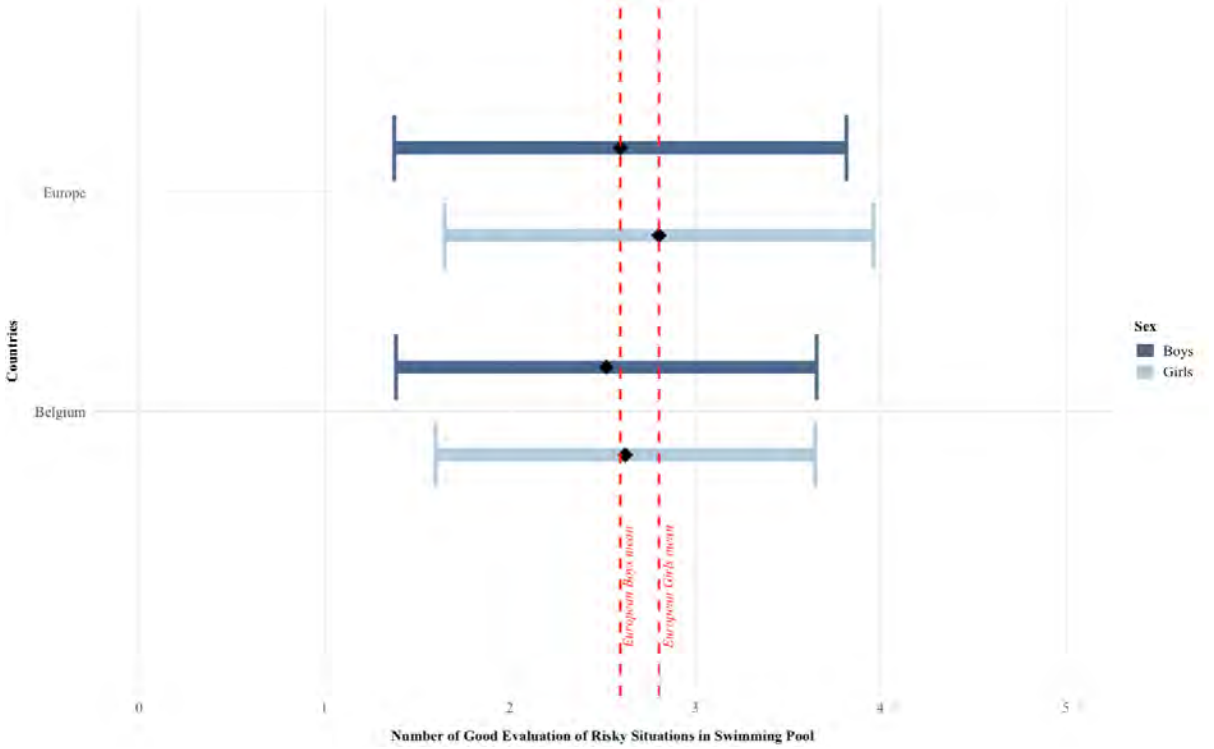


Figure 97. Distribution of the Number of Good Evaluation of Risky Situations in the Swimming Pool according to the Sex in Europe and in Belgium (Mean±SD).

Table 166. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	271	1,225	0.29	0.03 [a]	0.12 [1]
	Girls	294	1,195	0.003 **	0.07 [a]	0.63 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 167. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	271	294	0.42	0.03 [a]	0.11 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

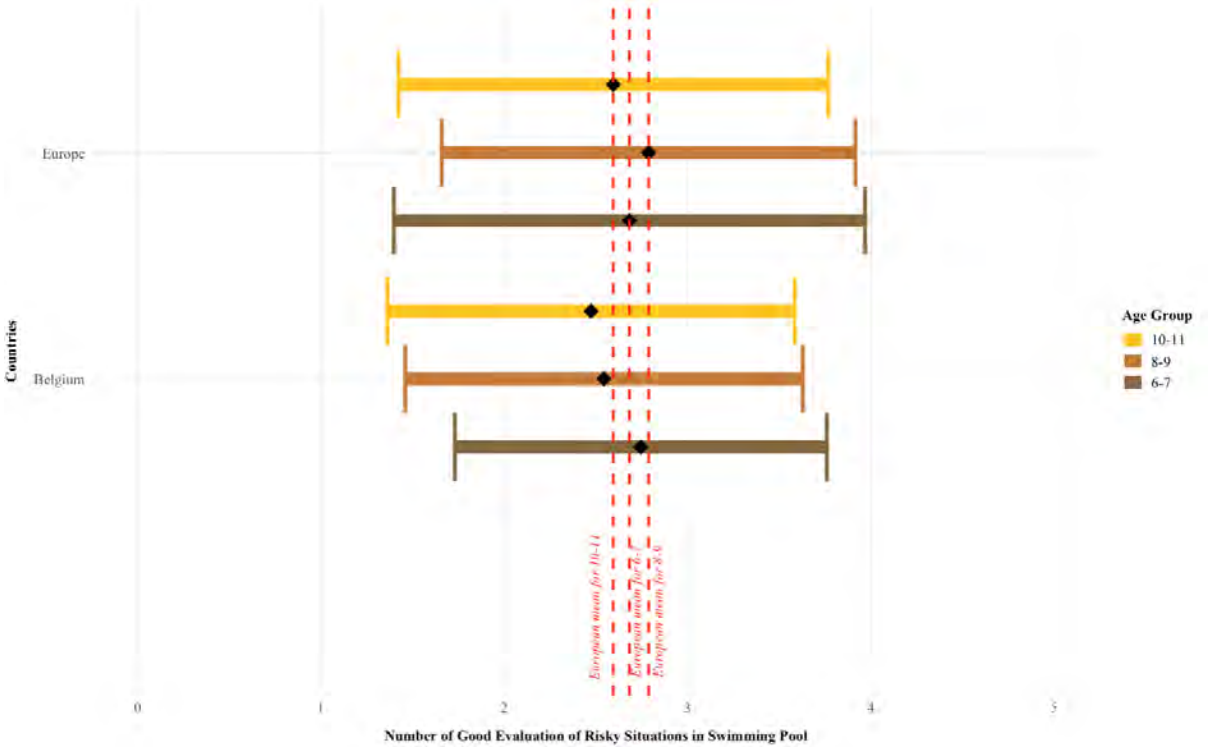


Figure 98. Distribution of the Number of Good Evaluation of Risky Situations in the Swimming Pool according to the Age Group in Europe and in Belgium (Mean±SD).

Table 168. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	149	747	0.9	0.004 [a]	0.05 [1]
	8-9 yo	230	967	0.02 **	0.08 [a]	0.65 [2]
	10-11 yo	186	706	0.14	0.04 [a]	0.21 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 169. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	149	230		0.1	0.08 [a]	0.33 [1]
	8-9 yo *vs* 10-11 yo		230	186	0.6	0.02 [a]	0.08 [1]
	6-7 yo *vs* 10-11 yo	149		186	0.04 *	0.1 [a]	0.48 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

3. Low risks in open water

Overview

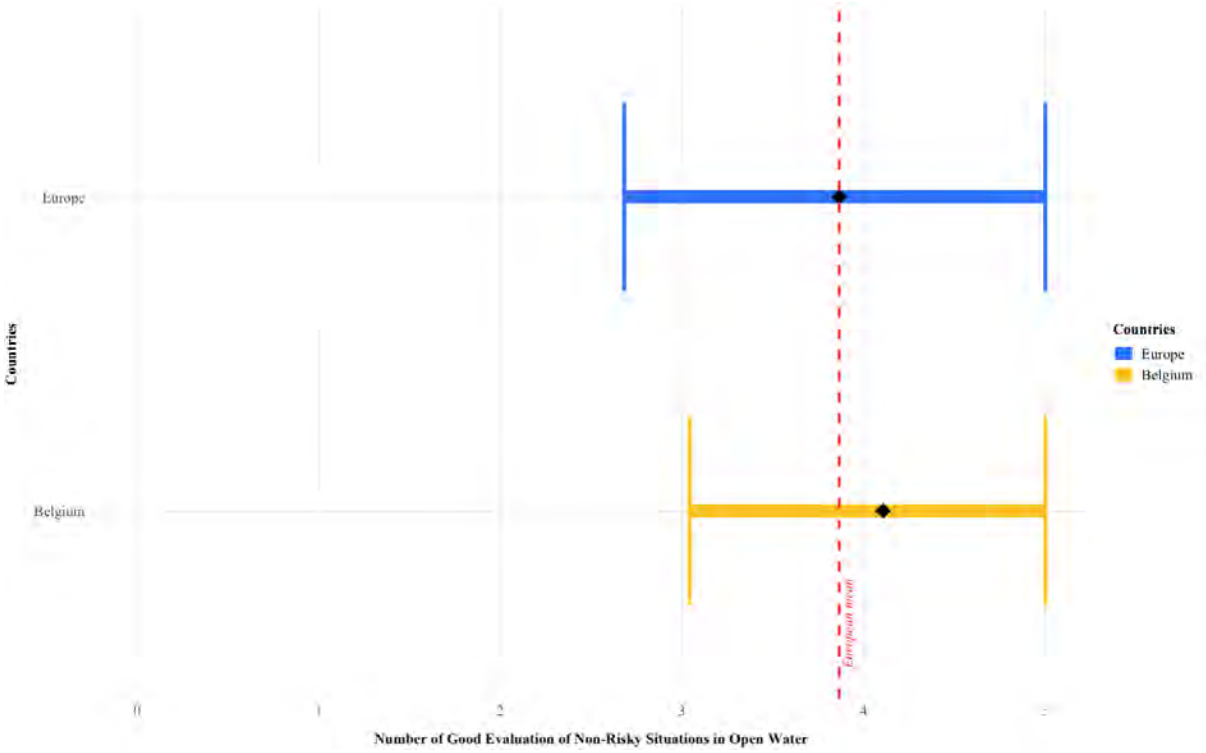


Figure 99. Distribution of the Number of Good Evaluation of Non-Risky Situations in Open Water in Europe and in Belgium (Mean±SD).

Table 170. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	565	2,415	8.52^{e-06} ***	0.08 [a]	0.91 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

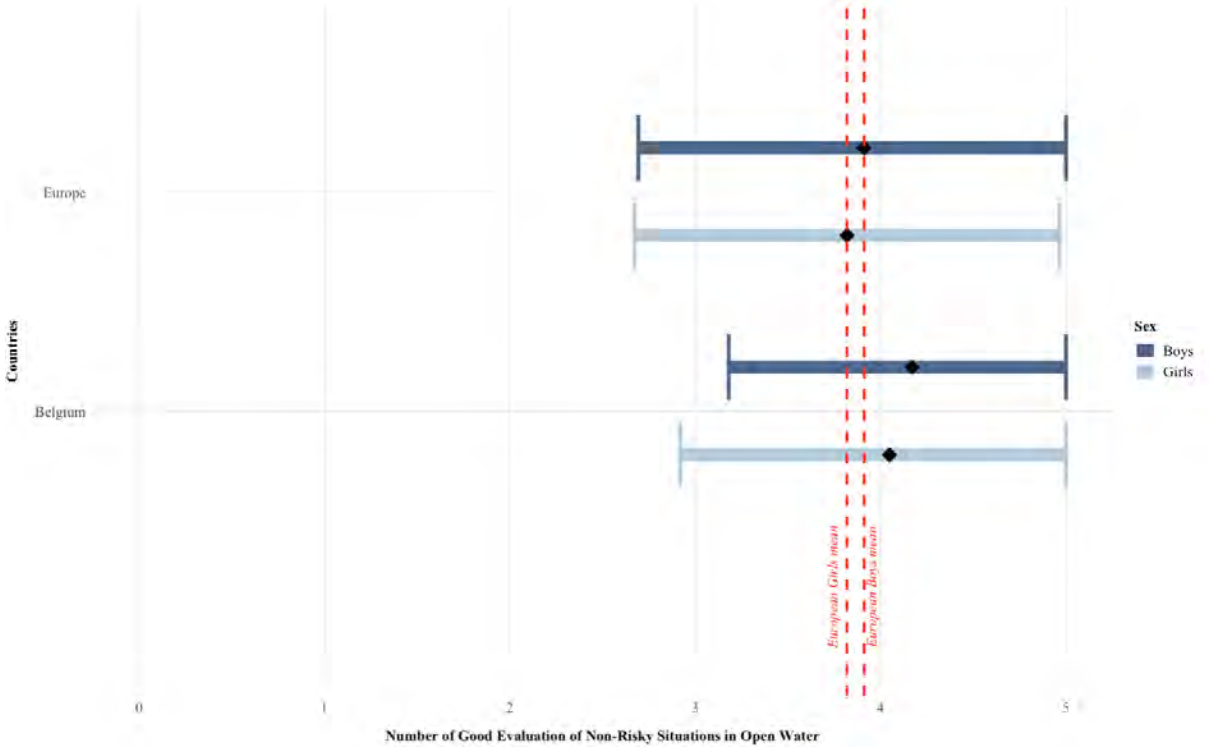


Figure 100. Distribution of the Number of Good Evaluation of Non-Risky Situations in Open Water according to the Sex in Europe and in Belgium (Mean±SD).

Table 171. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	271	1,223	0.006 **	0.07 [a]	0.52 [2]
	Girls	294	1,192	3.6^{e-04} ***	0.09 [a]	0.78 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 172. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	271	294	0.34	0.04 [a]	0.14 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

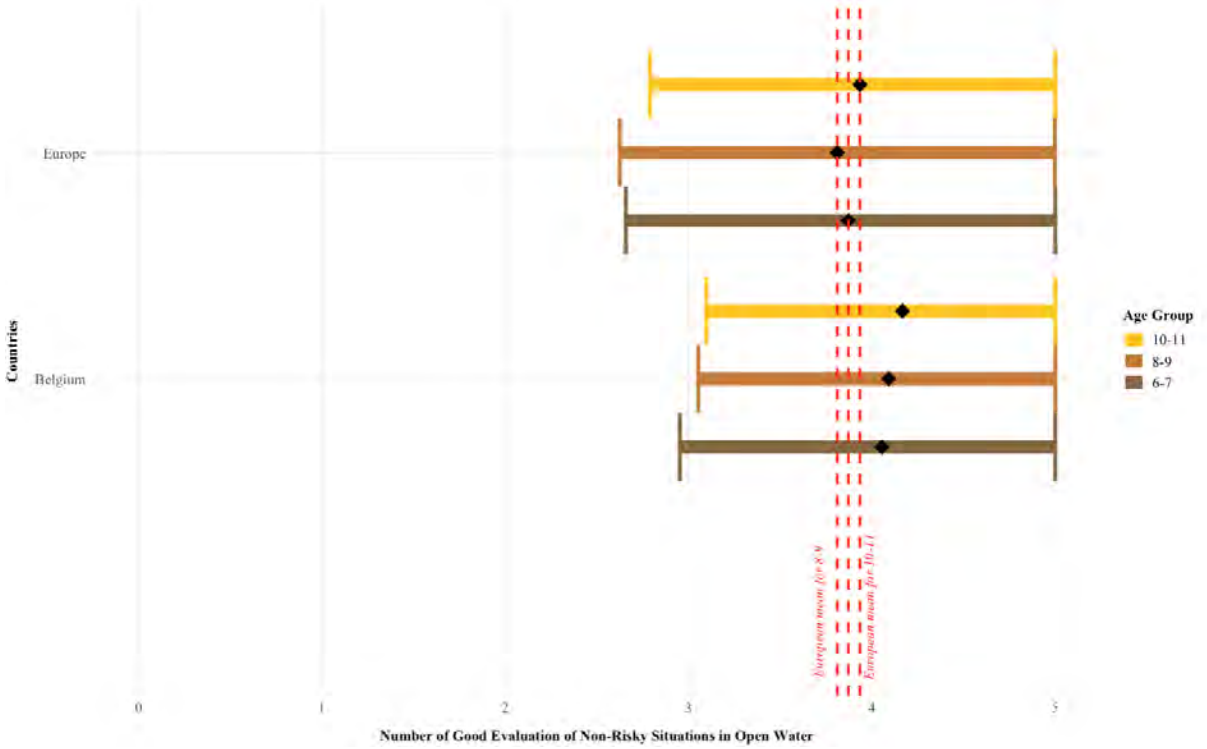


Figure 101. Distribution of the Number of Good Evaluation of Non-Risky Situations in Open Water according to the Age Group in Europe and in Belgium (Mean±SD).

Table 173. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	149	745	0.11	0.05 [a]	0.21 [1]
	8-9 yo	230	967	0.001 **	0.09 [a]	0.68 [2]
	10-11 yo	186	703	0.006 **	0.09 [a]	0.56 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 174. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	149	230		0.89	0.007 [a]	0.05 [1]
	8-9 yo *vs* 10-11 yo		230	186	0.28	0.05 [a]	0.17 [1]
	6-7 yo *vs* 10-11 yo	149		186	0.29	0.05 [a]	0.16 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

4. High risks in open water

Overview

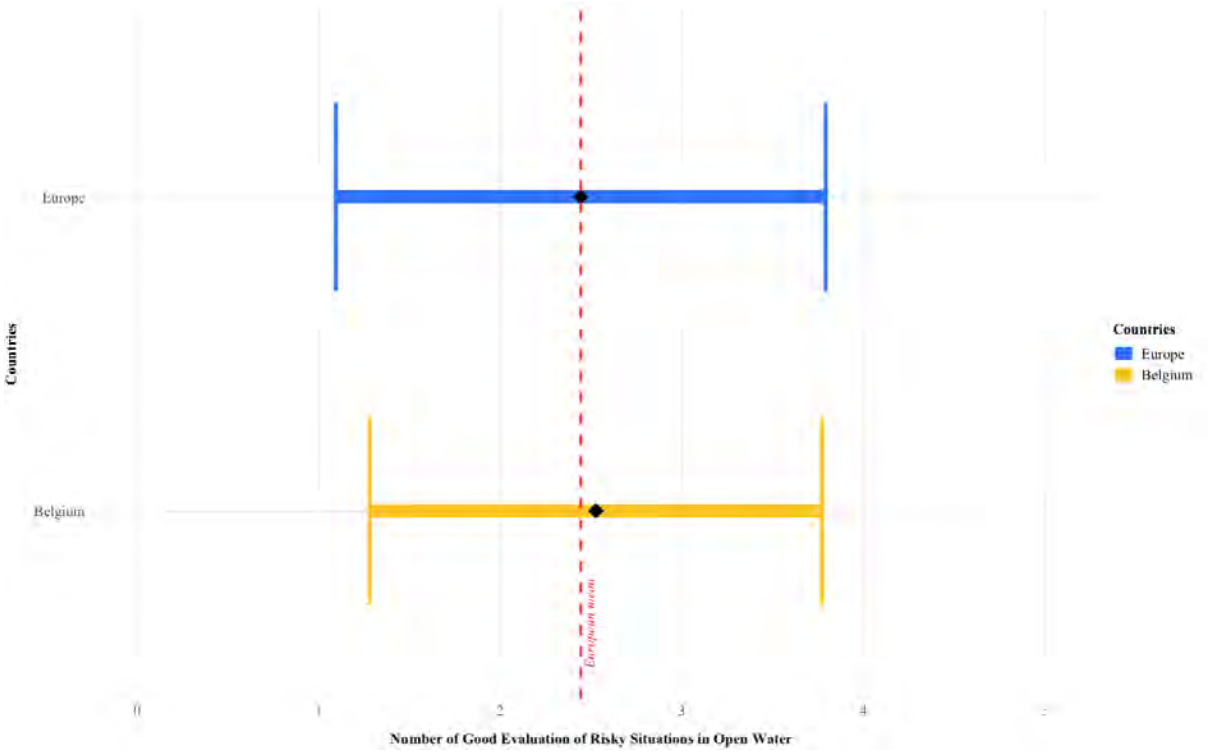


Figure 102. Distribution of the Number of Good Evaluation of Risky Situations in Open Water in Europe and in Belgium (Mean±SD).

Table 175. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* **Europe**	565	2,414	0.11	0.06 [a]	0.23 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

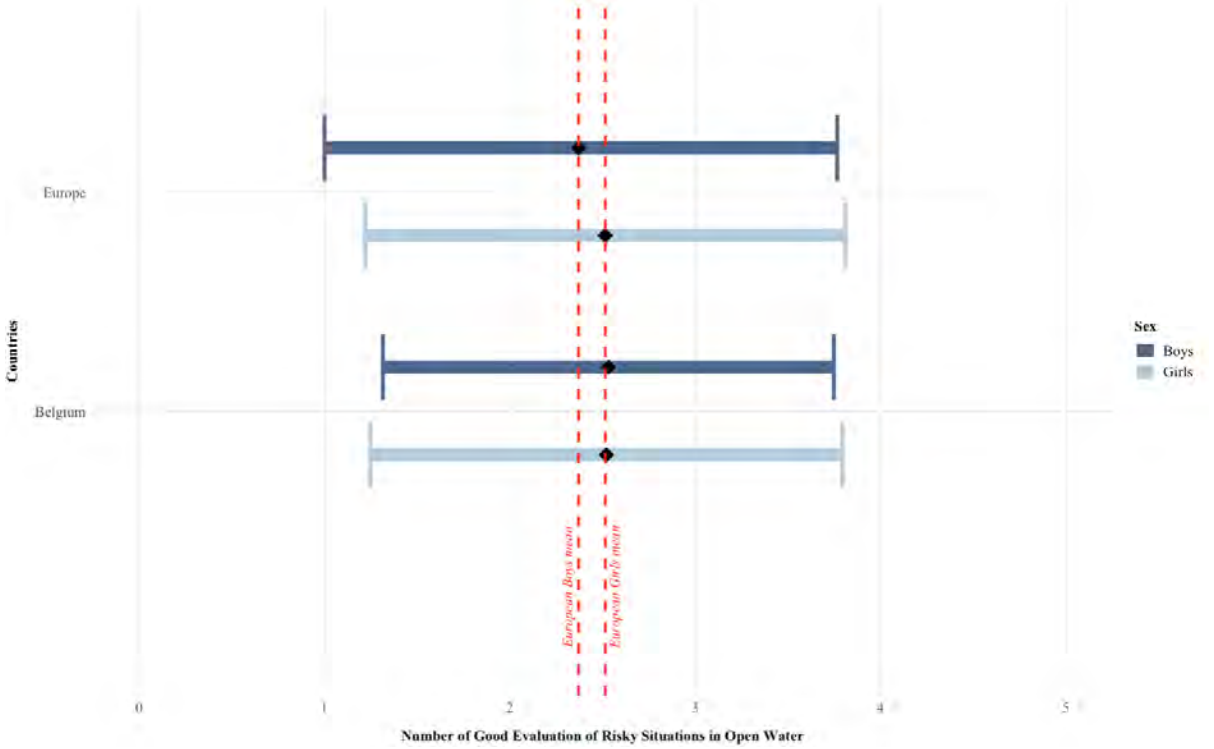


Figure 103. Distribution of the Number of Good Evaluation of Risky Situations in Open Water according to the Sex in Europe and in Belgium (Mean±SD).

Table 176. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	271	1,223	0.05 *	0.05 [a]	0.32 [1]
	Girls	294	1,191	0.78	0.007 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 177. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	271	294	0.87	0.007 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

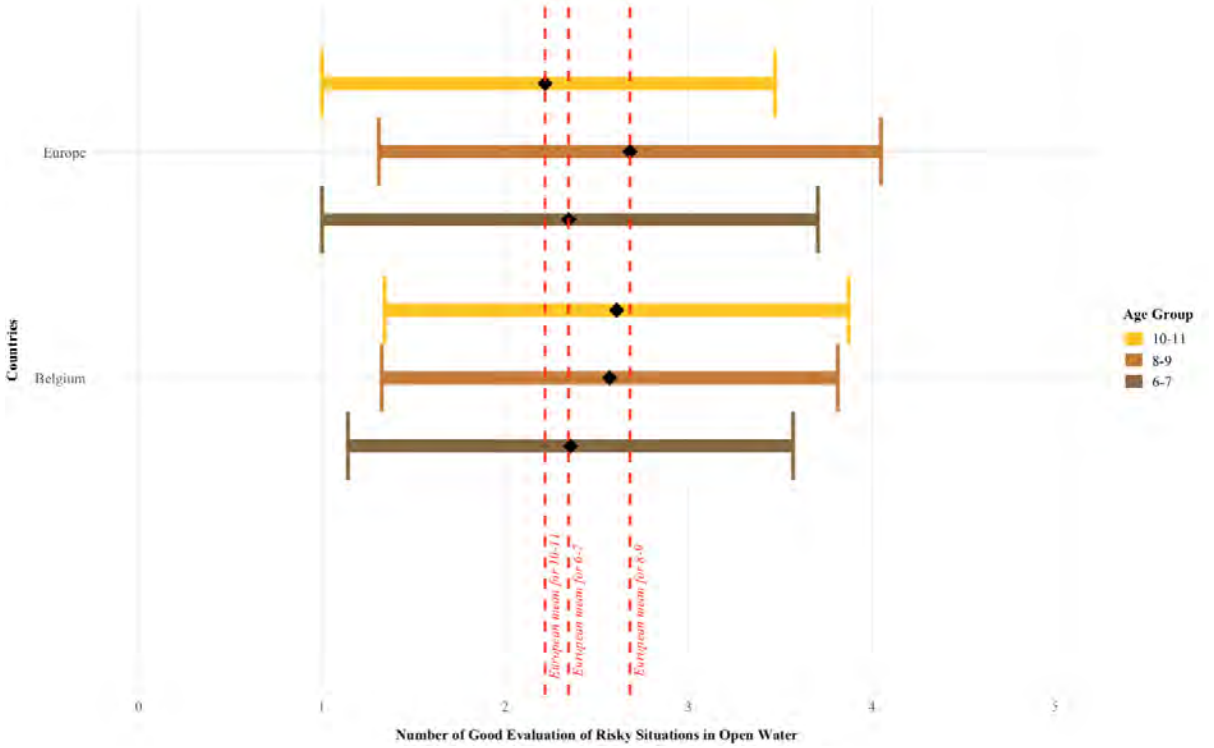


Figure 104. Distribution of the Number of Good Evaluation of Risky Situations in Open Water according to the Age Group in Europe and in Belgium (Mean±SD).

Table 178. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	149	744	0.95	0.002 [a]	0.05 [1]
	8-9 yo	230	966	0.36	0.03 [a]	0.11 [1]
	10-11 yo	186	704	1.1^{e-04} ***	0.13 [a]	0.87 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 179. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	149	230		0.07	0.09 [a]	0.41 [1]
	8-9 yo *vs* 10-11 yo		230	186	0.82	0.01 [a]	0.06 [1]
	6-7 yo *vs* 10-11 yo	149		186	0.04 *	0.11 [a]	0.5 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

D. Isolated task

Descriptive analysis

Table 180. Number of children who did the Isolated Tasks test.

Country	Sex	Age group	Entry in the water (n=)	Exit from the water (n=)	Propulsion on the belly (n=)	Floating (n=)
Europe	Boys	6-7	284	284	272	272
		8-9	428	428	423	422
		10-11	318	318	309	309
	Girls	6-7	301	301	289	293
		8-9	397	397	392	397
		10-11	287	287	275	275
Belgium	Boys	6-7	62	62	61	62
		8-9	123	123	122	121
		10-11	65	65	65	65
	Girls	6-7	74	74	73	74
		8-9	95	95	95	95
		10-11	97	97	97	97
Total			**2,531**	**2,531**	**2,473**	**2,482**

Country	Sex	Age group	Propulsion on the Back (n=)	Breathing (n=)	Treading water (n=)	Submersion (n=)	Rotations (n=)
Europe	Boys	6-7	264	221	275	271	180
		8-9	417	404	423	421	334
		10-11	304	306	318	316	262
	Girls	6-7	280	258	294	288	192
		8-9	390	360	395	392	286
		10-11	276	277	285	286	236
Belgium	Boys	6-7	61	56	62	61	58
		8-9	122	117	122	122	115
		10-11	65	62	65	65	61
	Girls	6-7	73	69	74	74	71
		8-9	95	92	95	95	93
		10-11	97	96	96	97	92
Total			**2,444**	**2,318**	**2,504**	**2,488**	**1,980**

Notes. Europe: France, Germany, Lithuania, Norway, Poland and Portugal.

Table 181. Descriptive analyze of the Isolated Tasks test.

Country	Sex	Age group	Entry in the water Mean (±SD)	Exit from the water Mean (±SD)	Propulsion on the belly Mean (±SD)	Floating Mean (±SD)
Europe	Boys	6-7	2.25 (±1.75)	3.09 (±1.87)	11.11 (±15.33)	4.12 (±5.79)
		8-9	3.39 (±1.57)	4 (±1.53)	28.34 (±23.51)	8.93 (±6.36)
		10-11	4.11 (±1.3)	4.47 (±1.22)	45.31 (±21.69)	10.37 (±5.4)
	Girls	6-7	2.03 (±1.82)	2.79 (±1.85)	11.46 (±16.53)	5.11 (±6.14)
		8-9	3.07 (±1.55)	3.53 (±1.71)	26.5 (±22.69)	8.86 (±6.55)
		10-11	3.81 (±1.38)	4.16 (±1.45)	45.84 (±22.81)	10.83 (±5.46)
Belgium	Boys	6-7	3.33 (±1.6)	3.86 (±1.56)	19.32 (±18.85)	6.71 (±5.37)
		8-9	3.94 (±1.38)	4.18 (±1.32)	36.16 (±21.19)	9.4 (±5.11)
		10-11	4.51 (±0.93)	4.71 (±0.81)	50.04 (±23.04)	11.24 (±4.45)
	Girls	6-7	2.79 (±1.75)	3.52 (±1.67)	19.51 (±18.53)	7.02 (±6.15)
		8-9	3.57 (±1.53)	4.23 (±1.36)	35.02 (±23.77)	10.4 (±5.33)
		10-11	4.03 (±1.4)	4.36 (±1.3)	48.54 (±22.18)	11.9 (±4.33)

Country	Sex	Age group	Propulsion on the back Mean (±SD)	Breathing Mean (±SD)	Treading water Mean (±SD)	Submersion Mean (±SD)	Rotations Mean (±SD)
Europe	Boys	6-7	10.83 (±16.3)	3.1 (±1.6)	25.97 (±40.08)	0.73 (±1.29)	1.84 (±1.76)
		8-9	29.57 (±24.03)	4.07 (±1.36)	65.17 (±50.84)	2.28 (±2.89)	3.21 (±1.76)
		10-11	41.77 (±21.32)	4.46 (±1.07)	93.85 (±42.43)	3.6 (±3.38)	3.98 (±1.37)
	Girls	6-7	11.5 (±17.24)	3.07 (±1.59)	28.3 (±42.87)	0.72 (±1.47)	1.68 (±1.75)
		8-9	28.71 (±24.33)	3.89 (±1.41)	63.82 (±50.55)	2.02 (±2.41)	3.09 (±1.76)
		10-11	42.06 (±21.4)	4.36 (±1.11)	93.99 (±43.81)	3.71 (±3.38)	3.98 (±1.51)
Belgium	Boys	6-7	22.12 (±18.96)	3.33 (±1.56)	38.42 (±42.69)	1.28 (±1.59)	2.56 (±1.71)
		8-9	36.18 (±21.47)	4.19 (±1.32)	70.52 (±48.84)	2.41 (±2.38)	3.53 (±1.46)
		10-11	47.88 (±21.27)	4.47 (±1.19)	96.47 (±40.66)	4.13 (±3.23)	3.96 (±1.3)
	Girls	6-7	21.98 (±20.83)	3.53 (±1.53)	29.32 (±39.14)	1 (±1.31)	2.61 (±1.77)
		8-9	35.34 (±23.38)	4.02 (±1.45)	63.8 (±49.71)	2.05 (±2.22)	3.17 (±1.55)
		10-11	47.47 (±20.48)	4.19 (±1.37)	90.27 (±44.52)	3.71 (±3.3)	4.15 (±1.22)

Notes. Europe: France, Germany, Lithuania, Norway, Poland and Portugal.

a. Entry in the water

Overview

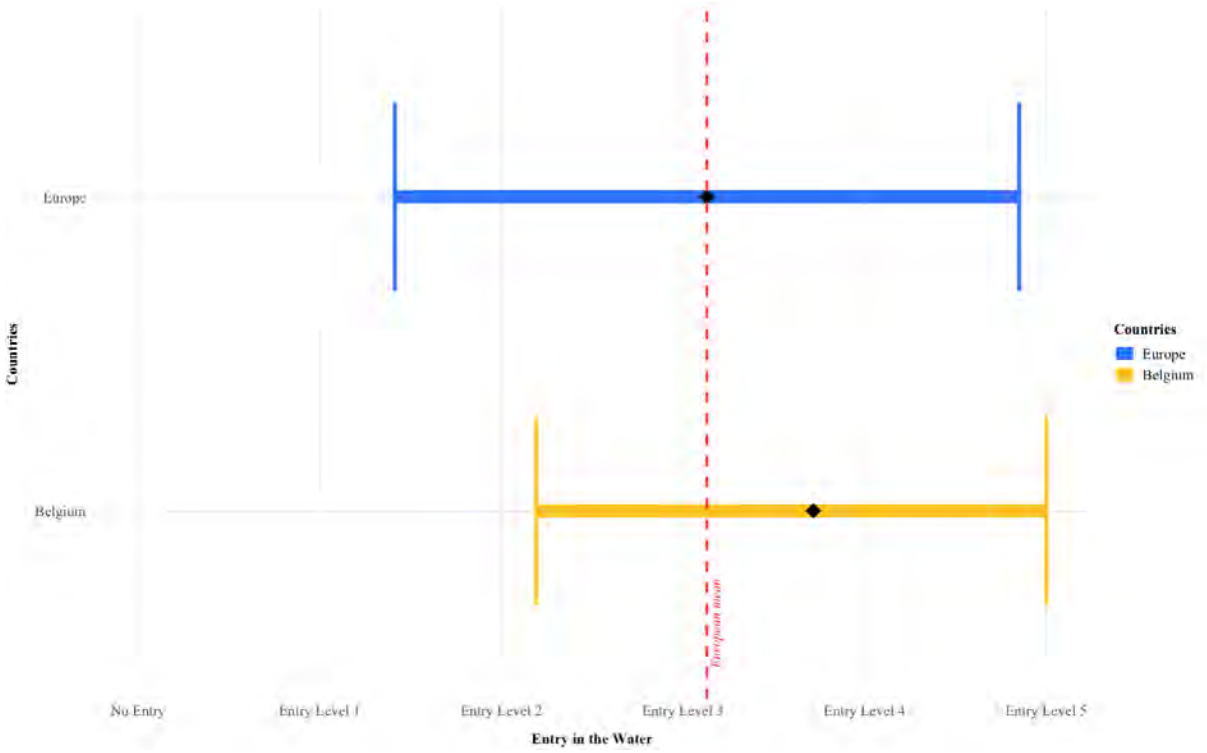


Figure 105. Distribution of the Entry in the Water in Europe and in Belgium (Mean±SD).

Table 182. Comparative Analysis of the Entry in the Water in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	516	2,015	5.9 $^{e-13}$ ***	0.28 [b]	1 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

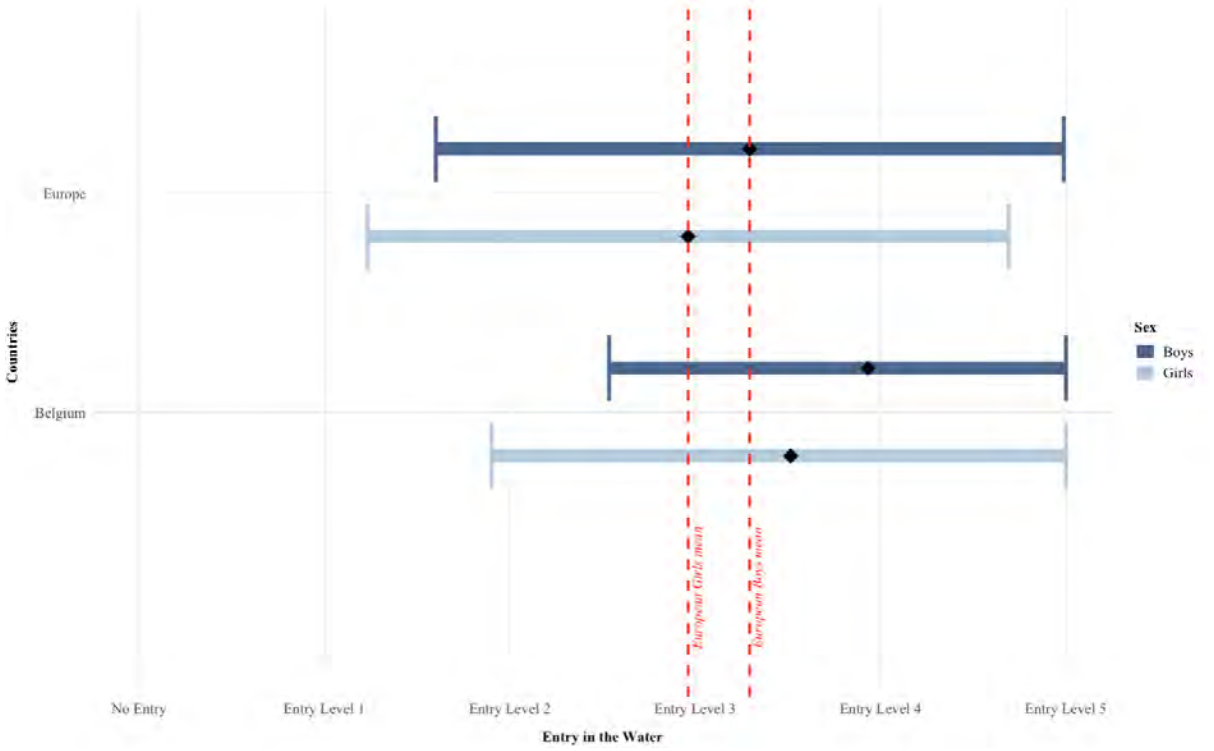


Figure 106. Distribution of the Entry in the Water according to the Sex in Europe and in Belgium (Mean±SD).

Table 183. Comparative Analysis of the Entry in the Water in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	250	1,030	3.5^{e-08} ***	0.15 [a]	0.99 [4]
	Girls	266	985	1.08^{e-06} ***	0.13 [a]	0.97 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 184. Comparative Analysis of the Entry in the Water in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	250	266	2.34^{e-3} **	0.13 [a]	0.82 [3]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

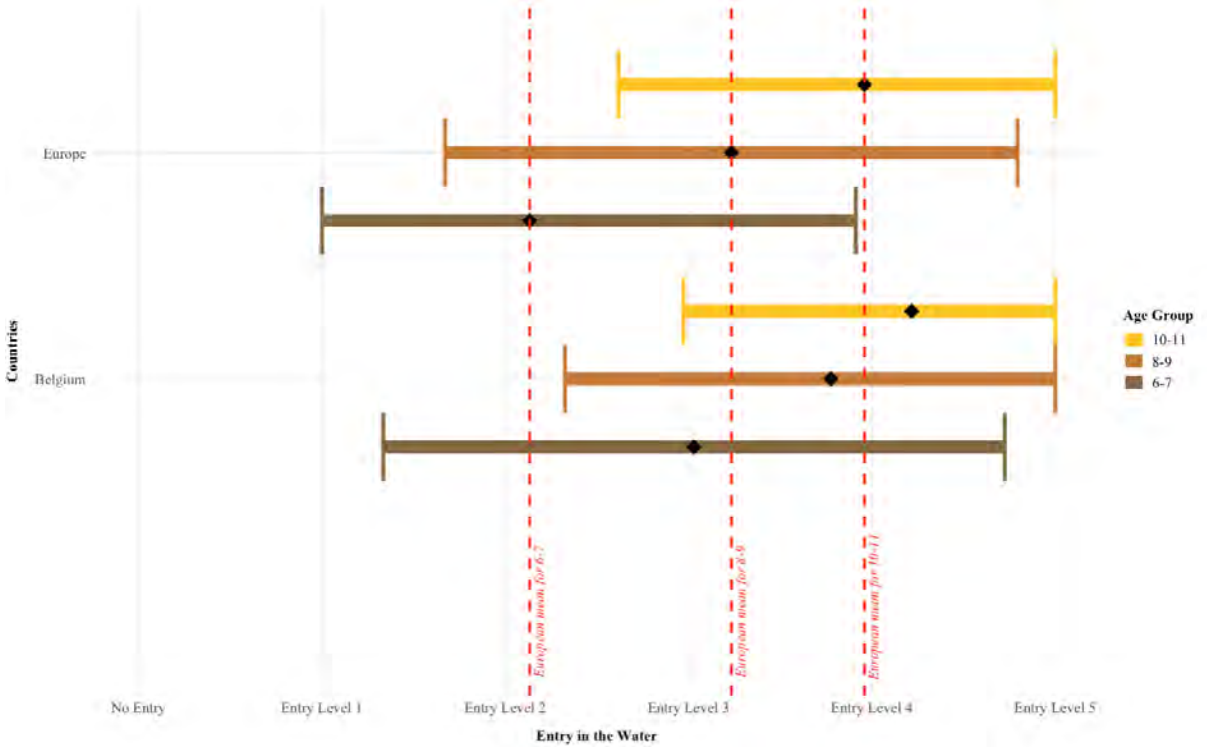


Figure 107. Distribution of the Entry in the Water according to the Age Group in Europe and in Belgium (Mean±SD).

Table 185. Comparative Analysis of the Entry in the Water in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	136	585	1.66^{e-07} ***	0.19 [a]	0.98 [4]
	8-9 yo	218	825	6.73^{e-07} ***	0.15 [a]	0.98 [4]
	10-11 yo	162	605	0.008 **	0.09 [a]	0.51 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 186. Comparative Analysis of the Entry in the Water in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	136	218		2.35^{e-05} ***	0.22 [b]	0.98 [4]
	8-9 yo *vs* 10-11 yo		218	162	6.45^{-04} ***	0.16 [a]	0.88 [3]
	6-7 yo *vs* 10-11 yo	136		162	2.14^{e-11} ***	0.37 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

b. Exit from the water

Overview

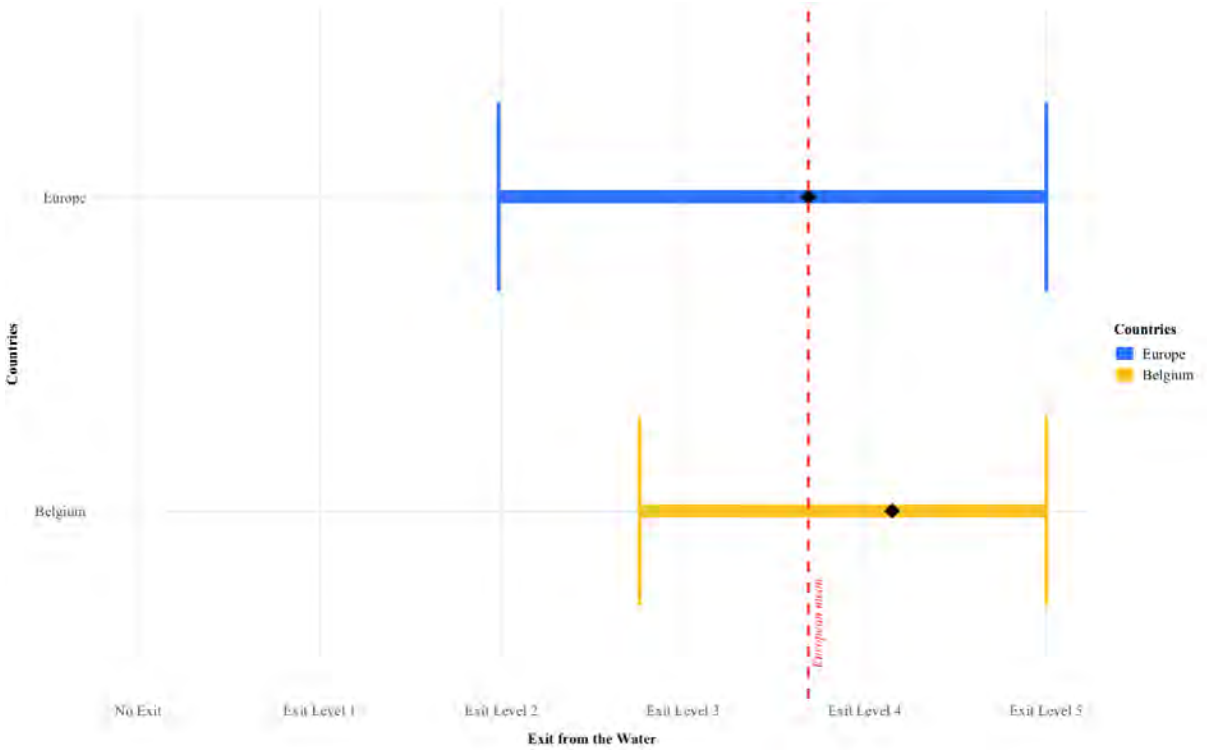


Figure 108. Distribution of the Exit from the Water in Europe and in Belgium (Mean±SD).

Table 187. Comparative Analysis of the Exit from the Water in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	516	2,015	3.98^{e-06} ***	0.016 [a]	0.92 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

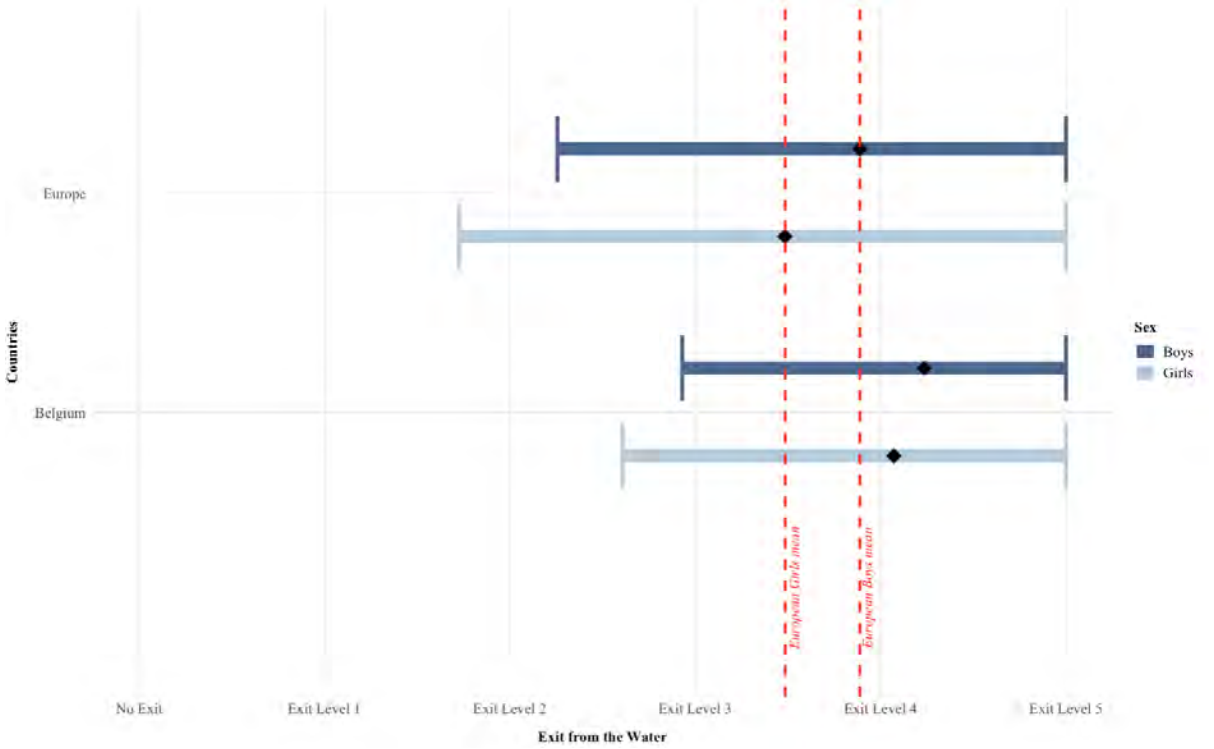


Figure 109. Distribution of the Exit from the Water according to the Sex in Europe and in Belgium (Mean±SD).

Table 188. Comparative Analysis of the Exit from the Water in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	250	1,030	0.05	0.05 [a]	0.27 [1]
	Girls	266	985	3.29^{e-06} ***	0.12 [a]	0.95 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 189. Comparative Analysis of the Exit from the Water in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	250	266	0.3	0.04 [a]	0.15 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

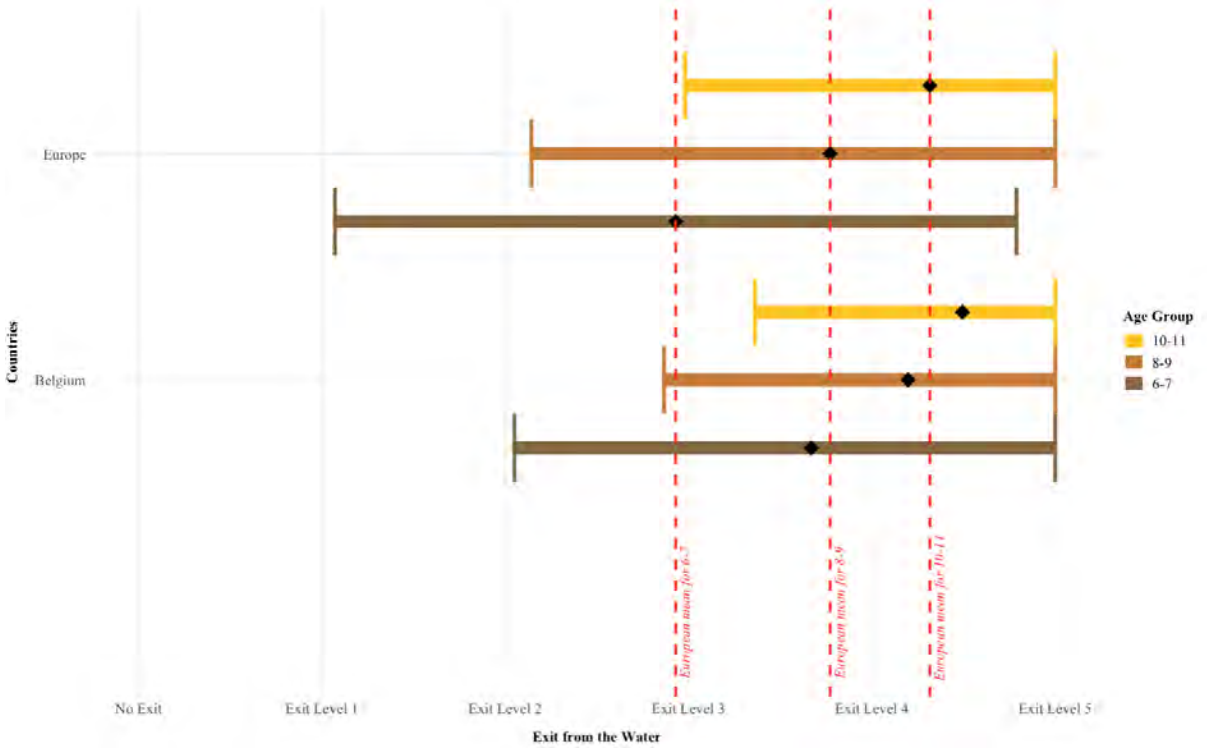


Figure 110. Distribution of the Exit from the Water according to the Age Group in Europe and in Belgium (Mean±SD).

Table 190. Comparative Analysis of the Exit from the Water in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	138	585	1.01^{e-04} ***	0.14 [a]	0.84 [3]
	8-9 yo	218	825	0.006 **	0.08 [a]	0.52 [2]
	10-11 yo	162	605	0.81	0.04 [a]	0.14 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 191. Comparative Analysis of the Exit from the Water in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	138	218		9.47^{e-04} ***	0.16 [a]	0.84 [3]
	8-9 yo *vs* 10-11 yo		218	162	0.002 **	0.13 [a]	0.73 [2]
	6-7 yo *vs* 10-11 yo	138		162	2.39^{-08} ***	0.28 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

c. Propulsion on the belly

Overview

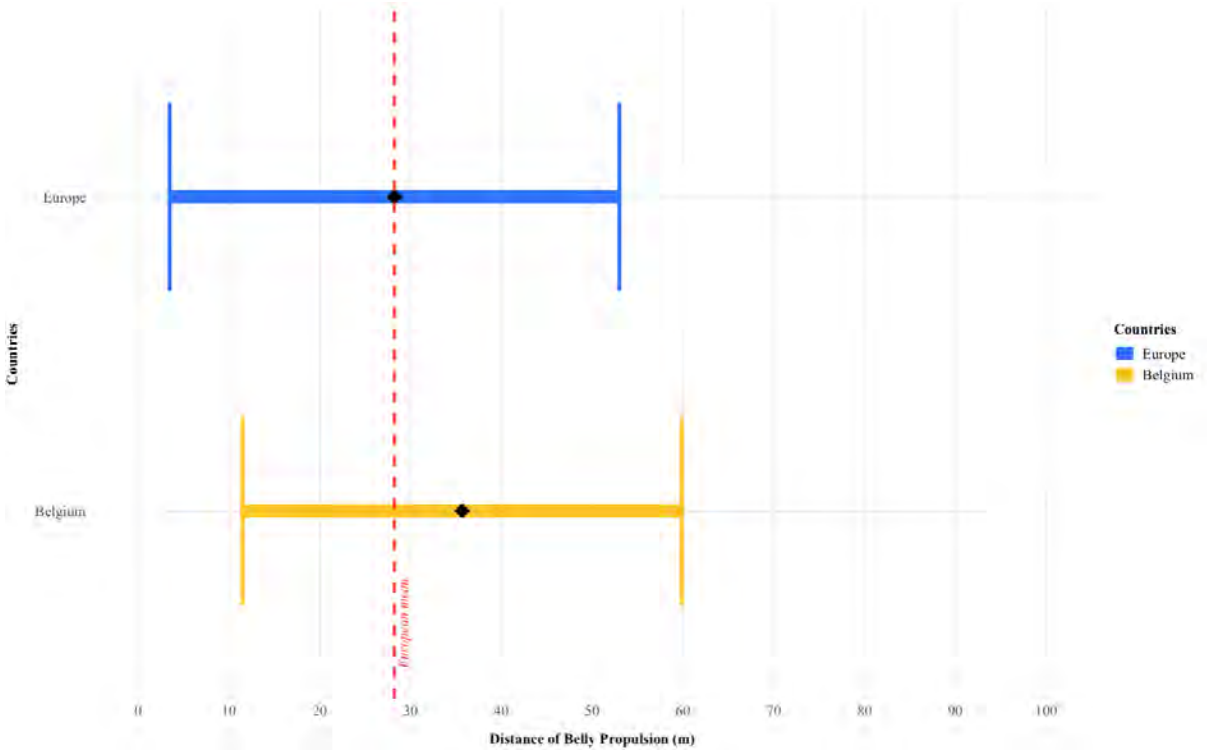


Figure 111. Distribution of the Propulsion on the Belly in Europe and in Belgium (Mean±SD).

Table 192. Comparative Analysis of the Propulsion on the Belly in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	513	1,960	4.78^{e-11} ***	0.27 [b]	1 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

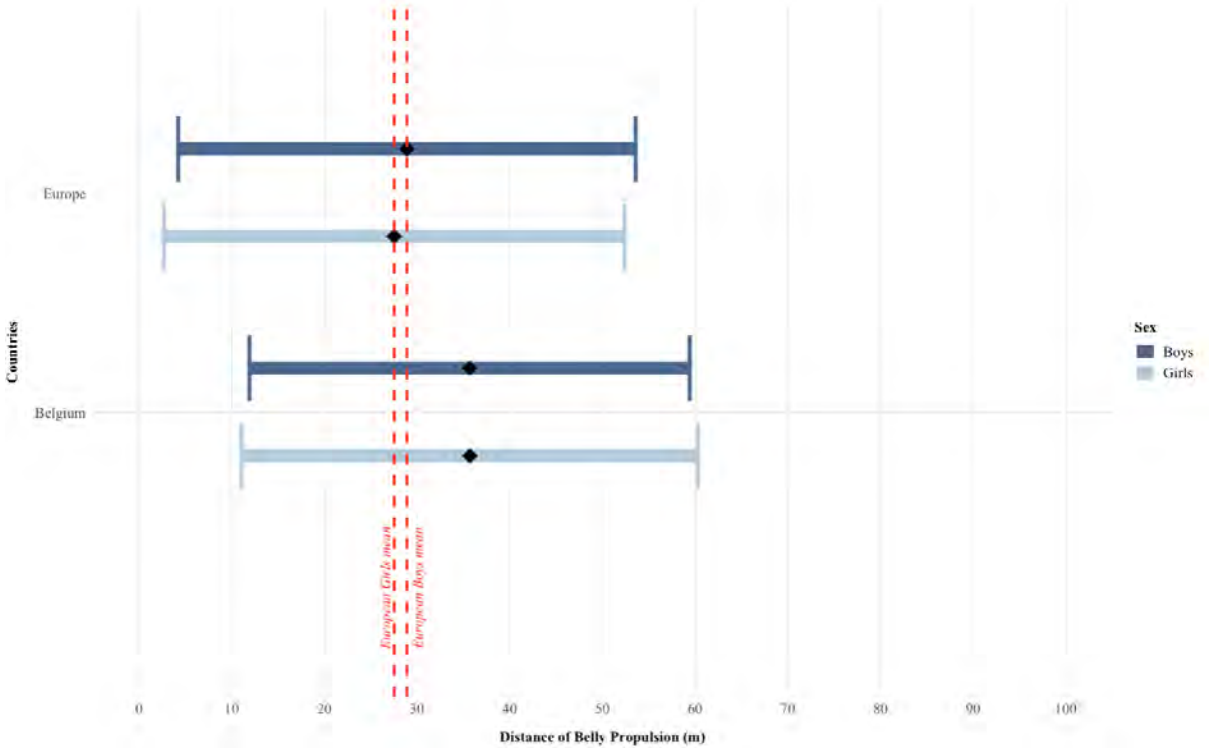


Figure 112. Distribution of the Propulsion on the Belly according to the Sex in Europe and in Belgium (Mean±SD).

Table 193. Comparative Analysis of the Propulsion on the Belly in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	248	1,004	2.89^{e-05} ***	0.12 [a]	0.92 [4]
	Girls	265	956	3.48^{e-07} ***	0.14 [a]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 194. Comparative Analysis of the Propulsion on the Belly in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	248	265	0.96	0.002 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

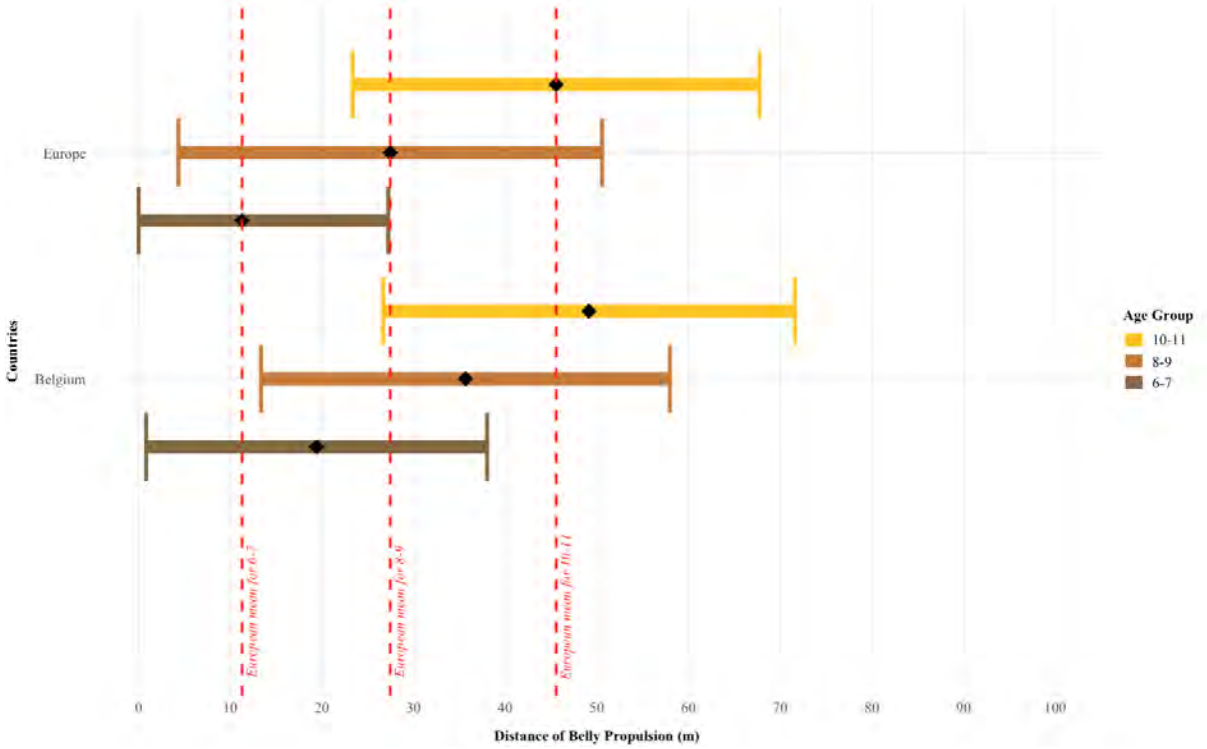


Figure 113. Distribution of the Propulsion on the Belly according to the Age Group in Europe and in Belgium (Mean±SD).

Table 195. Comparative Analysis of the Propulsion on the Belly in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	134	561	6.81^{e-10} ***	0.23 [b]	1 [4]
	8-9 yo	217	815	5.79^{-07} ***	0.15 [a]	0.98 [4]
	10-11 yo	265	584	0.14	0.05 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 196. Comparative Analysis of the Propulsion on the Belly in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	134	217		1.5^{e-11} ***	0.36 [b]	1 [4]
	8-9 yo *vs* 10-11 yo		217	265	3.76^{e-08} ***	0.28 [b]	1 [4]
	6-7 yo *vs* 10-11 yo	134		265	7.66^{e-24} ***	0.58 [c]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

p. Propulsion on the back

Overview

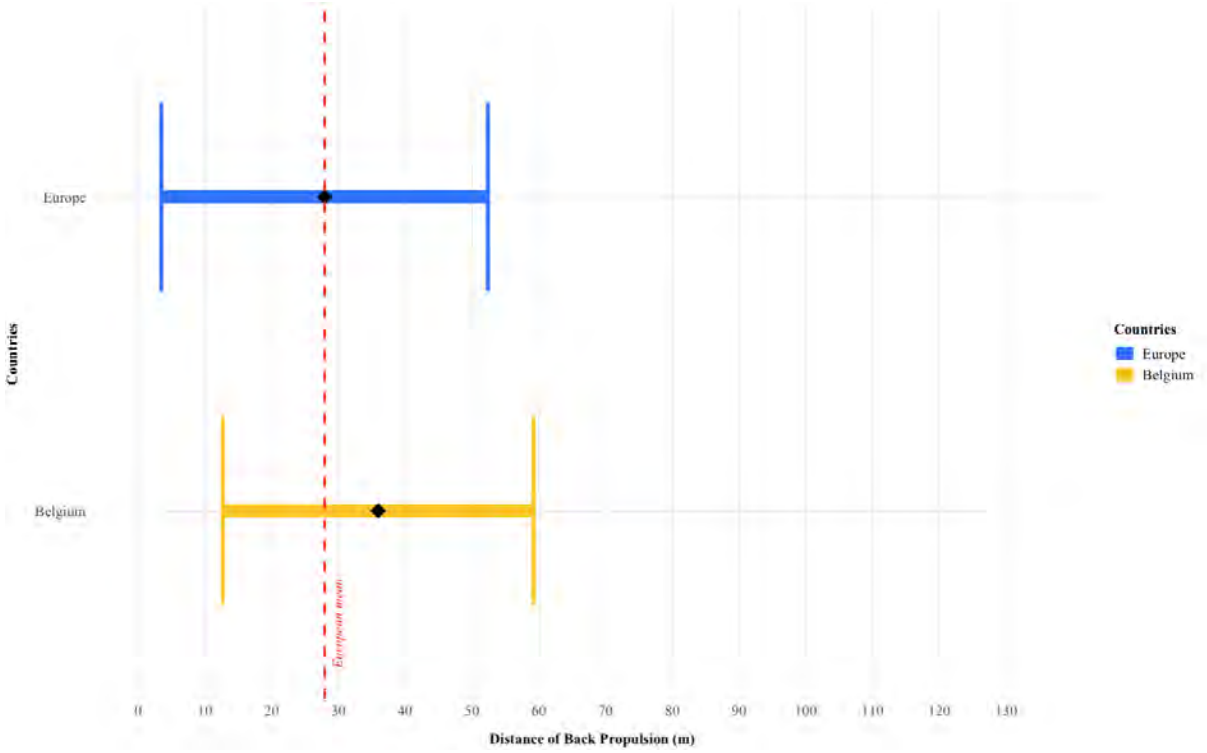


Figure 114. Distribution of the Propulsion on the Back in Europe and in Belgium (Mean±SD).

Table 197. Comparative Analysis of the Propulsion on the Back in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	513	1,913	2.89^{e-12} ***	0.28 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

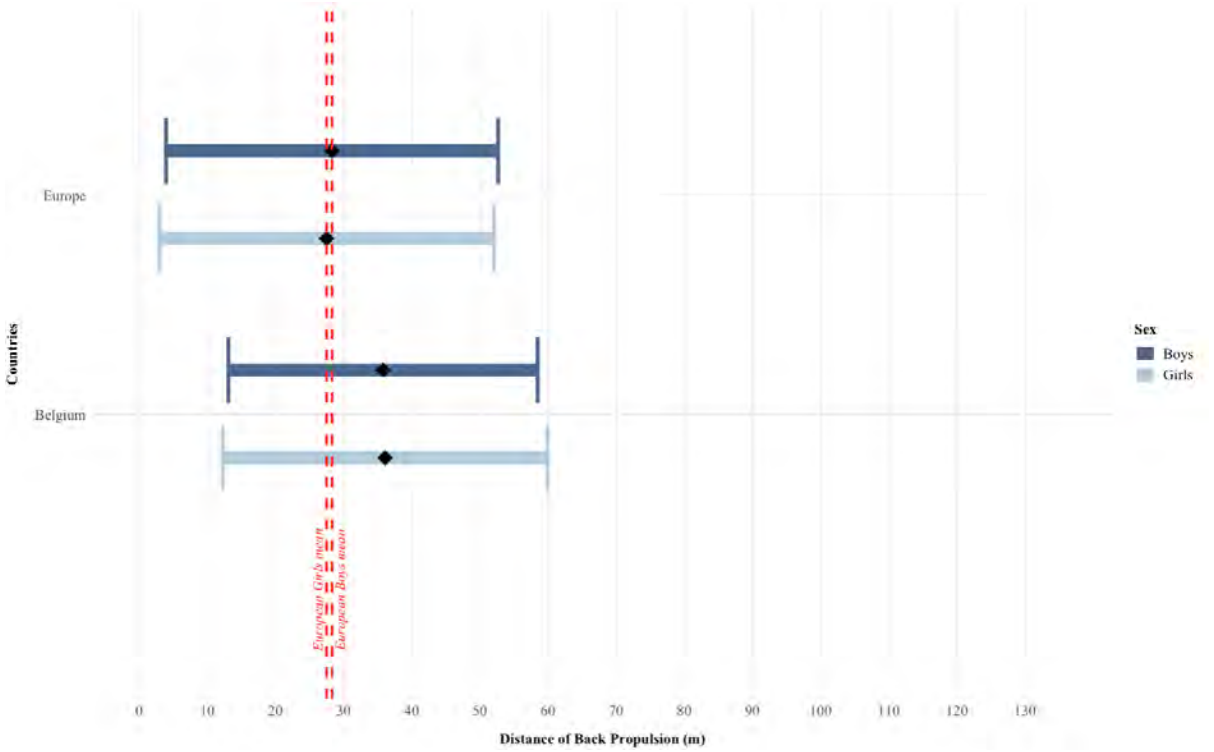


Figure 115. Distribution of the Propulsion on the Back according to the Sex in Europe and in Belgium (Mean±SD).

Table 198. Comparative Analysis of the Propulsion on the Back in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	248	985	5.78^{e-06} ***	0.12 [a]	0.95 [4]
	Girls	265	946	9.55^{e-08} ***	0.15 [a]	0.99 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 199. Comparative Analysis of the Propulsion on the Back in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	248	265	0.84	0.008 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

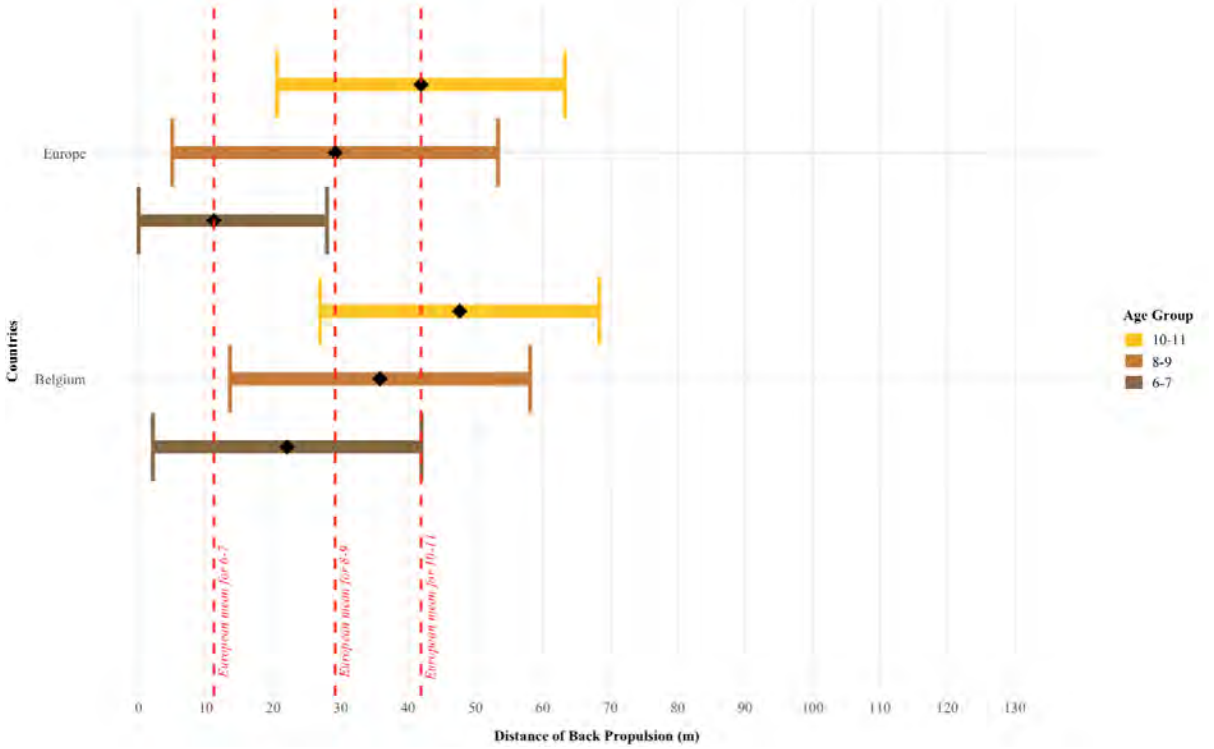


Figure 116. Distribution of the Propulsion on the Back according to the Age Group in Europe and in Belgium (Mean±SD).

Table 200. Comparative Analysis of the Propulsion on the Back in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	134	544	3.29^{e-12} ***	0.25 [b]	1 [4]
	8-9 yo	217	807	6.73^{e-05} ***	0.12 [a]	0.9 [4]
	10-11 yo	162	580	0.005 **	0.1 [a]	0.65 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 201. Comparative Analysis of the Propulsion on the Back in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	134	217		2.19^{e-08} ***	0.29 [b]	1 [4]
	8-9 yo *vs* 10-11 yo		217	162	1.22^{e-07} ***	0.27 [b]	1 [4]
	6-7 yo *vs* 10-11 yo	134		162	1.69^{e-20} ***	0.24 [c]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

d. Submersion

Overview

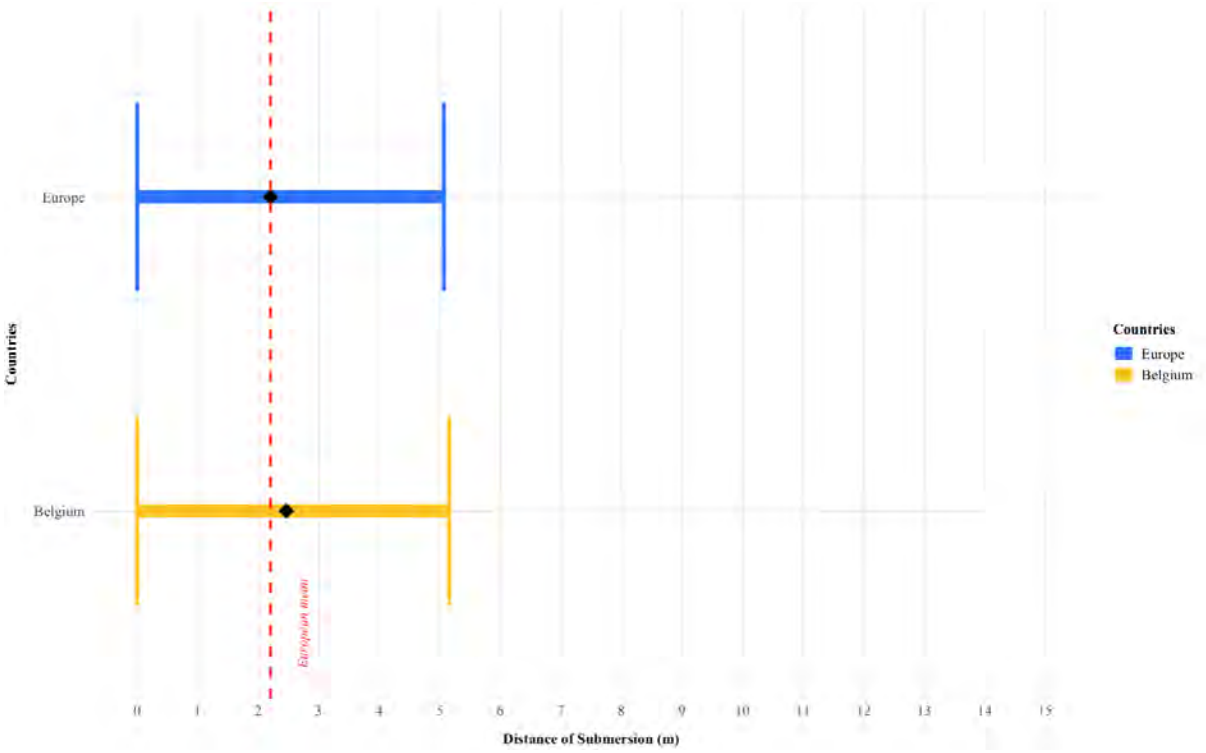


Figure 117. Distribution of the Submersion in Europe and in Belgium (Mean±SD).

Table 202. Comparative Analysis of the Submersion in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	513	1,931	2.89^{e-12} ***	0.28 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

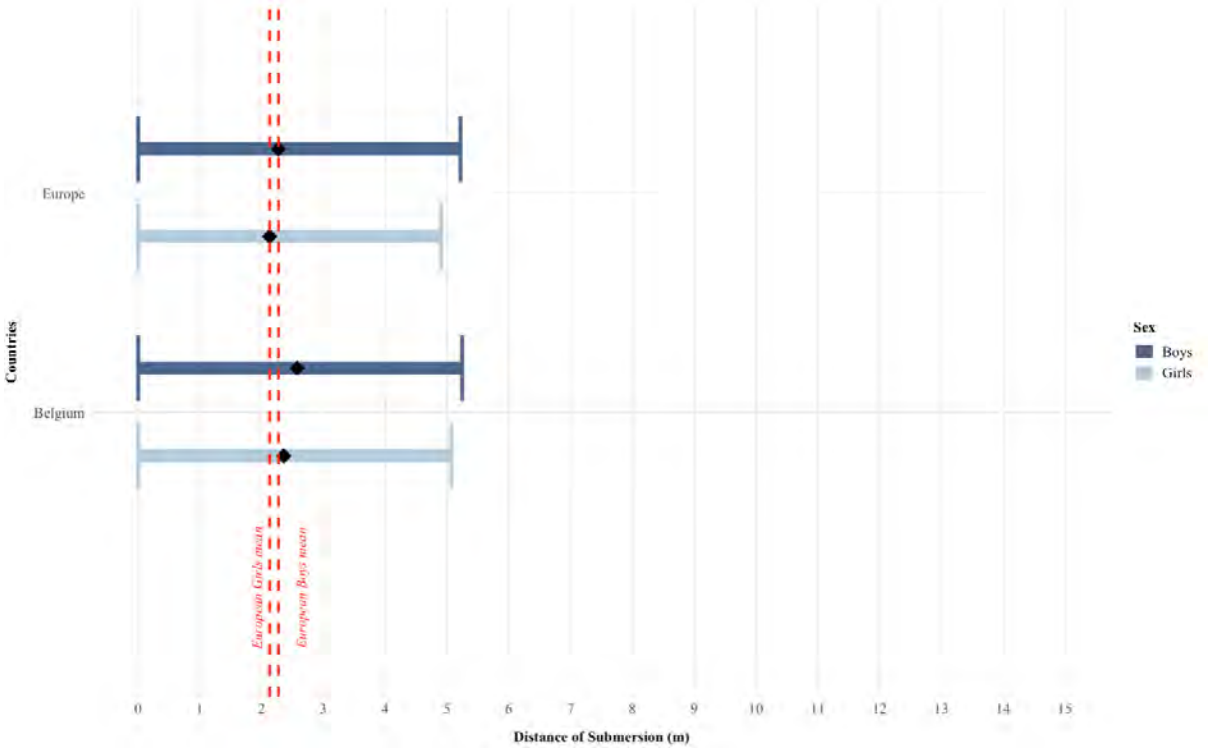


Figure 118. Distribution of the Submersion according to the Sex in Europe and in Belgium (Mean±SD).

Table 203. Comparative Analysis of the Submersion in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	248	985	5.78^{e-06} ***	0.13 [a]	0.95 [4]
	Girls	265	946	9.55^{e-08} ***	0.15 [a]	0.99 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 204. Comparative Analysis of the Submersion in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	248	265	0.84	0.009 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

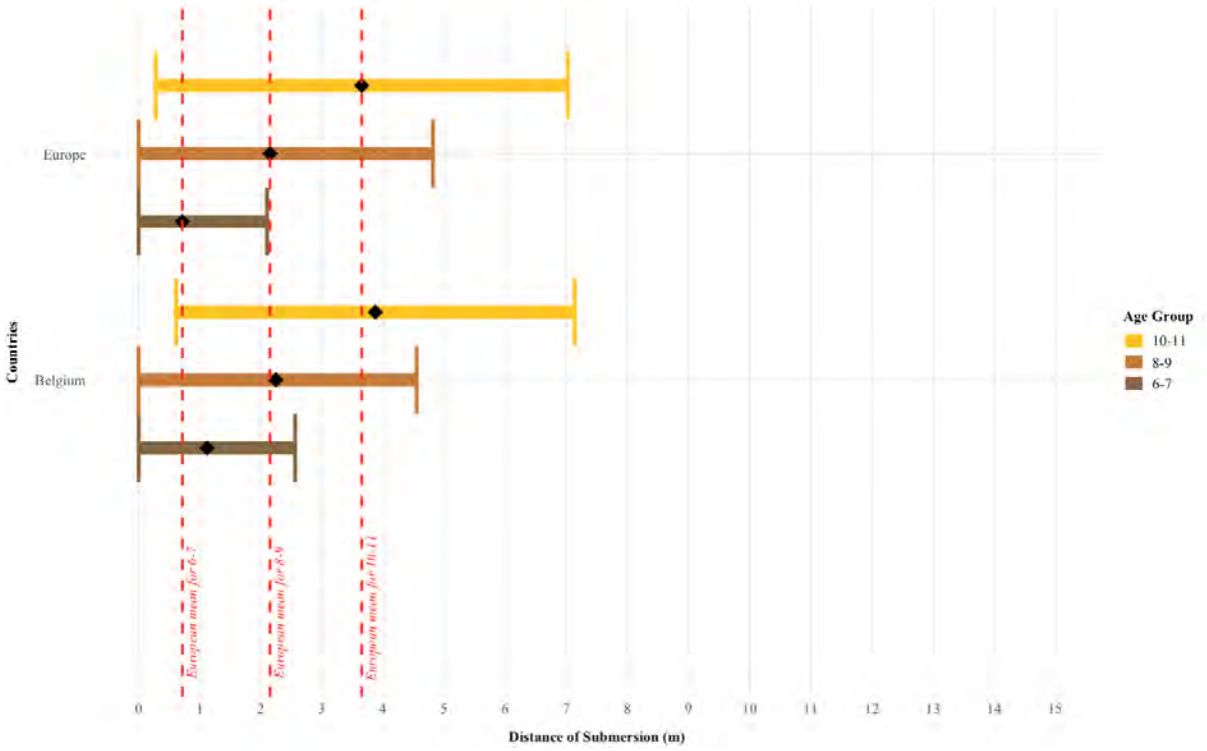


Figure 119. Distribution of the Submersion according to the Age Group in Europe and in Belgium (Mean±SD).

Table 205. Comparative Analysis of the Submersion in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	134	544	3.29^{e-12} ***	0.25 [b]	1 [4]
	8-9 yo	217	807	6.73^{e-05} ***	0.12 [a]	0.9 [4]
	10-11 yo	162	580	0.005 **	0.1 [a]	0.65 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 206. Comparative Analysis of the Submersion in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	134	217		2.19^{e-08} ***	0.3 [b]	1 [4]
	8-9 yo *vs* 10-11 yo		217	162	1.22^{e-07} ***	0.27 [b]	1 [4]
	6-7 yo *vs* 10-11 yo	134		162	1.69^{e-20} ***	0.54 [3]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

e. Breathing

Overview

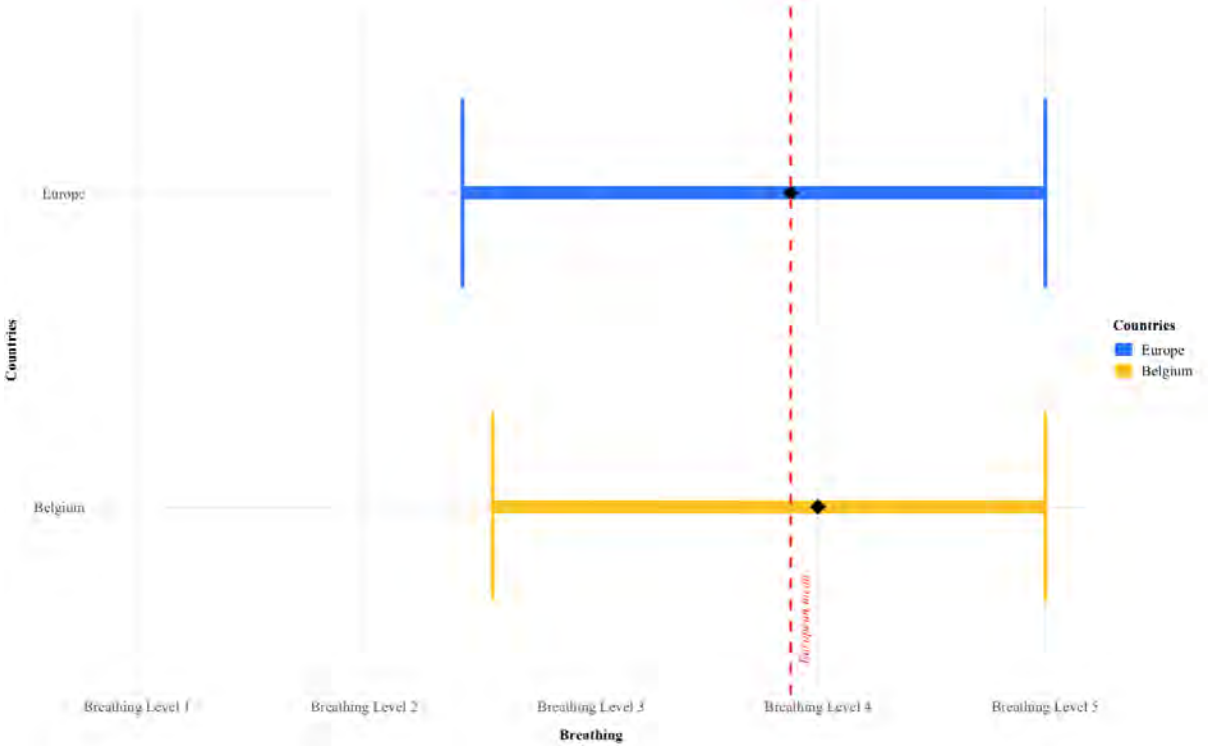


Figure 120. Distribution of the Breathing in Europe and in Belgium (Mean±SD).

Table 207. Comparative Analysis of the Breathing in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	492	1,826	0.04 *	0.07 [a]	0.32 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

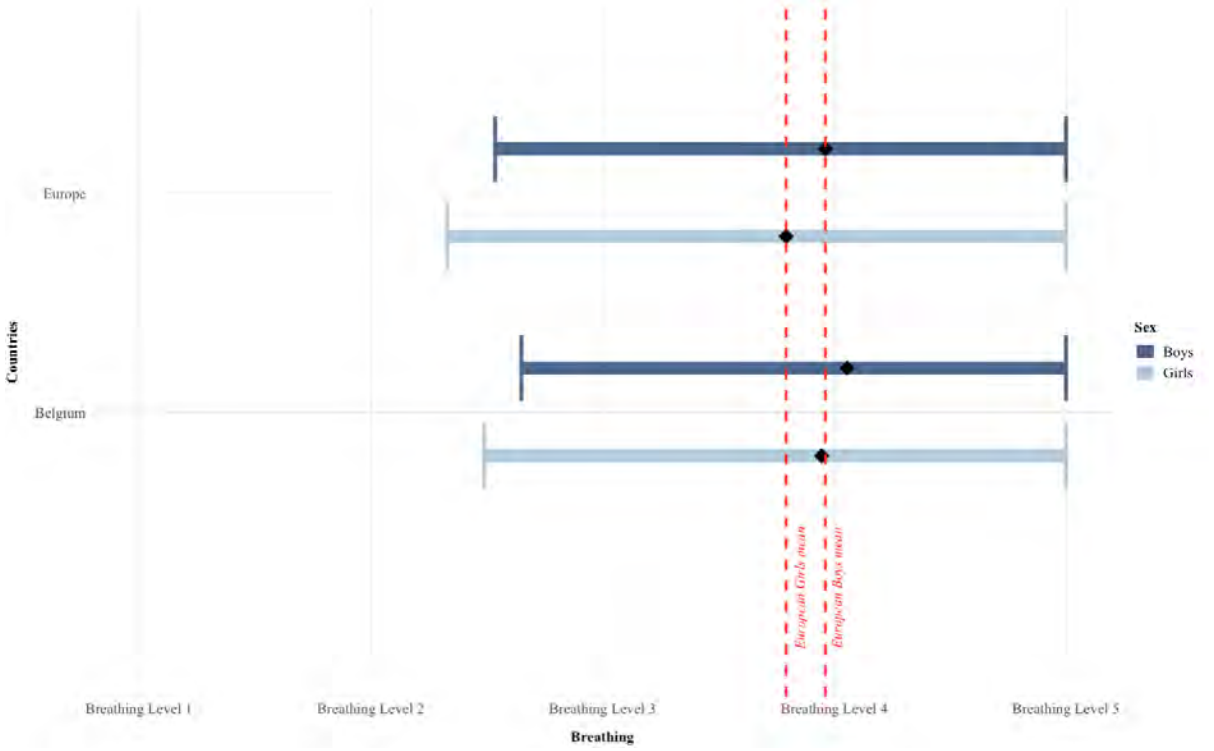


Figure 121. Distribution of the Breathing according to the Sex in Europe and in Belgium (Mean±SD).

Table 208. Comparative Analysis of the Breathing in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	235	931	0.27	0.03 [a]	0.12 [1]
	Girls	257	895	0.007	0.05 [a]	0.28 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 209. Comparative Analysis of the Breathing in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	235	257	0.48	0.03 [a]	0.09 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

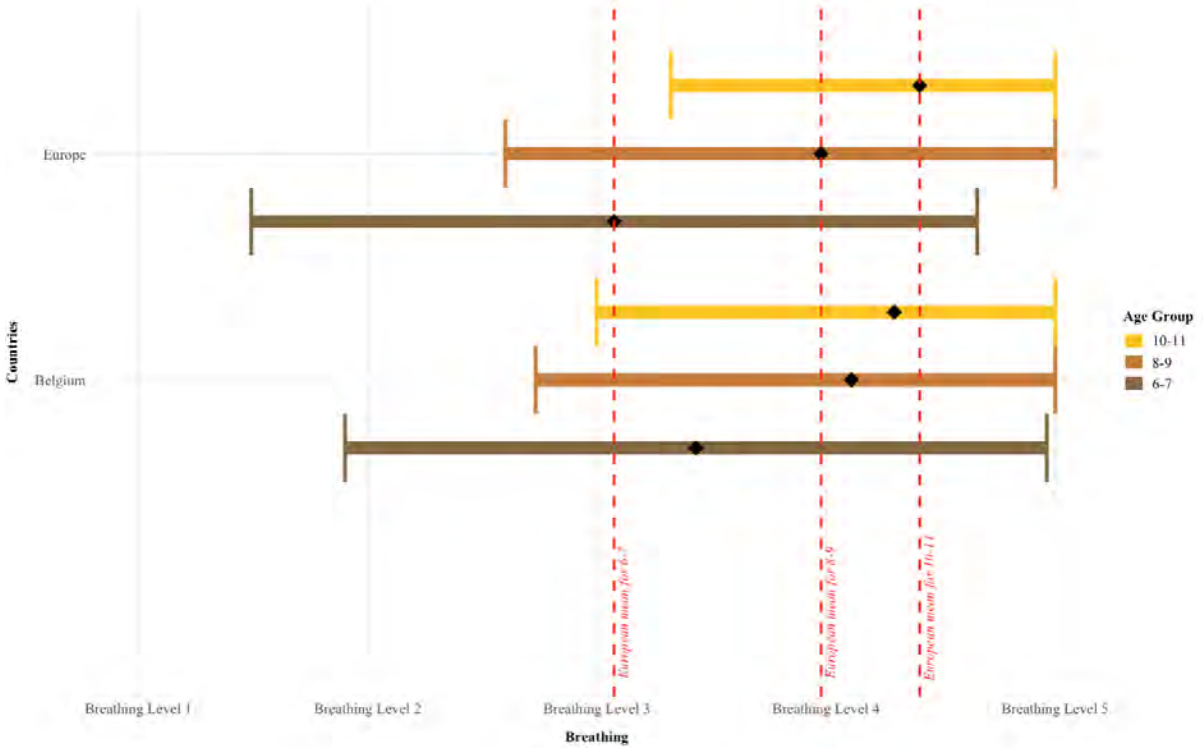


Figure 122. Distribution of the Breathing according to the Age Group in Europe and in Belgium (Mean±SD).

Table 210. Comparative Analysis of the Breathing in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	125	479	0.03 *	0.09 [a]	0.42 [1]
	8-9 yo	209	764	0.12	0.04 [a]	0.2 [1]
	10-11 yo	158	583	0.9	0.03 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 211. Comparative Analysis of the Breathing in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	125	209		0.03 *	0.09 [a]	0.41 [1]
	8-9 yo *vs* 10-11 yo		209	158	0.1	0.04 [a]	0.2 [1]
	6-7 yo *vs* 10-11 yo	125		158	0.9	0.003 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

f. Treading water

Overview

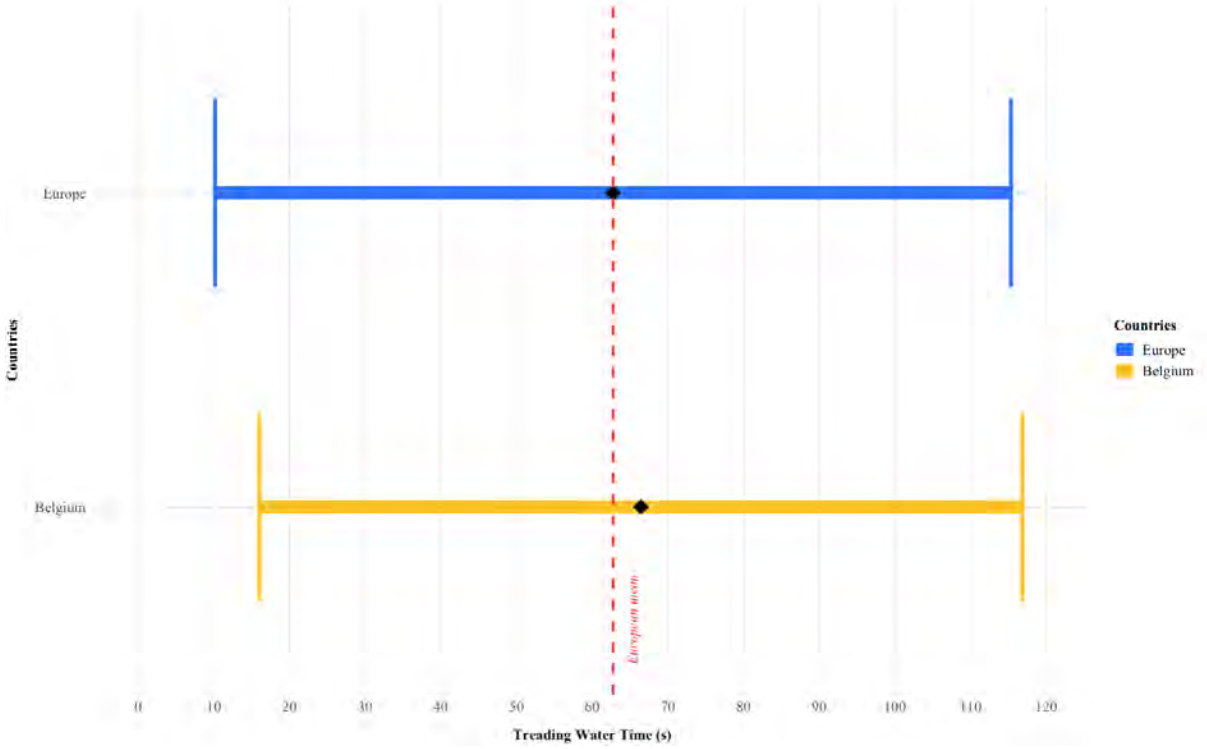


Figure 123. Distribution of the Treading Water in Europe and in Belgium (Mean±SD).

Table 212. Comparative Analysis of the Treading Water in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* **Europe**	514	1,990	0.02 *	0.08 [a]	0.41 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

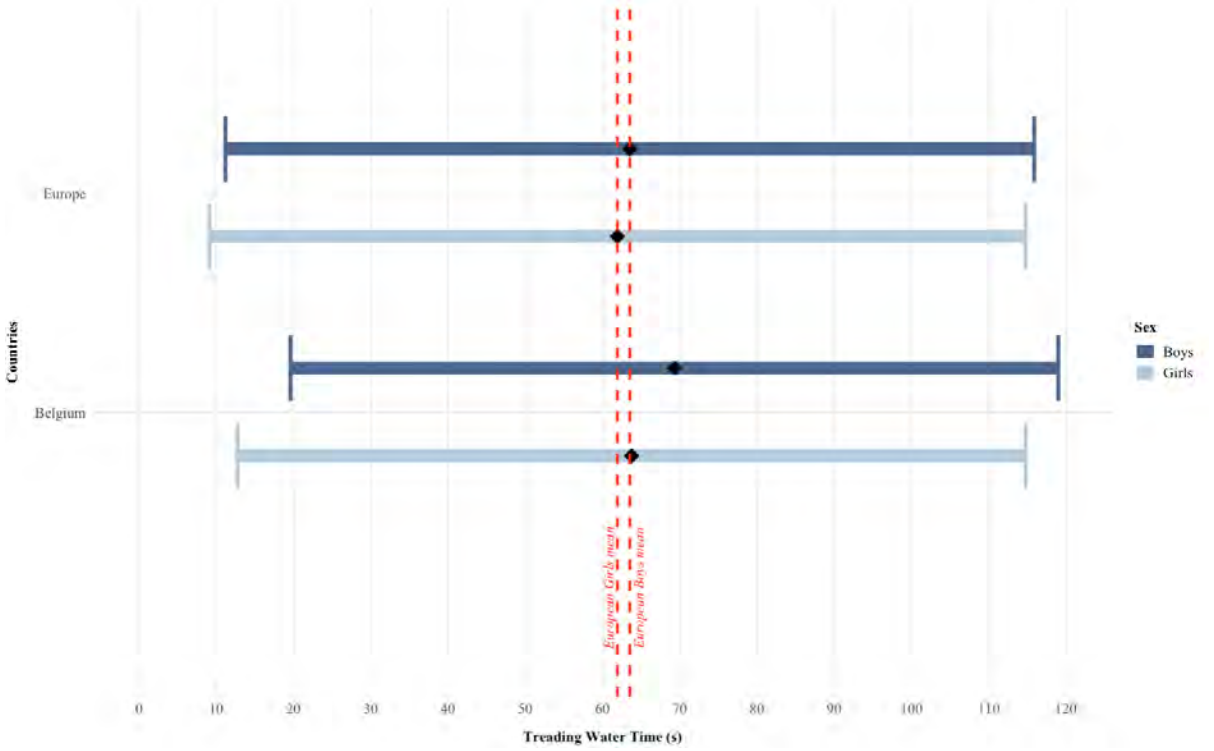


Figure 124. Distribution of the Treading Water according to the Sex in Europe and in Belgium (Mean±SD).

Table 213. Comparative Analysis of the Treading Water in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	249	1,016	0.04 *	0.06 [a]	0.36 [1]
	Girls	265	974	0.26	0.03 [a]	0.14 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 214. Comparative Analysis of the Treading Water in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	249	265	0.17	0.06 [1]	0.26 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

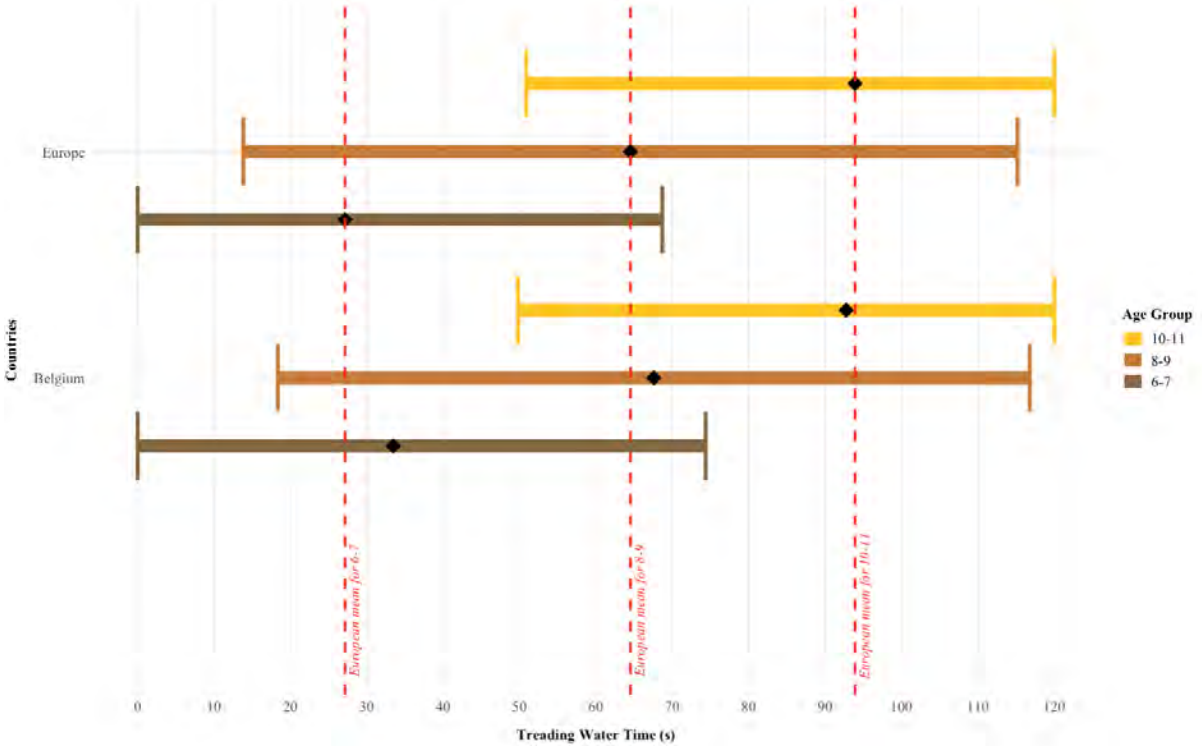


Figure 125. Distribution of the Treading Water according to the Age Group in Europe and in Belgium (Mean±SD).

Table 215. Comparative Analysis of the Treading Water in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	136	569	2.1^{e-05} ***	0.15 [a]	0.91 [4]
	8-9 yo	217	818	0.38	0.03 [a]	0.1 [1]
	10-11 yo	161	603	0.72	0.01 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 216. Comparative Analysis of the Treading Water in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	136	217		5.41^{e-10} ***	0.33 [b]	1 [4]
	8-9 yo *vs* 10-11 yo		217	161	1.42^{e-07} ***	0.25 [b]	1 [4]
	6-7 yo *vs* 10-11 yo	136		161	4.28^{e-23} ***	0.55 [c]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

g. Floating

Overview

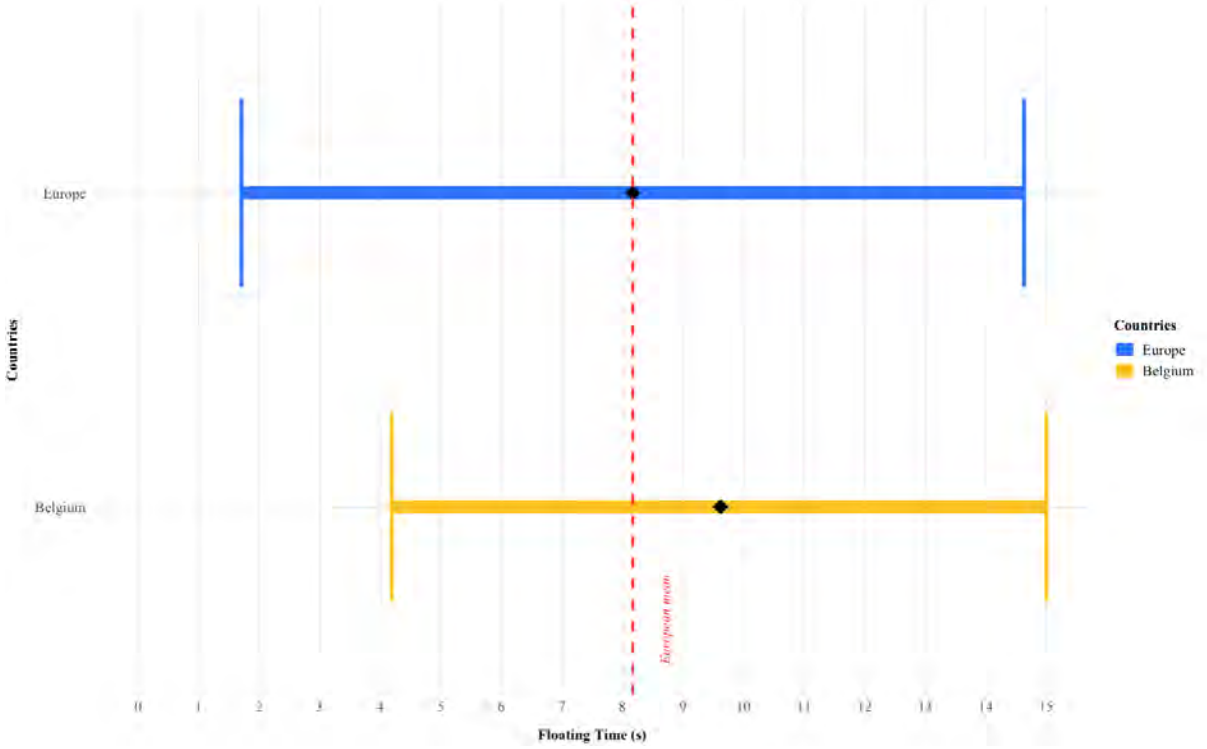


Figure 126. Distribution of the Floating in Europe and in Belgium (Mean±SD).

Table 217. Comparative Analysis of the Floating in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	514	1,968	4.56^{e-07} ***	0.2 [a]	0.98 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

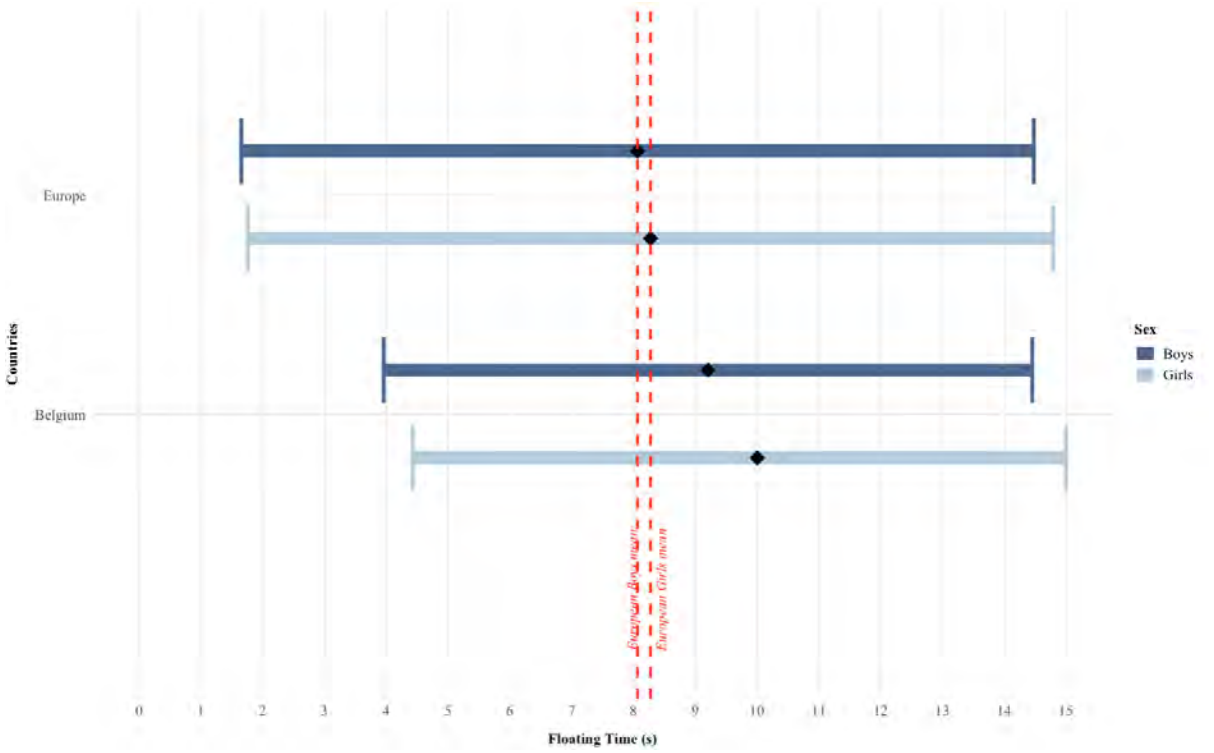


Figure 127. Distribution of the Floating according to the Sex in Europe and in Belgium (Mean±SD).

Table 218. Comparative Analysis of the Floating in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	248	1,003	0.004 **	0.08 [a]	0.61 [2]
	Girls	266	965	2.92^{e-05} ***	0.11 [a]	0.91 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 219. Comparative Analysis of the Floating in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	248	266	0.05	0.08 [a]	0.46 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

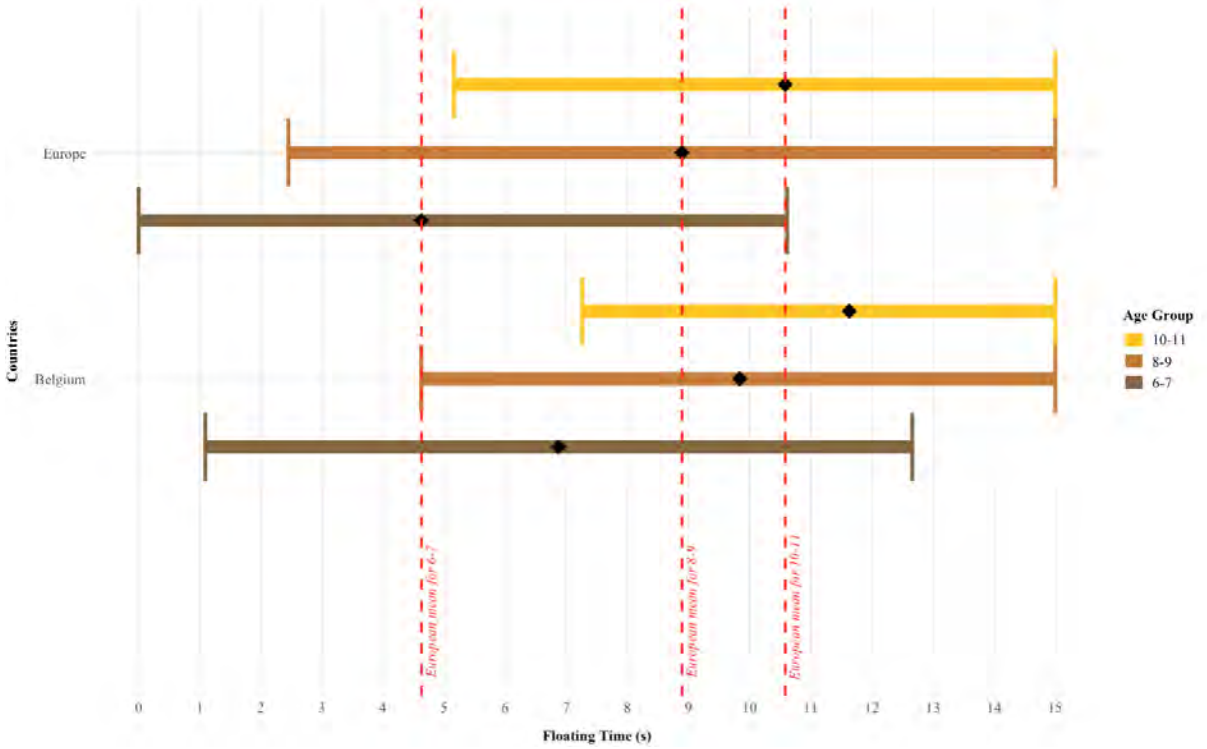


Figure 128. Distribution of the Floating according to the Age Group in Europe and in Belgium (Mean±SD).

Table 220. Comparative Analysis of the Floating in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	136	565	3.6^{e-08} ***	0.2 [a]	0.99 [4]
	8-9 yo	216	819	0.08	0.05 [a]	0.28 [1]
	10-11 yo	162	584	0.04 *	0.07 [a]	0.35 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 221. Comparative Analysis of the Floating in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	136	216		2.94^{e-06} ***	0.24 [b]	0.99 [1]
	8-9 yo *vs* 10-11 yo		216	162	9.43^{e-04} ***	0.16 [a]	0.88 [3]
	6-7 yo *vs* 10-11 yo	136		162	2.73^{e-12} ***	0.39 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

h. Rotations

Overview

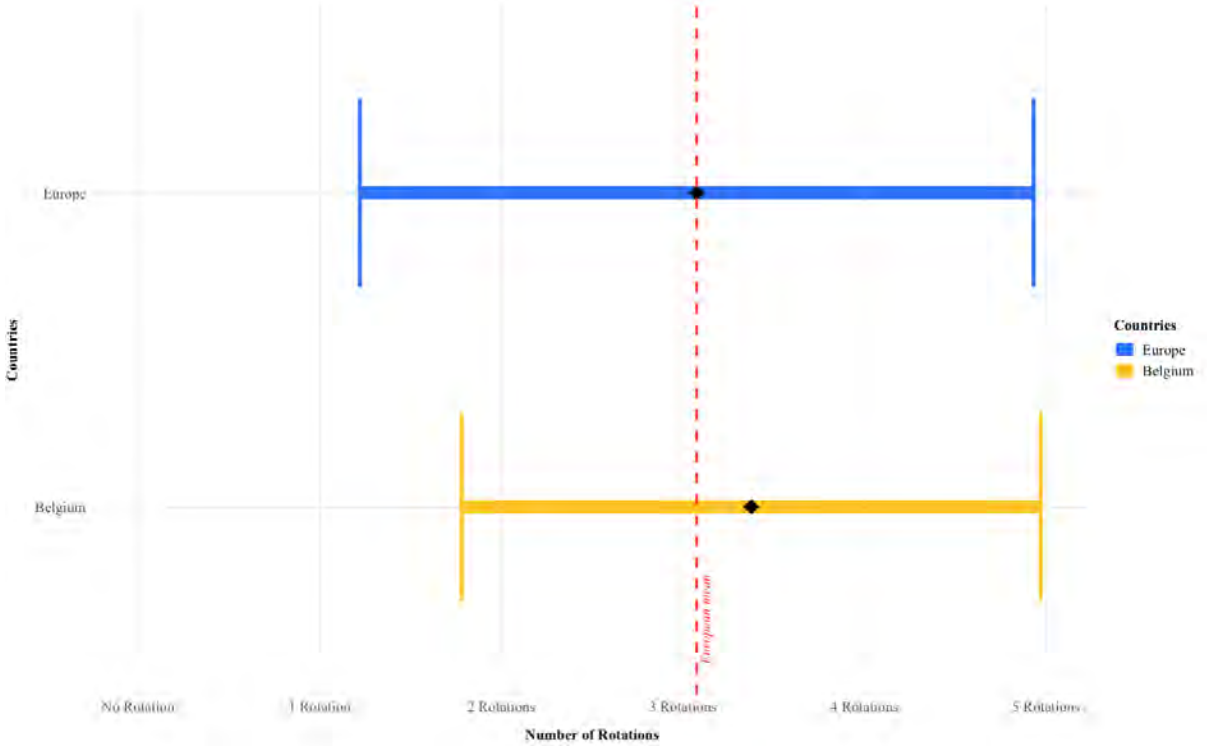


Figure 129. Distribution of the Rotations in Europe and in Belgium (Mean±SD).

Table 222. Comparative Analysis of the Rotations in Belgium *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	490	1,490	0.01 **	0.11 [a]	0.56 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

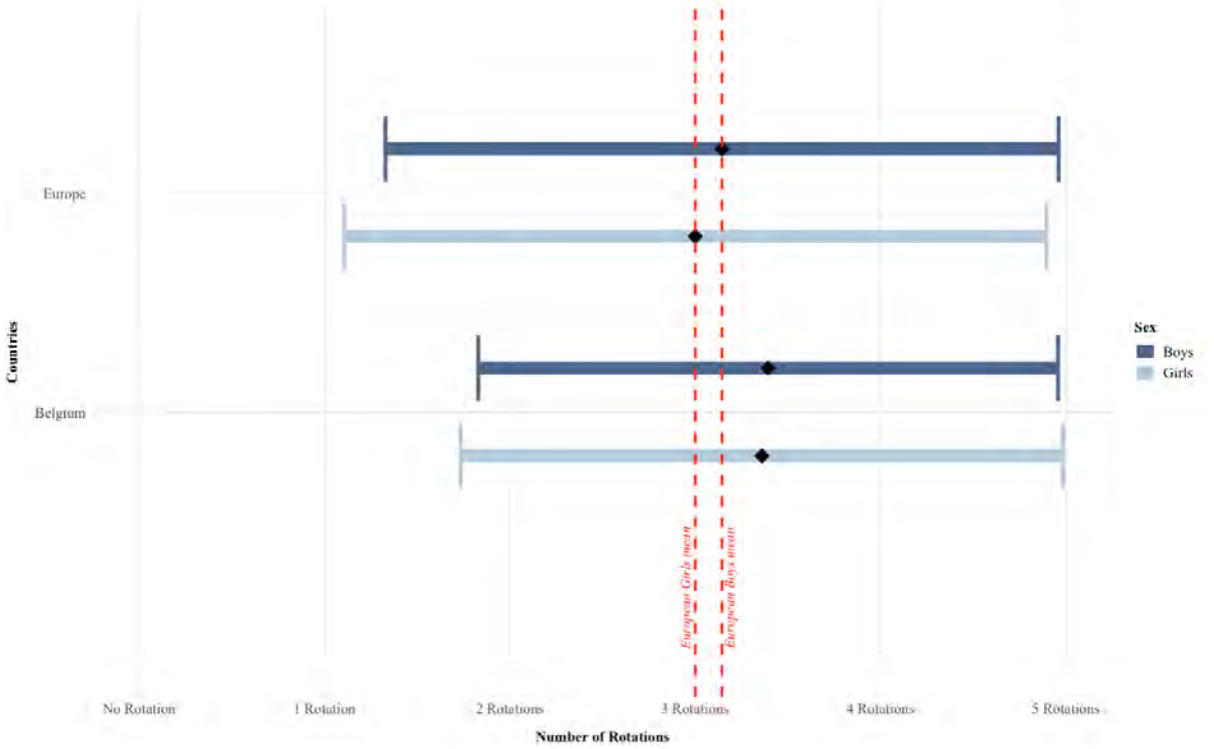


Figure 130. Distribution of the Rotations according to the Sex in Europe and in Belgium (Mean±SD).

Table 223. Comparative Analysis of the Rotations in Belgium *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Belgium)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium *vs* Europe	Boys	234	776	0.18	0.04 [a]	0.2 [1]
	Girls	256	714	0.02 *	0.07 [a]	0.49 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 224. Comparative Analysis of the Rotations in Belgium according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Belgium	Boys *vs* Girls	234	256	0.96	0.002 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

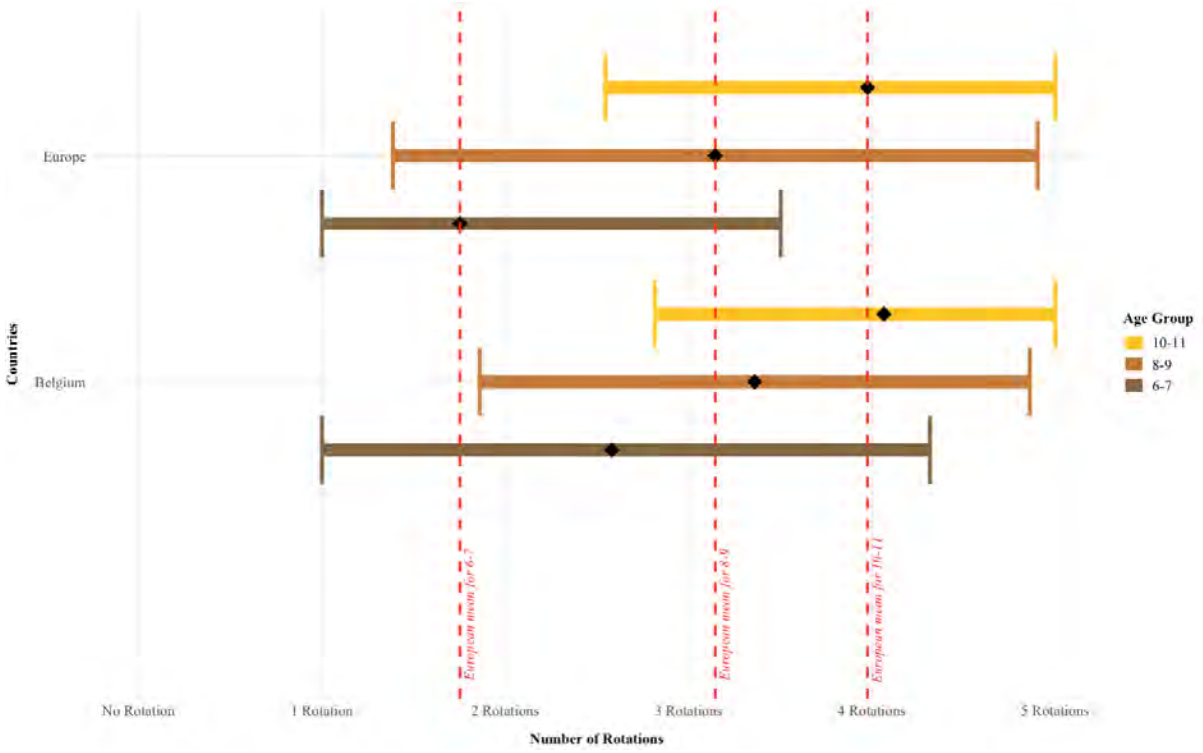


Figure 131. Distribution of the Rotations according to the Age Group in Europe and in Belgium (Mean±SD).

Table 225. Comparative Analysis of the Rotations in Belgium *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Belgium)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium *vs* Europe	6-7 yo	129	372	1.83^{e-06} ***	0.21 [b]	0.99 [4]
	8-9 yo	208	620	0.31	0.03 [a]	0.14 [1]
	10-11 yo	153	498	0.88	0.005 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 226. Comparative Analysis of the Rotations in Belgium according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Belgium	6-7 yo *vs* 8-9 yo	129	208		5.62^{e-05} ***	0.21 [b]	0.97 [4]
	8-9 yo *vs* 10-11 yo		208	153	1.8^{e-06} ***	0.24 [b]	1 [4]
	6-7 yo *vs* 10-11 yo	129		153	1.99^{e-13} ***	0.42 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

E. National Strengths and Weaknesses

a. General overview in Belgium *vs.* Europe

Tests	Strengths	Weaknesses
Parental questionnaire	✅ Number of lessons taken at school ✅ Number of lessons taken out-of-school ✅ Do the parents "Can Swim"?	❌ Parental education
Child questionnaire	✅ Confidence in deep water ✅ Perceived entry in the water ✅ Perceived exit from the water ✅ Perceived rotations ✅ Perceived propulsion on the back ✅ Perceived propulsion on the belly ✅ Enjoyment during swimming lessons at school ✅ Enjoyment during swimming lessons at school with friends ✅ Enjoyment while playing freely in the swimming pool ✅ Enjoyment while playing freely in the swimming pool with friends ✅ Low risk in the swimming pool ✅ Low risk in open water	❌ Identified motivation ❌ Enjoyment during swimming lessons out-of-school ❌ Enjoyment during swimming lessons out-of-school with friends ❌ Opportunities to do (more) swimming races ❌ Opportunities to do (more) artistic swimming ❌ Opportunities to do (more) activity 2 ❌ High risk in the swimming pool
Isolated tasks	✅ Entry ✅ Exit ✅ Propulsion on the belly ✅ Propulsion on the back ✅ Submersion ✅ Breathing ✅ Treading water ✅ Floating ✅ Rotations	*NA*

b. Analyse by sex in Belgium *vs* Europe

Tests	Strengths	Weaknesses
Parental questionnaire	✅ Number of lessons taken at school (in Boys & Girls) ✅ Number of lessons taken out-of-school (in Boys & Girls)	*NA*
Child questionnaire	✅ Intrinsic motivation (in Girls) ✅ Confidence in deep water (in Boys & Girls) ✅ Perceived entry in the water (in Boys & Girls) ✅ Perceived exit from the water (in Boys & Girls) ✅ Perceived rotations (in Boys & Girls) ✅ Perceived propulsion on the back (in Girls) ✅ Perceived propulsion on the belly (in Girls) ✅ Enjoyment during swimming lessons at school (in Boys & Girls) ✅ Enjoyment during swimming lessons at school with friends (in Boys & Girls) ✅ Enjoyment while playing freely in the swimming pool (in Boys & Girls) ✅ Enjoyment while playing freely in the swimming pool with friends (in Girls) ✅ Low risk in the swimming pool (in Boys & Girls) ✅ Low risk in open water (in Boys & Girls) ✅ High risk in open water (in Boys)	❌ Identified motivation (in Boys) ❌ Enjoyment during swimming lessons out-of-school (in Boys & Girls) ❌ Enjoyment during swimming lessons out-of-school with friends (in Boys & Girls) ❌ Opportunities to do (more) swimming races (in Boys) ❌ Opportunities to do (more) artistic swimming (in Boys) ❌ High risk in the swimming pool (in Girls)
Isolated tasks	✅ Entry (in Boys & Girls) ✅ Exit (in Girls) ✅ Propulsion on the belly (in Boys & Girls) ✅ Propulsion on the back (in Boys & Girls) ✅ Submersion (in Boys & Girls) ✅ Breathing (in Girls) ✅ Treading water (in Boys) ✅ Floating (in Boys & Girls) ✅ Rotations (in Girls)	*NA*

c. Analyse by sex in Belgium

Tests	Boys > Girls	Boys < Girls
Parental questionnaire	*NA*	*NA*
Child questionnaire	- Perceived entry in the water - Perceived submersion - Opportunities to do (more) water polo - Opportunities to do (more) diving - Opportunities to do (more) activity 2 - Opportunities to do (more) activity 3 - Opportunities to do (more) activity 4	- Intrinsic motivation - Opportunities to do (more) artistic swimming
Isolated tasks	- Entry	*NA*

d. Analyse by age group in Belgium *vs* Europe

Tests	Strengths	Weaknesses
Parental questionnaire	✅ Number of lessons taken at school (in all 3 age groups) ✅ Number of lessons taken out-of-school (in 6-7 & 8-9)	*NA*
Child questionnaire	✅ Confidence in deep water (in all 3 age groups) ✅ Perceived entry in the water (in 6-7 & 8-9) ✅ Perceived exit from the water (in 6-7 & 8-9) ✅ Perceived rotations (in 6-7 & 8-9) ✅ Perceived breathing (in 6-7) ✅ Perceived propulsion on the back (in 10-11) ✅ Perceived submersion (in 6-7) ✅ Enjoyment during swimming lessons at school (in 6-7 & 8-9) ✅ Enjoyment during swimming lessons at school with friends (in 6-7 & 8-9) ✅ Enjoyment while playing freely in the swimming pool (in 6-7 & 10-11) ✅ Enjoyment while playing freely in the swimming pool with friends (in 8-9 & 10-11) ✅ Enjoyment while playing freely in the swimming pool with family (in 10-11) ✅ Opportunities to do (more) activity 1 (in 10-11) ✅ Low risk in the swimming pool (in all 3 age groups) ✅ Low risk in open water (in 8-9 & 10-11) ✅ High risk in open water (in 10-11)	❌ Identified motivation (in 8-9) ❌ Perceived floating (in 8-9) ❌ Enjoyment during swimming lessons out-of-school (in 10-11) ❌ Enjoyment during swimming lessons out-of-school with friends (in 8-9 & 10-11) ❌ Enjoyment while playing freely in the swimming pool with family (in 8-9) ❌ Opportunities to do (more) swimming races (in 8-9) ❌ Opportunities to do (more) artistic swimming (in 6-7 & 8-9) ❌ Opportunities to do (more) activity 2 (in 8-9) ❌ High risk in the swimming pool (in 8-9)
Isolated tasks	✅ Entry (in all 3 age groups) ✅ Exit (in 6-7 & 8-9) ✅ Propulsion on the belly (in 6-7 & 8-9) ✅ Propulsion on the back (in all 3 age groups) ✅ Submersion (in all 3 age groups) ✅ Breathing (in 6-7) ✅ Treading water (in 6-7) ✅ Floating (in 6-7 & 10-11) ✅ Rotation (in 6-7)	*NA*

e. Analyse by age group in Belgium

Tests	Positive evolution	Negative evolution	Neutral evolution	Chaotic evolution
Parental questionnaire	↗↗ Number of swimming lessons taken at school	*NA*	Parental education Number of swimming lessons out-of-school Does parents can swim	Identified motivation
Child questionnaire	↗ ➡ Intrinsic motivation ↗↗ Confidence in deep water ↗↗ Perceived rotations ↗ Perceived propulsion on the back ↗ Perceived propulsion on the belly ↗ Perceived floating ↗ Opportunities to do (more) water sport 3 ↗ High risk in open water	↘↘ Perceived breathing ↘ Enjoyment during swimming lessons at school ↘ Enjoyment during swimming lessons at school with friends ↘ Enjoyment during swimming lessons out-of-school ↘↘ Enjoyment during swimming lessons out-of-school with friends ↘ Enjoyment while playing in the swimming pool with friends ↘ ➡ Enjoyment playing in the swimming pool with family ↘ Opportunities to do (more) swimming races ↘ High risk in the swimming pool	➡ Perceived entry in the water ➡ Perceived exit from the water ➡ Perceived treading water ➡ Perceived submersion ➡ Enjoyment while playing in the swimming pool ➡ Opportunities to do (more) Water Polo ➡ Opportunities to do (more) artistic swimming ➡ Opportunities to do (more) diving ➡ Opportunities to do (more) water sport 1 ➡ Opportunities to do (more) water sport 2 ➡ Opportunities to do (more) water sport 4 ➡ Low risk in swimming pool ➡ Low risk in open water	*NA*
Isolated tasks	↗↗ Entry in the water ↗↗ Exit from the water ↗↗ Propulsion on the belly ↗↗ Propulsion on the back ↗↗ Submersion ↗ ➡ Breathing ↗↗ Treading water	*NA*	*NA*	*NA*

	↗↗ Floating ↗↗ Rotation			

F. Recommendations

a. Curriculum management

Collecting national data with the same test battery to give an indication of the aquatic literacy.

No institutions gather or share data on children's swimming levels, this is the responsibility of the schools. Learn to swim is compulsory in Flanders, only for elementary school, with very vague final attainment levels (cfr. content). There is freedom to fill in the curriculum and assess the level, while being inspired buy the (a) suggested curricula and pedagogical advices from the educational networks, (b) the learn to swim program of the swimming federation (ZwemFed) and Lifesaving federation (RedFed), (c) initiatives of the Flemish PE teacher association (BVLO) & Network local sports policy bringing together swim experts.

Decrease financial pressure on schools and parents by more local cooperation in the community with swimming pool operators and school communities.

Schools need to offer the swimming lessons for free during one school year. The other years they can ask a contribution from the parents within a global maximum school invoice. Especially in the youngest age group (6-7y) parents are more likely to enroll their children in an extra-curricular swimming school swimming program.

b. Timetable

Increase the swimming hours and spread them over the three age groups.

As the swimming lessons are compulsory at school, this has an impact on the number of lessons taken at school. The higher hours of school swimming for Flemish children is still relative and decreasing over time. Recent data (Sleurs, 2024) indicate the concern of too much pressure on the school planning due to transport resulting in a decrease in swimming lessons.

c. Localisation and equipment

Create more systematic local cooperation for an efficient use of the water: school + swimming pool + local community.

Swimming and water recreation is in our culture, taking into account the swimming pools and open water opportunities (North sea, lakes, *etc.*). Drowning figures indicate that migrants are less aware of dangers and overestimate their own skills in open water.

There are big differences between schools having problems regarding distance and accessibility of space in the pool. Swimming lessons in open water (in spring & summer) are not structural organised due to lack of time, need of extra staff and concerns of safety.

d. Staff

Improve the training of primary school swimming instructors for all 9 fundamental skills (variation & differentiation) and social/interactive exercises and activities.

Create opportunities for activities such as water polo, artistic swimming, boarding (in 10-11y), … .

There is a need for a broader approach then 'swimming', by offering other aquatic disciplines which can increase enjoyment during swimming lessons among the oldest age group.

e. Assessment

Make assessment conform in every school. Combine the perceptions of the children with the actual skills by talking about the performances and individual and contextual differences.

Learn to swim is compulsory in Flanders but with very vague final attainment levels.

f. Contents

Keep swimming as an important part of the school curriculum and stimulate peer interactions during the program/exercises.

Give special attention to the decreasing enjoyment in school swimming of the oldest age group (10-11y).

Flemish children enjoy swimming lessons at school more than in other EU countries, especially the youngest age groups. Children also appreciate the social aspect, being in the water with friends during the school swimming.

Among the Flemish children there is a decrease in their enjoyment for swimming lessen in and outside school.

Invest in child-friendliness and attractiveness of extra-curricular swim programs with special attention to older children and boys.

In terms of enjoyment during after-school swimming lessons, boys experience less enjoyment than girls.

Implement a swim program from shallow to deep water with practices for everyone so all children gain confidence in deep water. Keep repeating skills with enough variation and differentiation. Integrate aquatic breathing in a wide variation of water activities.

Especially Flemish girls and younger age groups have more confidence in deep water compared the other EU countries.

Flemish children master the following skills better in EU: entry, exit (girls) and floating (girls). The perception of being able to do rotations is higher that EU. The youngest age group (6-7y) has a higher score on the skills: entry, exit, propulsion on belly & back, floating and rotation.

Taking into account the age groups among the Flemish children, there is a positive evolution of children's confidence in deep water. Also the perception of the following skills increases with age: rotations, propulsion on the belly and floating. In all of the skills there is a positive evolution according to age, except for breathing.

Expand the swimming program with opportunities of aquatic disciplines such as water polo, artistic swimming and boarding activities, with special attention for the 10-11y age group.

There is an interest among the children for a broader approach then 'swimming', to try out other aquatic disciplines which can increase enjoyment during swimming lessons among the oldest age group.

Flemish children in the oldest age group have a higher interest in boarding activities, indicating the importance of a transition from swimming pool to open water recreation.

CHAPTER 4. Aquatic Literacy level in France

A. Representative sample of the country

French cities participating in the study

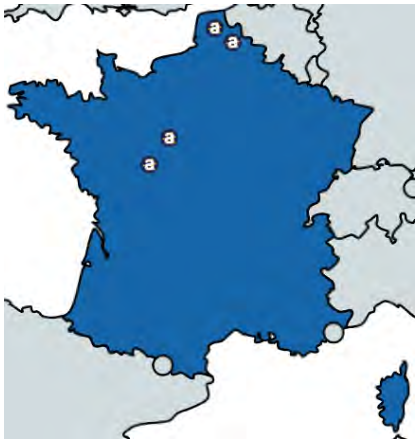


Figure 132. French Cities participating in the study.

Figure 132 presents the French cities that took part in the study. Four cities participated: Lille, Saint-Amand-les-Eaux, Monts, Tours.

Rounded numbers

Table 227. Number of participants for each part of the test in France and in Europe.

	Parental questionnaire *n*=	**Child questionnaire** *n*=	**Isolated tasks test** *n*=
France	605	583	528
Europe	2,532	2,433	2,003
Total	**3,137**	**3,016**	**2,531**

Notes. Europe represents the other countries participating in the study (i.e., Belgium, Germany, Lithuania, Norway, Poland and Portugal).

Table 227. Number of participants for each part of the test in France and in Europe. presents the number of respondents for each part of the test.

Samples

Table 228. Representativity of the sample according to the sex and the age group in each part of the test for the French sample.

		Parental questionnaire *n*=	Child questionnaire *n*=	Isolated tasks test *n*=
Sex	**Boys**	287	284	257
	Girls	318	299	271
Age group	**6-7 yo**	230	217	199
	8-9 yo	247	237	230
	10-12 yo	128	129	99

Notes. *yo=year-olds*

Table 229. Representativity of the sample according to the sex and the age group in each part of the test for the European sample.

		Parental questionnaire *n*=	Child questionnaire *n*=	Isolated tasks test *n*=
Sex	**Boys**	1,294	1,234	1,023
	Girls	1,238	1,199	980
Age group	**6-7 yo**	750	697	522
	8-9 yo	995	965	813
	10-12 yo	787	771	668

Notes. *yo=year-olds*

Table 228 presents the representative French sample according to the sex and the age group in each part of the test, and **Table 228** the European representative sample.

B. Parental questionnaire

Descriptive statistics

Table 230. Number of caregivers answering to the different question of the questionnaire.

Country	Sex	Age group	Parental education (n=)	Number of lessons at school (n=)	Number of lessons out of school (n=)	Do parents can swim? (n=)
Europe	Boys	6-7	360	338	345	368
		8-9	500	454	480	528
		10-11	382	333	354	391
	Girls	6-7	362	337	356	379
		8-9	433	403	422	463
		10-11	373	327	350	390
France	Boys	6-7	80	74	82	93
		8-9	98	98	107	128
		10-11	49	43	49	60
	Girls	6-7	108	120	115	132
		8-9	96	97	96	114
		10-11	53	47	56	65
Total			***2,894***	***2,671***	***2,812***	***3,111***

Notes. Europe: Belgium, Germany, Lithuania, Norway, Poland and Portugal.

Table 231. Descriptive analyse of the parental questionnaire.

Country	Sex	Age group	Parental education Mean (±SD)	Number of lessons at school Mean (±SD)	Number of lessons out-of-school Mean (±SD)	Do parents can swim? Mean (±SD)
Europe	Boys	6-7	4.6 (±0.87)	1.71 (±1.31)	2.64 (±1.68)	1.45 (±0.66)
		8-9	4.48 (±0.92)	2.75 (±1.6)	2.79 (±1.74)	1.43 (±0.67)
		10-11	4.53 (±0.88)	3.46 (±1.62)	3.18 (±1.71)	1.51 (±0.62)
	Girls	6-7	4.57 (±0.84)	1.83 (±1.37)	2.81 (±1.77)	1.42 (±0.68)
		8-9	4.49 (±0.92)	2.59 (±1.58)	2.78 (±1.78)	1.44 (±0.68)
		10-11	4.45 (±0.97)	3.61 (±1.55)	3.16 (±1.74)	1.55 (±0.62)
France	Boys	6-7	4.22 (±1.15)	1.65 (±0.84)	1.61 (±1.2)	1.26 (±0.76)
		8-9	4.24 (±1)	2.1 (±1.13)	2.05 (±1.47)	1.23 (±0.77)
		10-11	4.17 (±1.2)	2.42 (±1.34)	1.92 (±1.34)	1.24 (±0.7)
	Girls	6-7	4.22 (±1.06)	1.77 (±1)	1.51 (±1.16)	1.24 (±0.74)
		8-9	4.1 (±1.24)	2.13 (±1.16)	2.12 (±1.53)	1.29 (±0.69)
		10-11	3.85 (±1.31)	2.96 (±1.59)	2.25 (±1.65)	1.27 (±0.67)

Notes. Europe: Belgium, Germany, Lithuania, Norway, Poland and Portugal.

a. Parental Education

Overview

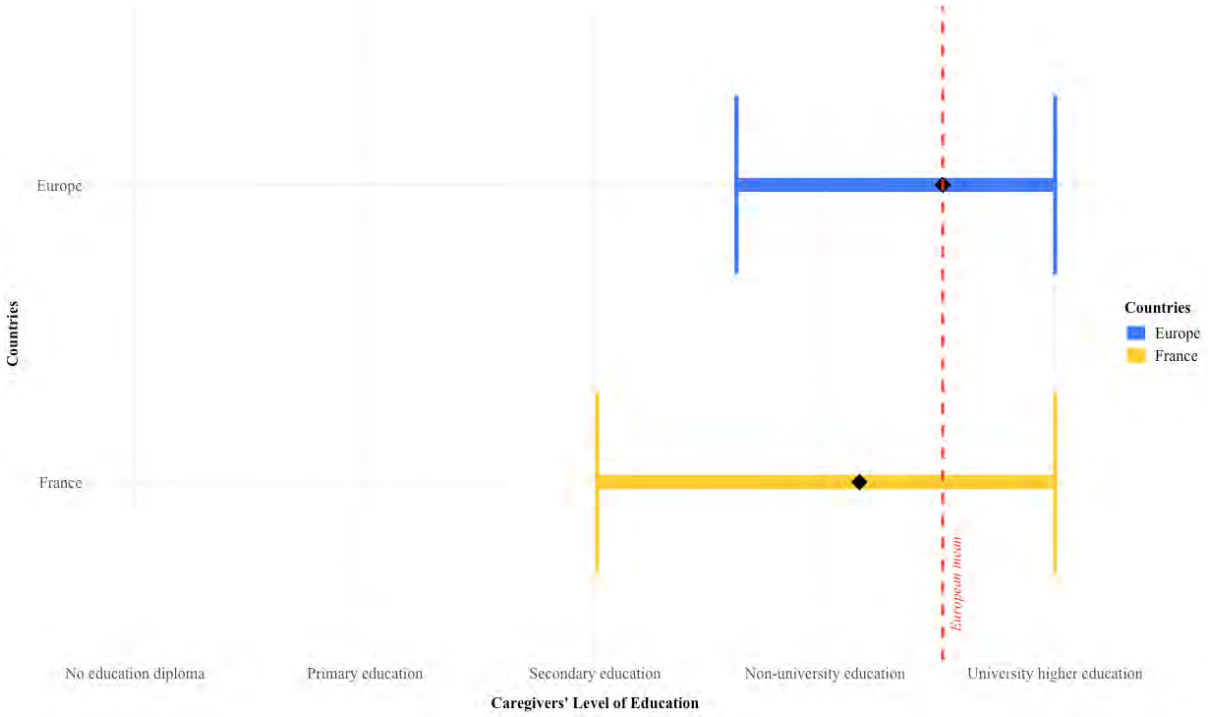


Figure 133. Distribution of the Caregivers' Level of Education in Europe and in France (Mean±SD).

Table 232. Comparative Analysis of Caregivers' Level of Education in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	484	2,410	5.98^{e-16} ***	0.12	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

b. Number of lessons in school

Overview

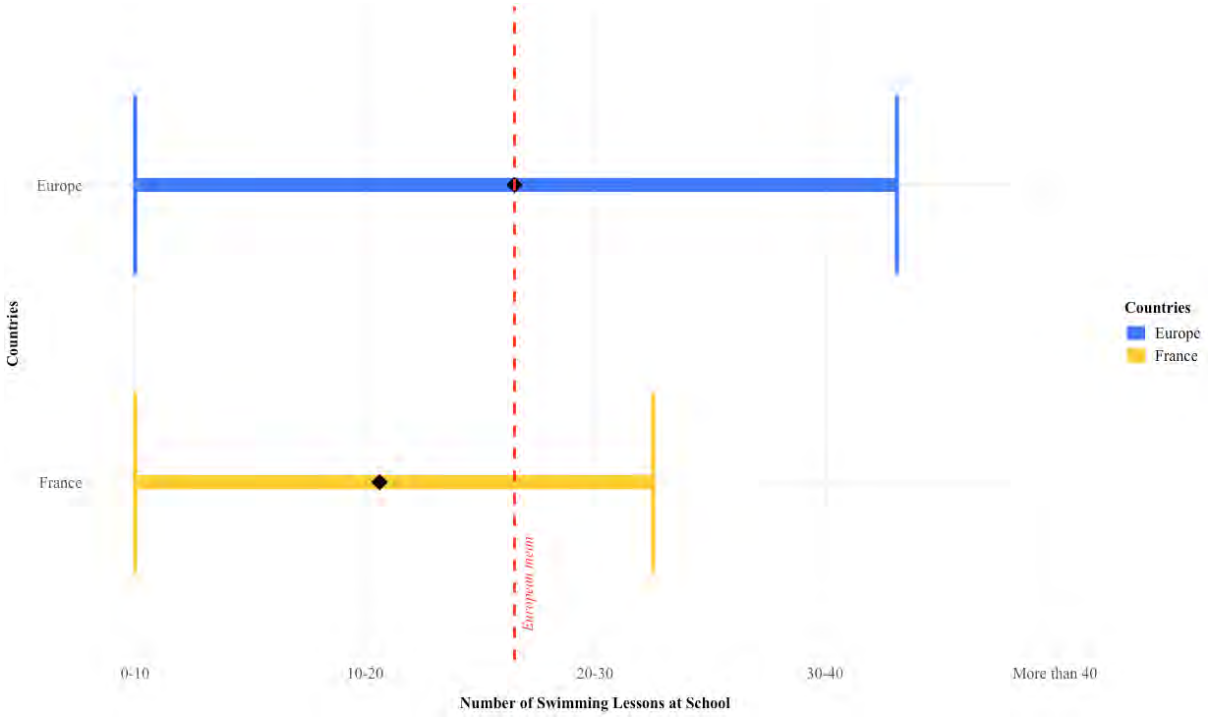


Figure 134. Distribution of the the Number of Lessons at School in Europe and in France (Mean±SD).

Table 233. Comparative Analysis of the Number of Lessons at School in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	479	2,192	1.64^{e-08} ***	0.1 [a]	0.99 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

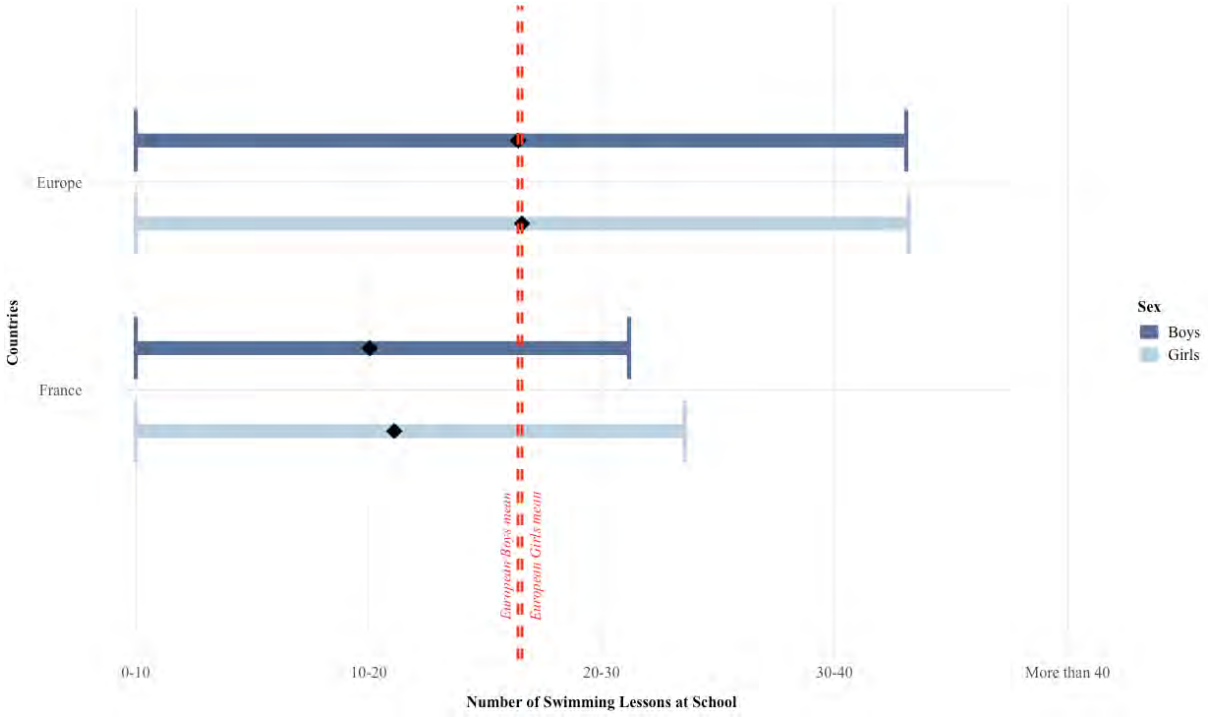


Figure 135. Distribution of the the Number of Lessons at School according to the Sex the Sex in Europe and in France (Mean±SD).

Table 234. Comparative Analysis of the Number of Lessons at School in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	Boys	264	1,067	6.15^{e-05} ***	0.1 [a]	0.87 [3]
	Girls	215	1,125	6.14^{e-05} ***	0.1 [a]	0.8 [3]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 235. Comparative Analysis of the Number of Lessons at School in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France	Boys *vs* Girls	215	264	0.61	0.02 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

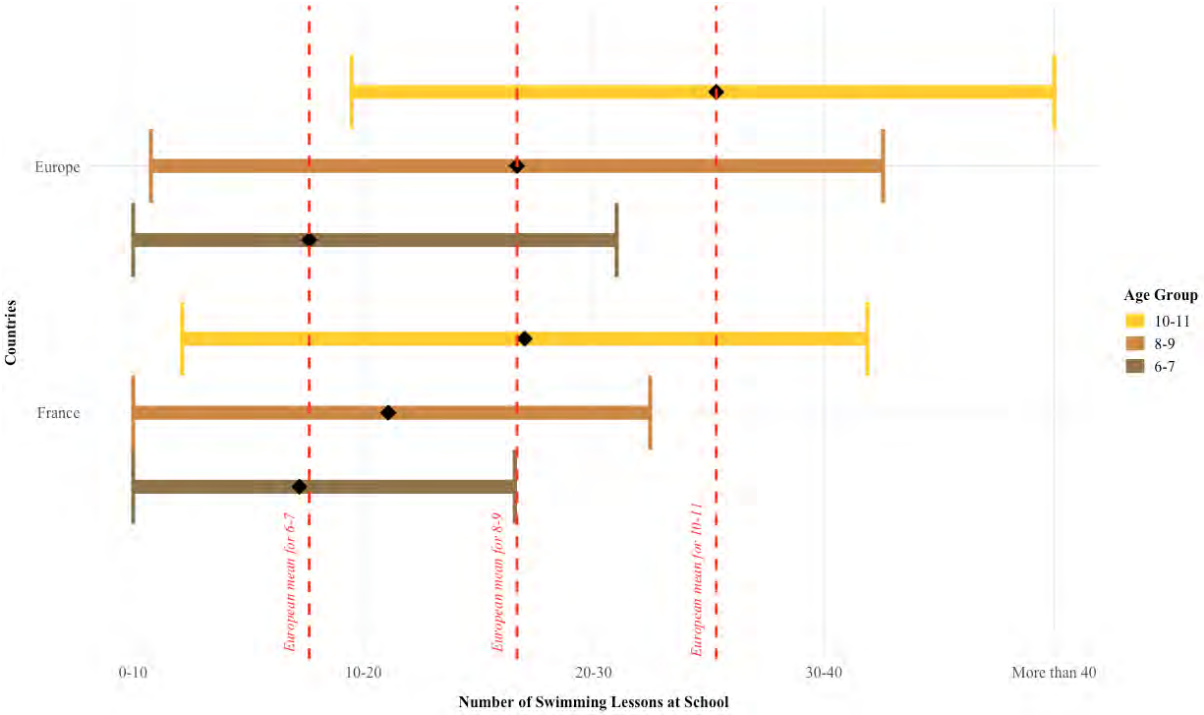


Figure 136. Distribution of the the Number of Lessons at School according to the Age Group in Europe and in France (Mean±SD).

Table 236. Comparative Analysis of the Number of Lessons at School in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	194	675	0.01 *	0.07 [a]	0.4 [1]
	8-9 yo	195	857	2.1^{e-04} ***	0.11 [a]	0.8 [3]
	10-11 yo	90	660	2^{e-06} ***	0.17 [a]	0.85 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 237. Comparative Analysis of the Number of Lessons at School in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	194	195		4.01^{e-04} ***	0.17 [a]	0.92 [4]
	8-9 yo *vs* 10-11 yo		195	90	2.8^{e-03} **	0.17 [a]	0.77 [2]
	6-7 yo *vs* 10-11 yo	194		90	6.67^{e-08} ***	0.3 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

c. Number of lessons out-of-school

Overview

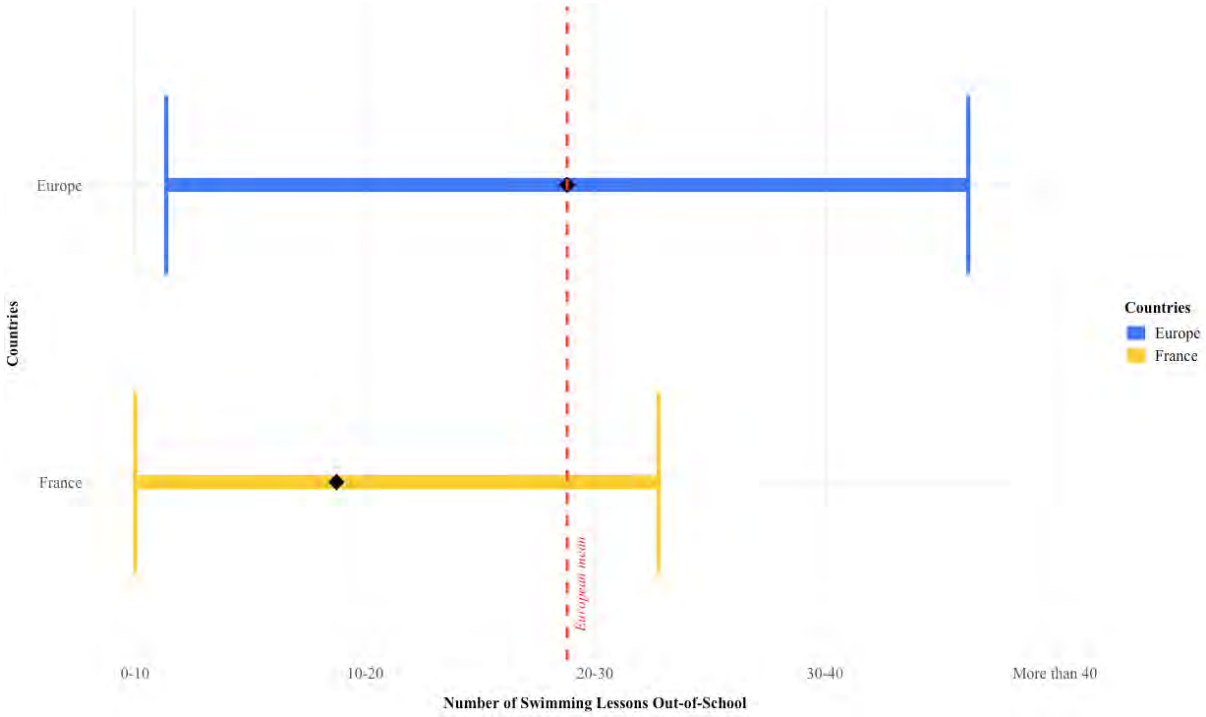


Figure 137. Distribution of the the Number of Lessons Out-of-School in Europe and in France (Mean±SD).

Table 238. Comparative Analysis of the Number of Lessons Out-of-School in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	505	2,307	1.44^{e-32} ***	0.21 [b]	0.43 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

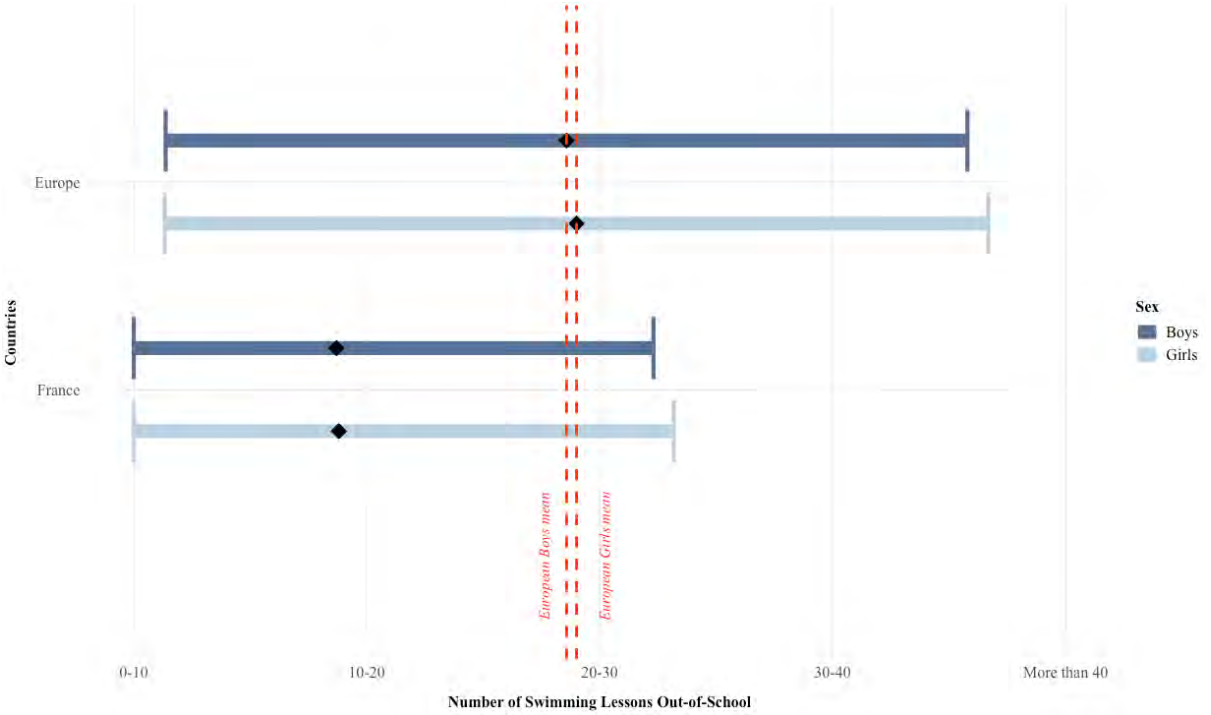


Figure 138. Distribution of the the Number of Lessons Out-of-School according to the Sex in Europe and in France (Mean±SD).

Table 239. Comparative Analysis of the Number of Lessons Out-of-School in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	Boys	238	1,179	3.55^{e-16} ***	0.21 [b]	1 [4]
	Girls	267	1,138	5.65^{e-18} ***	0.22 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 240. Comparative Analysis of the Number of Lessons Out-of-School in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France	Boys *vs* Girls	267	238	0.65	0.02 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

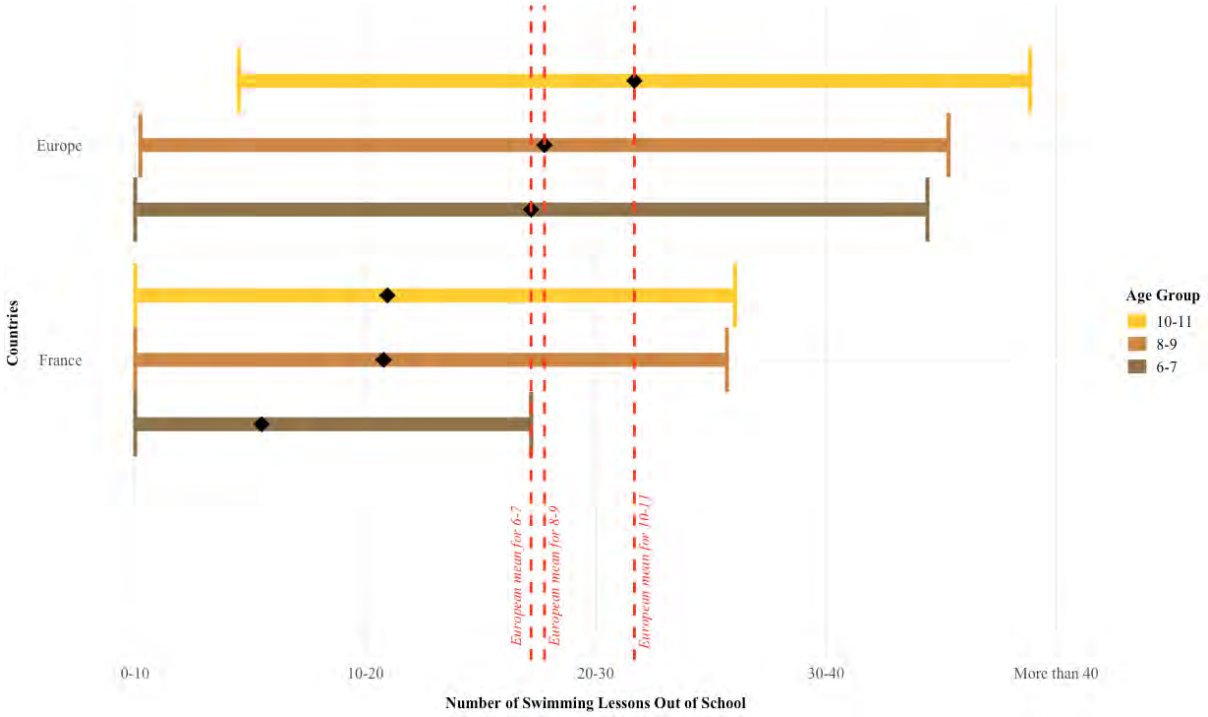


Figure 139. Distribution of the the Number of Lessons Out-of-School according to the Age Group in Europe and in France (Mean±SD).

Table 241. Comparative Analysis of the Number of Lessons Out-of-School in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	197	701	1.24^{e-18} ***	0.27 [b]	1 [4]
	8-9 yo	203	902	1.97^{e-07} ***	0.15 [a]	0.97 [4]
	10-11 yo	105	704	6.64^{e-09} ***	0.19 [a]	0.97 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 242. Comparative Analysis of the Number of Lessons Out-of-School in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	197	203		5.25^{e-05} ***	0.17 [a]	0.93 [4]
	8-9 yo *vs* 10-11 yo		203	105	0.83	0.01 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	197		105	2.28^{e-04} ***	0.17 [a]	0.83 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

d. Do parents/caregivers know to swim?

Overview

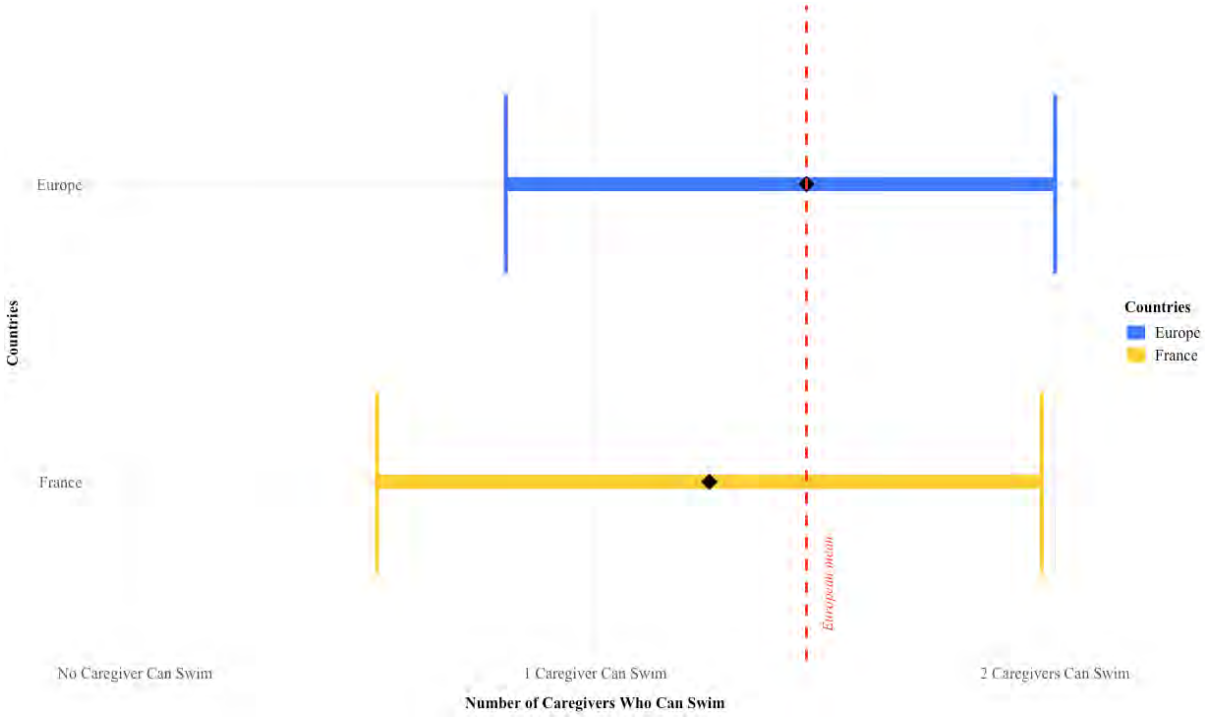


Figure 140. Distribution of the the Number of Caregivers Who Can Swim in Europe and in France (Mean±SD).

Table 243. Comparative Analysis of the Number of Caregivers Who Can Swim in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	592	2,519	3.78^{e-11} ***	0.21^{b}	1^{4}

1Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

C. Child questionnaire

Descriptive analysis

Table 244. Number of children answering to the child questionnaire

Country	Sex	Age group	Intrinsic motivation (n=)	Identified motivation (n=)	Confidence in deep water (n=)	Perceived entry (n=)	Perceived exit (n=)
Europe	Boys	6-7	337	94	334	294	304
		8-9	512	128	507	465	463
		10-11	382	61	382	360	360
	Girls	6-7	356	122	352	328	330
		8-9	451	108	450	412	425
		10-11	389	67	384	363	370
France	Boys	6-7	94	94	92	94	94
		8-9	128	128	128	124	125
		10-11	61	61	60	60	60
	Girls	6-7	121	122	121	121	122
		8-9	108	108	107	107	106
		10-11	67	67	65	67	66
Total			**3,006**	**3,006**	**2,982**	**2,795**	**2,825**

Country	Sex	Age group	Perceived rotation (n=)	Perceived breathing (n=)	Perceived treading (n=)	Perceived back propulsion (n=)	Perceived belly propulsion (n=)
Europe	Boys	6-7	276	307	306	301	299
		8-9	424	484	482	468	467
		10-11	331	359	365	360	355
	Girls	6-7	303	327	330	324	323
		8-9	380	421	426	416	419
		10-11	333	361	367	360	362
France	Boys	6-7	93	95	95	95	95
		8-9	123	127	123	124	127
		10-11	59	61	61	61	59
	Girls	6-7	120	120	116	120	116
		8-9	108	108	106	106	108
		10-11	68	68	67	67	67
Total			**2,618**	**2,838**	**2,844**	**2,802**	**2,787**

Country	Sex	Age group	Perceived submersion (n=)	Perceived floatation (n=)	Like lessons at school (n=)	Like lessons at school with friends (n=)	Like lessons out-of- school (n=)
Europe	Boys	6-7	299	302	159	161	229
		8-9	468	468	375	380	357
		10-11	357	358	324	329	301
	Girls	6-7	327	324	187	191	272
		8-9	416	420	325	323	297
		10-11	359	363	358	359	287
France	Boys	6-7	95	94	84	85	66
		8-9	127	128	121	123	88
		10-11	61	61	60	60	40
	Girls	6-7	116	116	101	104	77
		8-9	108	108	102	108	75
		10-11	68	68	64	67	46
Total			**2,801**	**2,810**	**2,260**	**2,290**	**2,135**

Notes. Europe: Belgium, Germany, Lithuania, Norway, Poland and Portugal.

Table 244. Cont.

Country	Sex	Age group	Like lessons out-of- school with friends (n=)	Like paying in the pool (n=)	Like paying in the pool with friends (n=)	Like paying in the pool with family (n=)
Europe	Boys	6-7	244	320	317	316
		8-9	360	496	483	488
		10-11	292	372	368	367
	Girls	6-7	284	343	339	336
		8-9	320	442	435	432
		10-11	292	381	380	379
France	Boys	6-7	70	90	87	91
		8-9	86	118	120	122
		10-11	40	61	59	57
	Girls	6-7	78	109	112	112
		8-9	76	108	104	105
		10-11	51	66	68	65
Total			**2,195**	**2,906**	**2,872**	**2,870**

Country	Sex	Age group	Swimming Race (n=)	Water-Polo (n=)	Synchronised Swimming (n=)	Diving (n=)	Activity 1 (n=)	Activity 2 (n=)
Europe	Boys	6-7	318	29	312	313	315	315
		8-9	500	496	503	498	501	499
		10-11	375	375	371	371	371	369
	Girls	6-7	347	347	340	344	339	342
		8-9	446	442	443	444	443	443
		10-11	388	388	385	383	382	380
France	Boys	6-7	94	95	92	93	94	94
		8-9	127	127	125	128	125	124
		10-11	61	59	59	59	60	60
	Girls	6-7	120	120	120	116	118	120
		8-9	109	106	107	105	107	108
		10-11	68	68	66	66	67	66
Total			**2,953**	**2,941**	**2,923**	**2,920**	**2,922**	**2,920**

Country	Sex	Age group	Activity 3 (n=)	Activity 4 (n=)	Low risk in the pool (n=)	High risk in the pool (n=)	Low risk open water (n=)	High risk open water (n=)
Europe	Boys	6-7	316	317	329	328	328	328
		8-9	497	497	511	511	510	510
		10-11	370	372	376	376	373	373
	Girls	6-7	345	349	354	353	349	348
		8-9	443	443	451	451	451	450
		10-11	383	379	387	387	387	388
France	Boys	6-7	89	94	94	93	95	95
		8-9	123	126	126	127	127	127
		10-11	61	60	61	61	61	61
	Girls	6-7	119	118	122	122	122	122
		8-9	103	106	109	108	109	109
		10-11	67	65	68	68	68	68
Total			**2,916**	**2,926**	**2,988**	**2,985**	**2,980**	**2,979**

Notes. Europe: Belgium, Germany, Lithuania, Norway, Poland and Portugal.

Table 245. Descriptive analyse of the child questionnaire.

Country	Sex	Age group	Intrinsic motivation Mean (±SD)	Identified motivation Mean (±SD)	Confidence in deep water Mean (±SD)	Perceived entry Mean (±SD)	Perceived exit Mean (±SD)
Europe	Boys	6-7	4.52 (±0.76)	4.21 (±0.86)	3.33 (±1.62)	3.88 (±1.55)	4.29 (±1.44)
		8-9	4.51 (±0.67)	4.15 (±0.82)	3.89 (±1.4)	4.18 (±1.3)	4.58 (±1.06)
		10-11	4.58 (±0.62)	4.28 (±0.68)	4.35 (±1.02)	4.58 (±0.92)	4.8 (±0.67)
	Girls	6-7	4.63 (±0.7)	4.28 (±0.81)	3.4 (±1.6)	3.64 (±1.66)	4.32 (±1.34)
		8-9	4.65 (±0.58)	4.28 (±0.69)	3.72 (±1.35)	3.9 (±1.35)	4.48 (±1.14)
		10-11	4.51 (±0.64)	4.21 (±0.68)	4.24 (±1.01)	4.26 (±1.03)	4.71 (±0.77)
France	Boys	6-7	4.61 (±0.71)	4.08 (±1.03)	3.62 (±1.67)	3.75 (±1.81)	4.26 (±1.42)
		8-9	4.5 (±0.63)	4.17 (±0.81)	3.68 (±1.54)	4.05 (±1.56)	4.44 (±1.14)
		10-11	4.47 (±0.61)	4.07 (±0.72)	3.9 (±1.22)	4.49 (±1.16)	4.45 (±1.15)
	Girls	6-7	4.53 (±0.67)	4 (±0.91)	3.31 (±1.78)	3.09 (±1.99)	3.55 (±1.75)
		8-9	4.54 (±0.62)	4.16 (±0.79)	3.52 (±1.59)	3.71 (±1.61)	4.09 (±1.45)
		10-11	4.41 (±0.65)	4.17 (±0.65)	3.22 (±1.71)	3.99 (±1.5)	4.16 (±1.36)

Country	Sex	Age group	Perceived rotation Mean (±SD)	Perceived breathing Mean (±SD)	Perceived treading Mean (±SD)	Perceived back propulsion Mean (±SD)	Perceived belly propulsion Mean (±SD)
Europe	Boys	6-7	3.16 (±1.92)	4.07 (±1.51)	3.47 (±1.69)	3.45 (±1.7)	3.8 (±1.69)
		8-9	3.75 (±1.63)	4.38 (±1.07)	3.77 (±1.45)	4.06 (±1.41)	4.26 (±1.29)
		10-11	4.36 (±1.17)	4.49 (±0.8)	4.15 (±1.03)	4.38 (±0.99)	4.56 (±0.82)
	Girls	6-7	3.01 (±1.91)	4 (±1.51)	3.26 (±1.76)	3.69 (±1.65)	3.75 (±1.58)
		8-9	3.62 (±1.6)	4.38 (±0.97)	3.81 (±1.41)	4.05 (±1.34)	4.17 (±1.22)
		10-11	4.21 (±1.31)	4.36 (±0.87)	3.97 (±1.03)	4.23 (±1.1)	4.38 (±0.99)
France	Boys	6-7	2.93 (±1.97)	4.44 (±1.35)	3.46 (±1.89)	3.53 (±1.85)	4.07 (±1.53)
		8-9	3.41 (±1.85)	4.49 (±1.08)	3.61 (±1.65)	3.87 (±1.64)	4.14 (±1.45)
		10-11	3.73 (±1.76)	4.45 (±1.03)	3.81 (±1.68)	3.78 (±1.62)	4.41 (±1.02)
	Girls	6-7	2.2 (±1.88)	3.91 (±1.63)	2.97 (±1.88)	2.76 (±2.03)	3.37 (±1.98)
		8-9	3.19 (±1.74)	4.46 (±1.1)	3.17 (±1.85)	3.44 (±1.89)	3.82 (±1.62)
		10-11	3.33 (±1.89)	4.45 (±1.08)	3.42 (±1.72)	3.65 (±1.64)	3.98 (±1.55)

Country	Sex	Age group	Perceived submersion Mean (±SD)	Perceived floatation Mean (±SD)	Like lessons at school Mean (±SD)	Like lessons at school with friends Mean (±SD)	Like lessons out-of- school Mean (±SD)
Europe	Boys	6-7	3.76 (±1.7)	3.66 (±1.7)	4.16 (±1.28)	4.04 (±1.28)	4.31 (±1.19)
		8-9	4.28 (±1.21)	4.09 (±1.29)	4.11 (±1.2)	4.12 (±1.17)	4.23 (±1.17)
		10-11	4.43 (±0.92)	4.34 (±0.91)	4.08 (±1.07)	4.01 (±1)	4 (±1.16)
	Girls	6-7	3.73 (±1.66)	3.62 (±1.65)	4.41 (±1.02)	4.32 (±1.09)	4.28 (±1.21)
		8-9	4.25 (±1.22)	4.23 (±1.16)	4.2 (±1.03)	4.22 (±0.91)	4.38 (±0.99)
		10-11	4.26 (±1.04)	4.26 (±1.05)	3.92 (±1.12)	3.98 (±1)	4.15 (±0.99)
France	Boys	6-7	3.84 (±1.77)	3.62 (±1.83)	4.43 (±1.22)	4.12 (±1.43)	4.66 (±1)
		8-9	3.85 (±1.64)	4.04 (±1.43)	4.39 (±0.95)	4.28 (±1.18)	4.33 (±1.06)
		10-11	4.22 (±1.13)	4.22 (±1.28)	4.07 (±1.06)	3.95 (±1.2)	4.25 (±1.04)
	Girls	6-7	3.11 (±2.07)	3.26 (±1.93)	4.48 (±1)	4.27 (±1.22)	4.43 (±1.11)
		8-9	3.75 (±1.68)	4.03 (±1.5)	4.49 (±0.95)	4.28 (±1.1)	4.54 (±0.85)
		10-11	3.7 (±1.56)	4.25 (±1.1)	4.24 (±0.98)	4.14 (±0.99)	4.37 (±1.09)

Notes. Europe: Belgium, Germany, Lithuania, Norway, Poland and Portugal.

Table 245. Cont.

Country	Sex	Age group	Like lessons out-of- school with friends Mean (±SD)	Like paying in the pool Mean (±SD)	Like paying in the pool with friends Mean (±SD)	Like paying in the pool with family Mean (±SD)
Europe	Boys	6-7	4.21 (±1.23)	4.66 (±0.89)	4.6 (±0.96)	4.71 (±0.87)
		8-9	4 (±1.25)	4.66 (±0.83)	4.62 (±0.88)	4.7 (±0.77)
		10-11	3.95 (±1.14)	4.66 (±0.65)	4.71 (±0.66)	4.57 (±0.72)
	Girls	6-7	4.35 (±1.12)	4.75 (±0.72)	4.72 (±0.75)	4.79 (±0.69)
		8-9	4.25 (±1.02)	4.74 (±0.65)	4.71 (±0.74)	4.77 (±0.69)
		10-11	4.03 (±0.99)	4.59 (±0.78)	4.72 (±0.57)	4.66 (±0.68)
France	Boys	6-7	4.19 (±1.41)	4.73 (±0.93)	4.69 (±0.94)	4.63 (±1.03)
		8-9	4.05 (±1.32)	4.83 (±0.58)	4.69 (±0.86)	4.7 (±0.78)
		10-11	4.1 (±1.24)	4.6 (±0.77)	4.82 (±0.63)	4.65 (±0.88)
	Girls	6-7	4.04 (±1.36)	4.58 (±1.07)	4.74 (±0.73)	4.71 (±0.9)
		8-9	3.94 (±1.36)	4.81 (±0.49)	4.78 (±0.61)	4.71 (±0.76)
		10-11	3.89 (±1.26)	4.67 (±0.74)	4.84 (±0.38)	4.76 (±0.59)

Country	Sex	Age group	Swimming Race Mean (±SD)	Water Polo Mean (±SD)	Synchronised Swimming Mean (±SD)	Diving Mean (±SD)	Activity 1 Mean (±SD)	Activity 2 Mean (±SD)
Europe	Boys	6-7	3.4 (±1.7)	3.9 (±1.53)	2.12 (±1.56)	3.63 (±1.69)	3.89 (±1.59)	3.88 (±1.51)
		8-9	3.54 (±1.55)	3.96 (±1.42)	2.16 (±1.52)	3.92 (±1.46)	4.12 (±1.3)	4.11 (±1.35)
		10-11	3.33 (±1.43)	3.98 (±1.27)	1.93 (±1.27)	3.84 (±1.41)	4.08 (±1.17)	4.21 (±1.18)
	Girls	6-7	3.49 (±1.61)	3.41 (±1.63)	3.55 (±1.63)	3.32 (±1.7)	3.84 (±1.55)	3.65 (±1.61)
		8-9	3.57 (±1.48)	3.42 (±1.46)	3.64 (±1.47)	3.55 (±1.56)	4.01 (±1.29)	3.86 (±1.45)
		10-11	3.29 (±1.3)	3.64 (±1.24)	3.46 (±1.39)	3.67 (±1.35)	4.03 (±1.18)	4.08 (±1.15)
France	Boys	6-7	3.69 (±1.66)	4.09 (±1.61)	2.4 (±1.8)	3.7 (±1.74)	4.31 (±1.38)	3.83 (±1.69)
		8-9	3.57 (±1.6)	4.11 (±1.41)	1.74 (±1.33)	3.79 (±1.62)	4.18 (±1.34)	4.15 (±1.28)
		10-11	3.23 (±1.6)	3.48 (±1.61)	1.55 (±1.04)	3.51 (±1.49)	3.92 (±1.36)	4.1 (±1.21)
	Girls	6-7	3.19 (±1.8)	2.8 (±1.75)	3.45 (±1.71)	2.74 (±1.81)	3.52 (±1.7)	3.12 (±1.76)
		8-9	3.49 (±1.52)	3.31 (±1.63)	3.62 (±1.53)	3.37 (±1.71)	4.09 (±1.25)	3.8 (±1.44)
		10-11	3.45 (±1.42)	3.37 (±1.55)	3.19 (±1.58)	3.29 (±1.65)	4.15 (±1.34)	3.82 (±1.45)

Country	Sex	Age group	Activity 3 Mean (±SD)	Activity 4 Mean (±SD)	Low risk in the pool Mean (±SD)	High risk in the pool Mean (±SD)	Low risk open water Mean (±SD)	High risk open water Mean (±SD)
Europe	Boys	6-7	3.81 (±1.6)	3.58 (±1.61)	3.38 (±1.31)	2.54 (±1.28)	3.92 (±1.28)	2.35 (±1.42)
		8-9	4.08 (±1.36)	3.77 (±1.47)	3.4 (±1.25)	2.64 (±1.21)	3.94 (±1.2)	2.63 (±1.39)
		10-11	4.06 (±1.22)	3.7 (±1.37)	3.63 (±1.06)	2.33 (±1.2)	4.09 (±1.14)	2.06 (±1.29)
	Girls	6-7	3.45 (±1.6)	3.34 (±1.64)	3.36 (±1.27)	2.72 (±1.27)	3.85 (±1.21)	2.35 (±1.31)
		8-9	3.82 (±1.44)	3.45 (±1.48)	3.26 (±1.17)	2.78 (±1.09)	3.84 (±1.12)	2.73 (±1.33)
		10-11	4.05 (±1.23)	3.6 (±1.28)	3.51 (±1.08)	2.63 (±1.12)	3.98 (±1.14)	2.43 (±1.26)
France	Boys	6-7	4.2 (±1.5)	3.95 (±1.61)	3.45 (±1.31)	2.82 (±1.26)	4.06 (±1)	2.29 (±1.39)
		8-9	4.16 (±1.34)	3.95 (±1.34)	3.37 (±1.2)	2.81 (±0.96)	3.8 (±1.24)	2.61 (±1.28)
		10-11	4.04 (±1.38)	3.67 (±1.51)	3.27 (±1.02)	3.19 (±0.85)	3.81 (±0.97)	2.66 (±1.05)
	Girls	6-7	3.16 (±1.78)	2.98 (±1.72)	3.22 (±1.2)	2.96 (±1.06)	3.9 (±1.12)	2.42 (±1.18)
		8-9	3.66 (±1.62)	3.41 (±1.51)	3.33 (±1.19)	3.04 (±0.99)	3.74 (±1.12)	2.58 (±1.34)
		10-11	4.05 (±1.24)	3.45 (±1.48)	3.25 (±1.27)	3.05 (±1.1)	3.67 (±1.22)	2.62 (±1.16)

Notes. Europe: Belgium, Germany, Lithuania, Norway, Poland and Portugal.

a. Intrinsic motivation

Overview

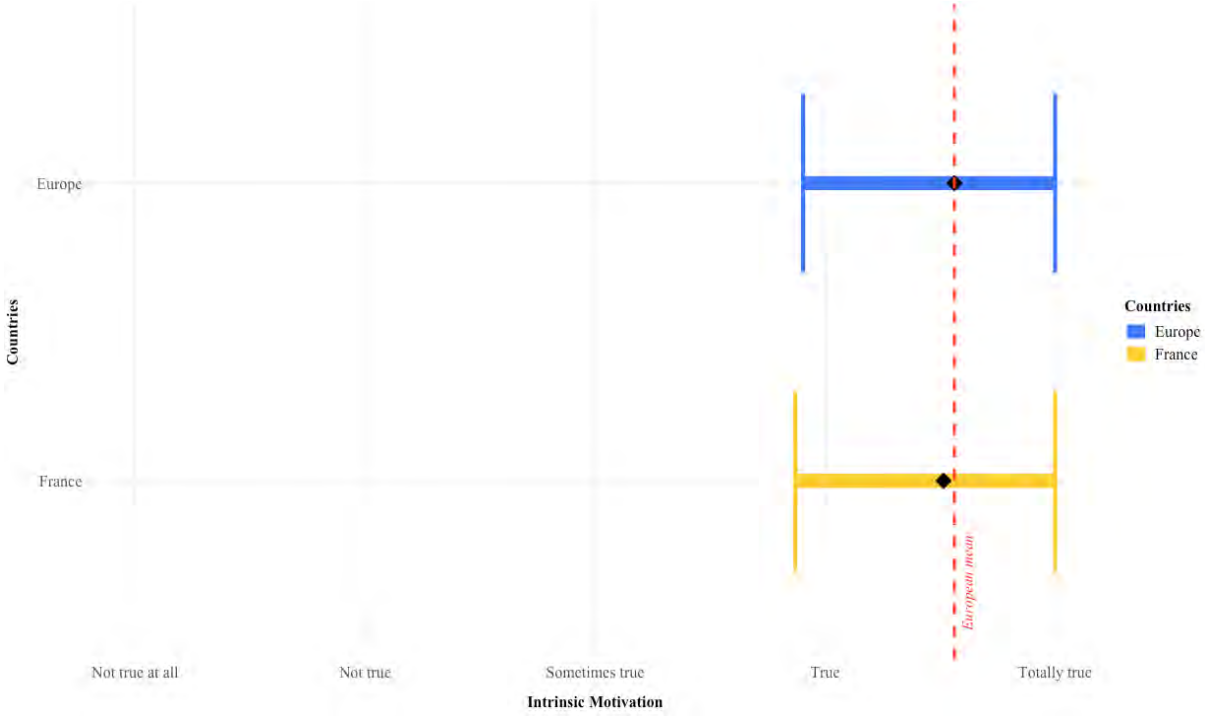


Figure 141. Distribution of the Intrinsic Motivation in Europe and in France (Mean±SD).

Table 246. Comparative Analysis of the Intrinsic Motivation in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	579	2,427	0.02 *	0.07 [a]	0.39 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

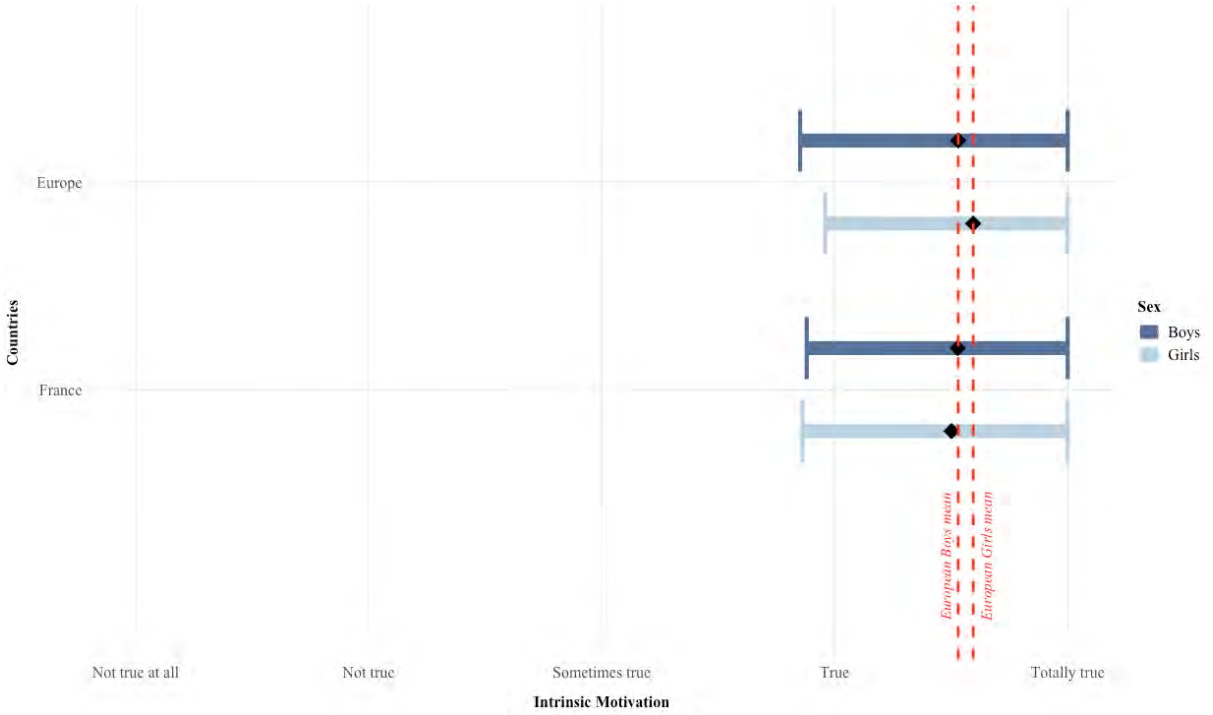


Figure 142. Distribution of the Intrinsic Motivation according to the Sex in Europe and in France (Mean±SD).

Table 247. Comparative Analysis of the Intrinsic Motivation in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	Boys	283	1,231	0.85	0.005 [a]	0.05 [1]
	Girls	296	1,196	0.002 **	0.07 [a]	0.62 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 248. Comparative Analysis of the Intrinsic Motivation in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France	Boys *vs* Girls	296	283	0.45	0.03 [a]	0.11 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

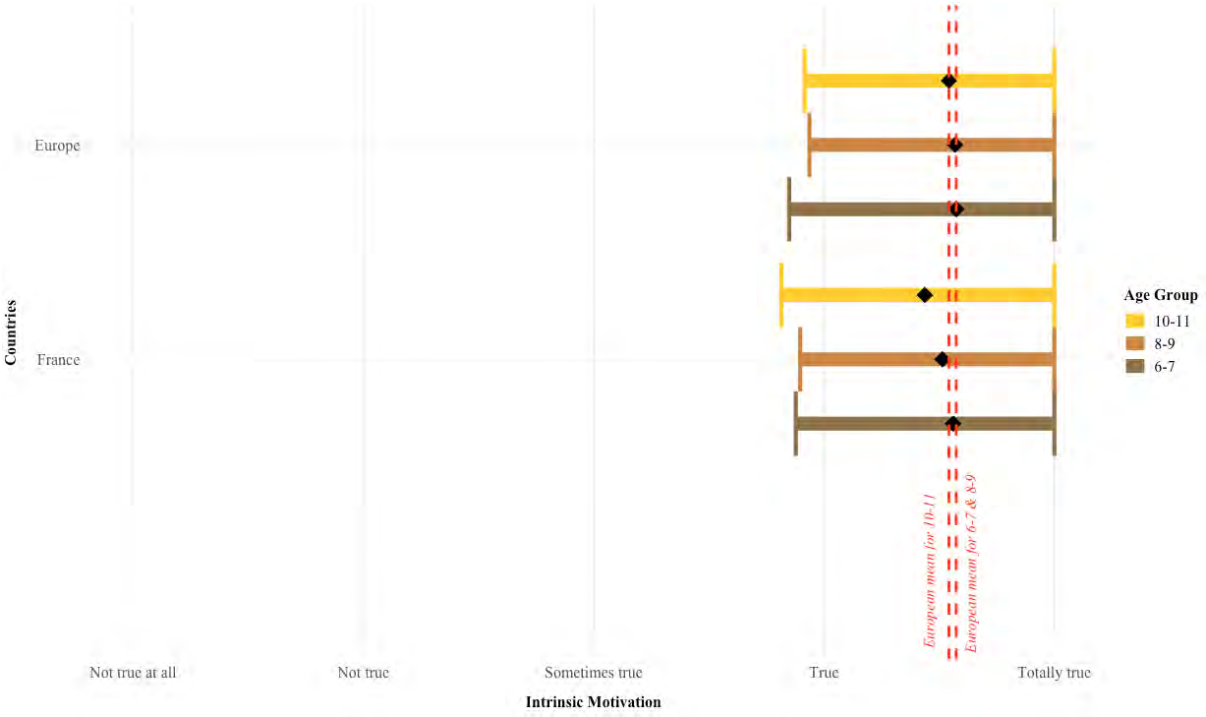


Figure 143. Distribution of the Intrinsic Motivation according to the Age Group in Europe and in France (Mean±SD).

Table 249. Comparative Analysis of the Intrinsic Motivation in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	215	693	0.4	0.02 [a]	0.1 [1]
	8-9 yo	236	963	0.11	0.04 [a]	0.22 [1]
	10-11 yo	128	771	0.02 *	0.07 [a]	0.33 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 250. Comparative Analysis of the Intrinsic Motivation in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	215	236		0.11	0.07 [a]	0.32 [1]
	8-9 yo *vs* 10-11 yo		236	215	0.14	0.07 [a]	0.27 [1]
	6-7 yo *vs* 10-11 yo	215		215	0.006 **	0.14 [a]	0.72 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

b. Identified motivation

Overview

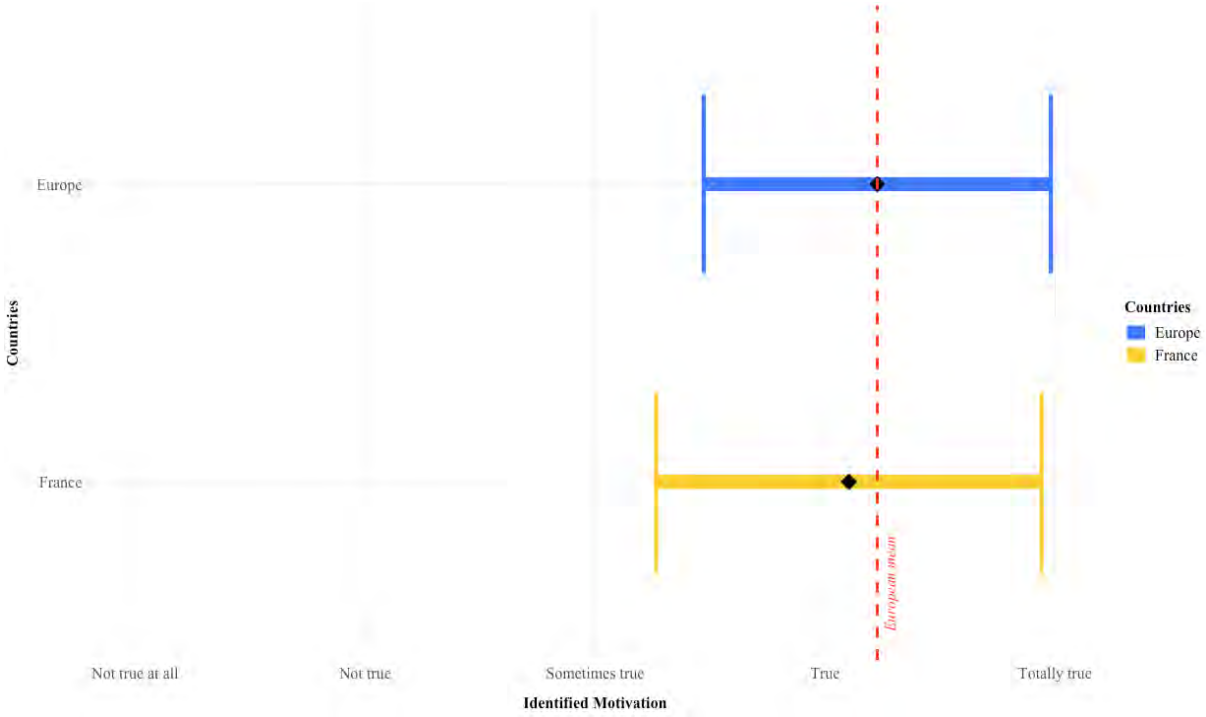


Figure 144. Distribution of the Identified Motivation in Europe and in France (Mean±SD).

Table 251. Comparative Analysis of the Identified Motivation in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	580	2,426	0.004 **	0.1 [a]	0.62 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

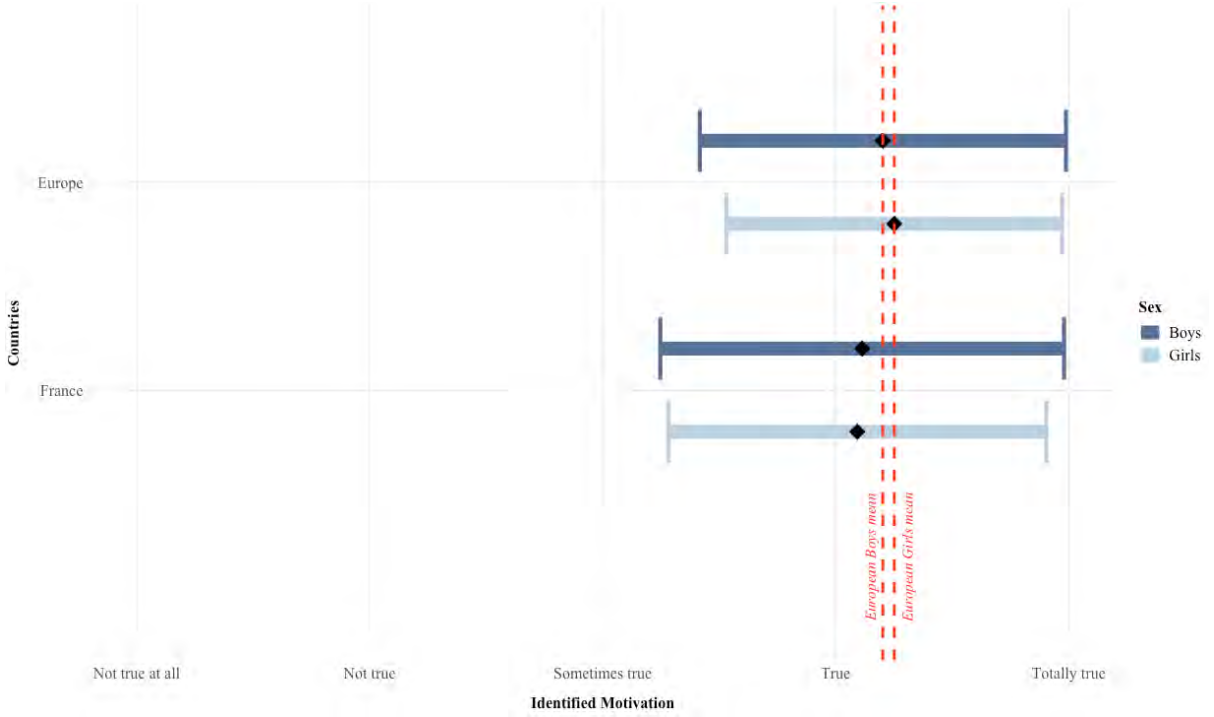


Figure 145. Distribution of the Identified Motivation according to the Sex in Europe and in France (Mean±SD).

Table 252. Comparative Analysis of the Identified Motivation in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	Boys	283	1,231	0.23	0.03 [a]	0.15 [1]
	Girls	297	1,195	0.003 **	0.07 [a]	0.64 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 253. Comparative Analysis of the Identified Motivation in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France	Boys *vs* Girls	283	297	0.47	0.03 [a]	0.1 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (*d<0.2*); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

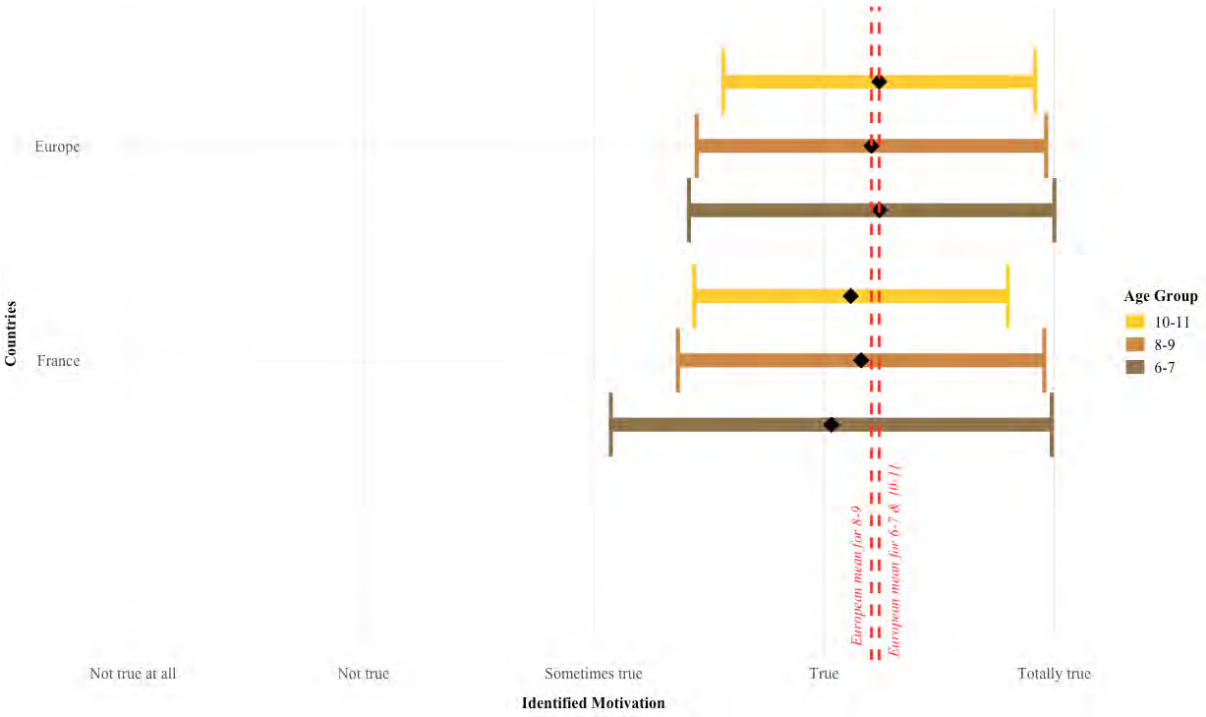


Figure 146. Distribution of the Identified Motivation according to the Age Group in Europe and in France (Mean±SD).

Table 254. Comparative Analysis of the Identified Motivation in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	216	692	0.007 **	0.09 [a]	0.62 [2]
	8-9 yo	236	963	0.6	0.01 [a]	0.07 [1]
	10-11 yo	128	771	0.03 *	0.07 [a]	0.33 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 255. Comparative Analysis of the Identified Motivation in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	216	236		0.37	0.04 [a]	0.14 [1]
	8-9 yo *vs* 10-11 yo		236	128	0.23	0.06 [a]	0.2 [1]
	6-7 yo *vs* 10-11 yo	216		128	0.9	0.006 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

c. Confidence in deep water

Overview

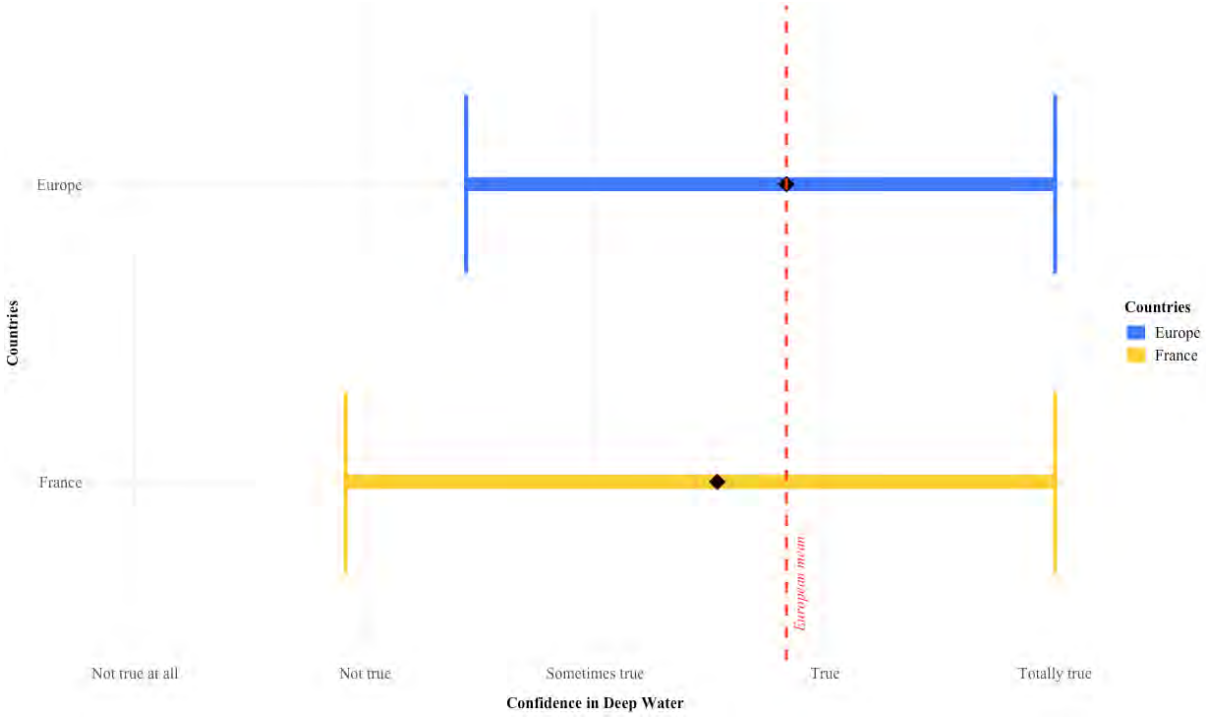


Figure 147. Distribution of the Confidence in Deep Water in Europe and in France (Mean±SD).

Table 256. Comparative Analysis of the Confidence in Deep Water in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	573	2,409	0.001 **	0.11 [a]	0.66 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

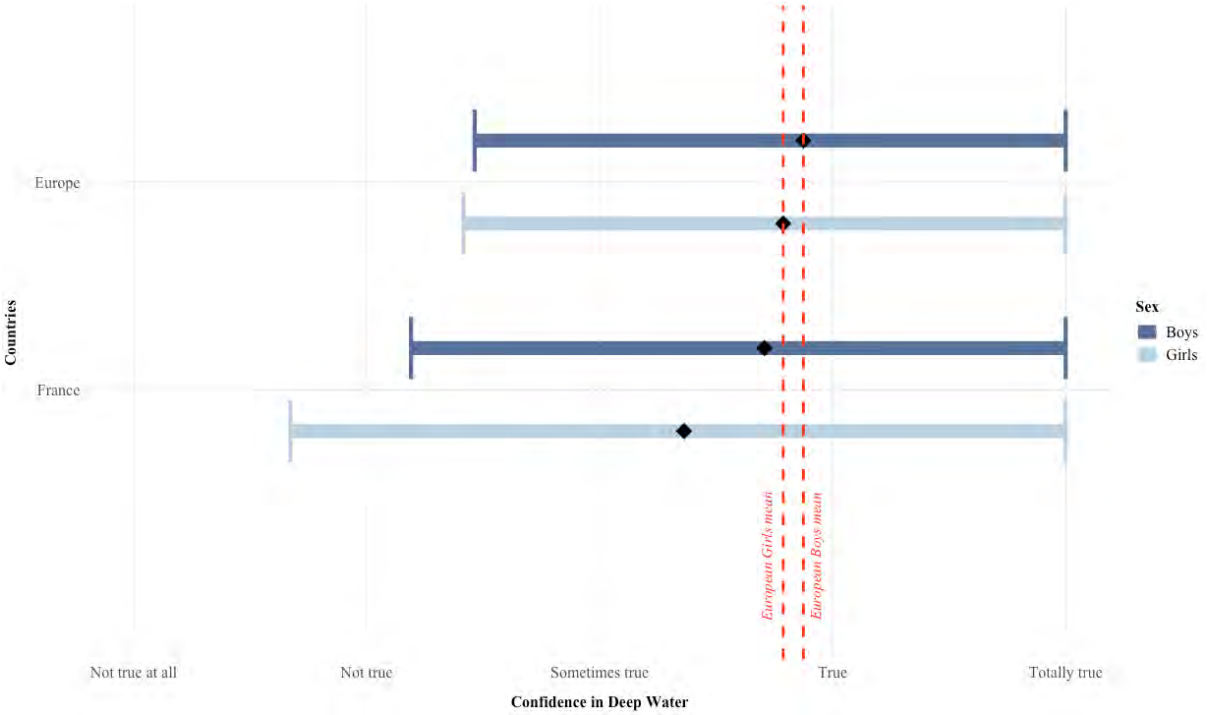


Figure 148. Distribution of the Confidence in Deep Water according to the Sex in Europe and in France (Mean±SD).

Table 257. Comparative Analysis of the Confidence in Deep Water in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	Boys	280	1,223	0.17	0.03 [a]	0.17 [1]
	Girls	293	1,186	0.001 **	0.08 [a]	0.69 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 258. Comparative Analysis of the Confidence in Deep Water in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France	Boys *vs* Girls	280	293	0.03 *	0.09 [a]	0.54 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

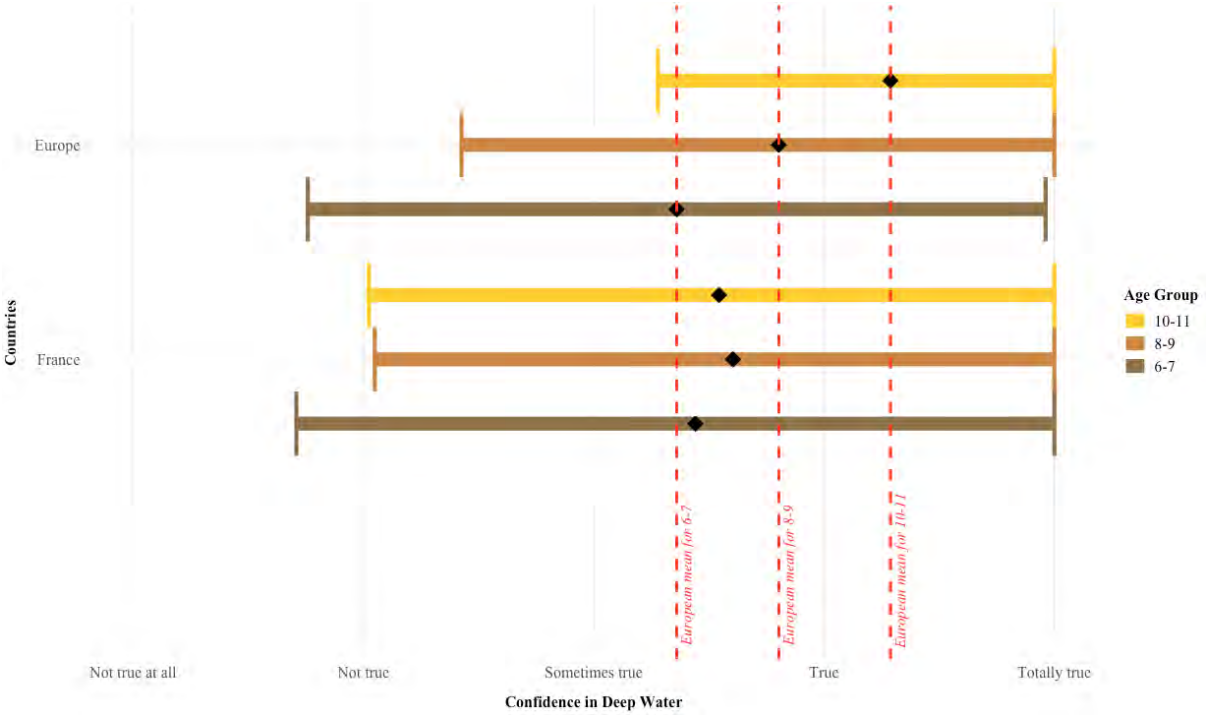


Figure 149. Distribution of the Confidence in Deep Water according to the Age Group in Europe and in France (Mean±SD).

Table 259. Comparative Analysis of the Confidence in Deep Water in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	213	686	0.35	0.03 [a]	0.12 [1]
	8-9 yo	235	957	0.21	0.03 [a]	0.15 [1]
	10-11 yo	125	766	3.8^{e-07} ***	0.15 [a]	0.9 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 260. Comparative Analysis of the Confidence in Deep Water in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	213	235		0.48	0.03 [a]	0.1 [1]
	8-9 yo *vs* 10-11 yo		235	125	0.61	0.02 [a]	0.07 [1]
	6-7 yo *vs* 10-11 yo	213		125	0.88	0.007 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

d. Perceived skills

1. Perceived entry in the water

Overview

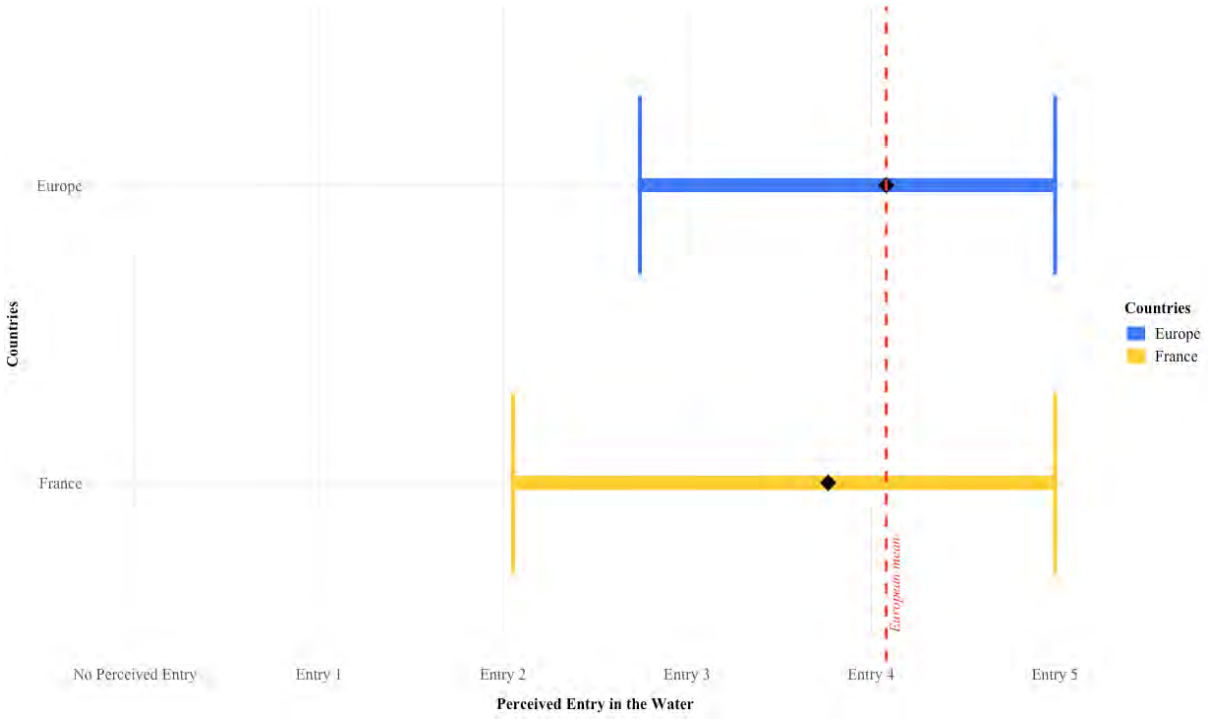


Figure 150. Distribution of the Perceived Entry in the Water in Europe and in France (Mean±SD).

Table 261. Comparative Analysis of the Perceived Entry in the Water in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	573	2,222	0.02 *	0.07 [a]	0.39 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

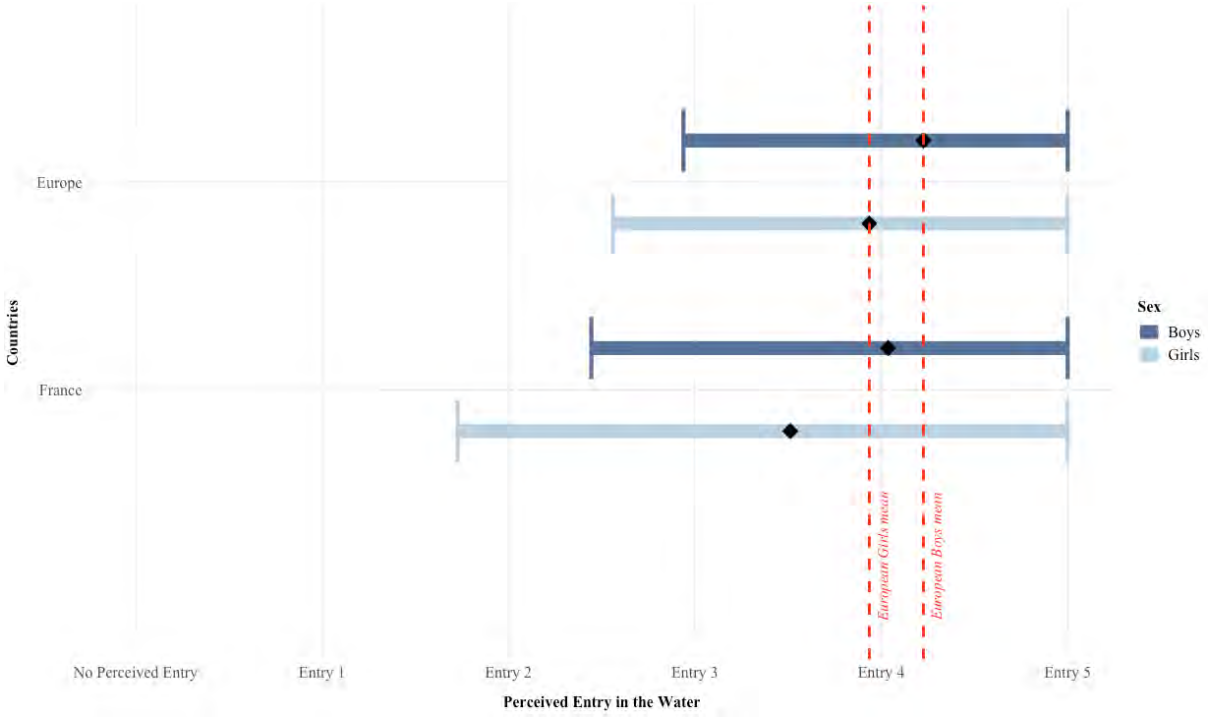


Figure 151. Distribution of the Perceived Entry in the Water according to the Sex in Europe and in France (Mean±SD).

Table 262. Comparative Analysis of the Perceived Entry in the Water in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	Boys	278	1,119	0.56	0.01 [a]	0.07 [1]
	Girls	295	1,103	8.21^{e-03} **	0.06 [a]	0.52 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 263. Comparative Analysis of the Perceived Entry in the Water in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France	Boys *vs* Girls	278	295	7.77^{e-05} ***	0.15 [a]	0.95 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

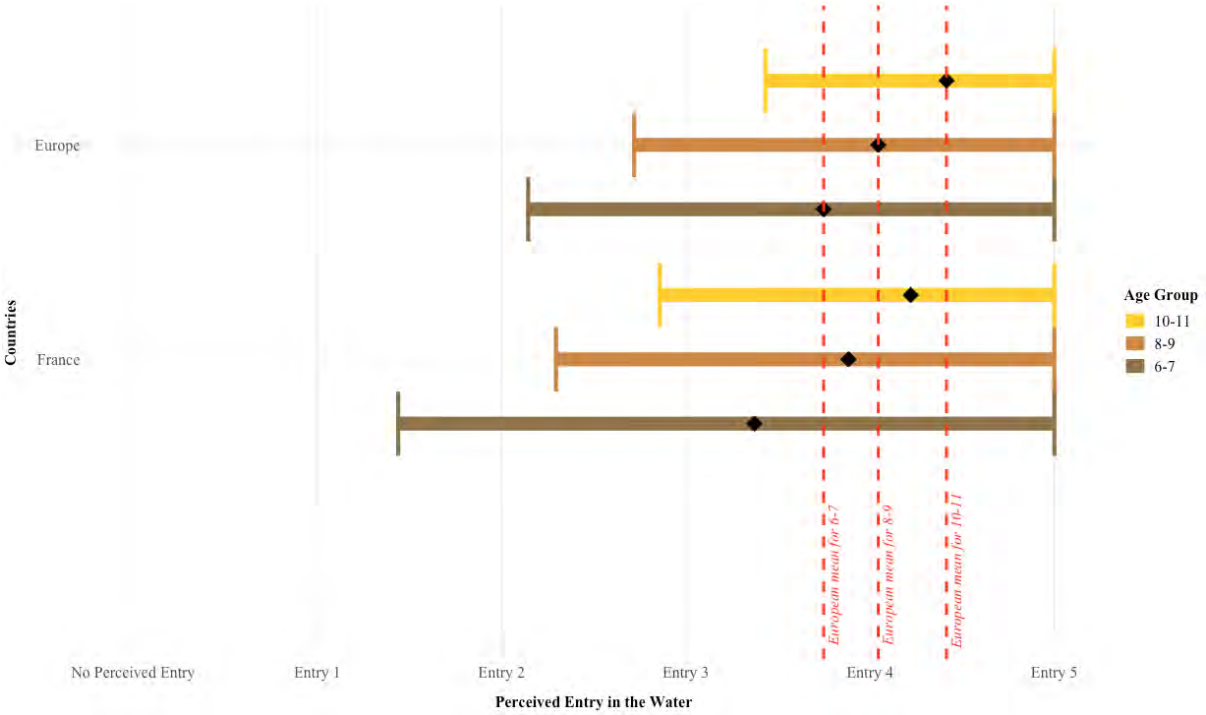


Figure 152. Distribution of the Perceived Entry in the Water according to the Age Group in Europe and in France (Mean±SD).

Table 264. Comparative Analysis of the Perceived Entry in the Water in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	215	622	0.09	0.05 [a]	0.28 [1]
	8-9 yo	231	877	0.75	0.009 [a]	0.06 [1]
	10-11 yo	127	723	0.61	0.01 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 265. Comparative Analysis of the Perceived Entry in the Water in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	215	231		0.01 *	0.11 [a]	0.62 [2]
	8-9 yo *vs* 10-11 yo		231	127	0.03 *	0.1 [a]	0.43 [1]
	6-7 yo *vs* 10-11 yo	215		127	6.66^{e-05} ***	0.19 [a]	0.94 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

2. Perceived exit from the water

Overview

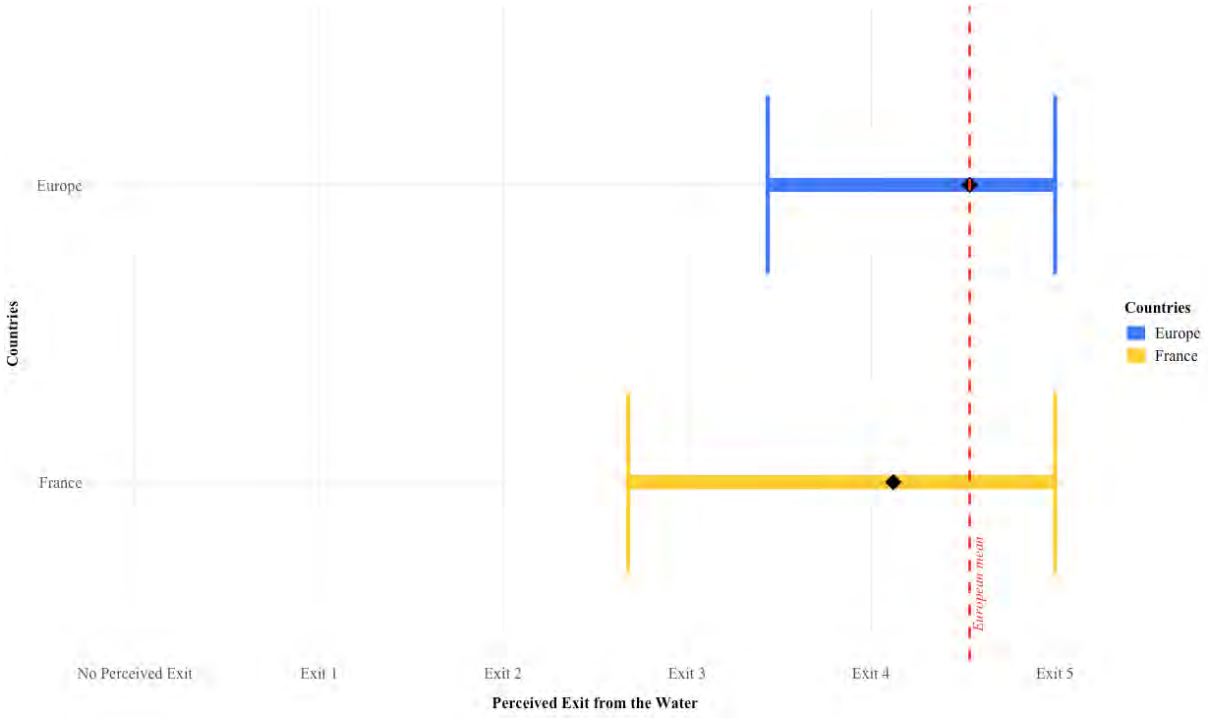


Figure 153. Distribution of the Perceived Exit from the Water in Europe and in France (Mean±SD).

Table 266. Comparative Analysis of the Perceived Exit from the Water in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	573	2,252	1.94^{e-12} ***	0.2 [a]	0.99 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

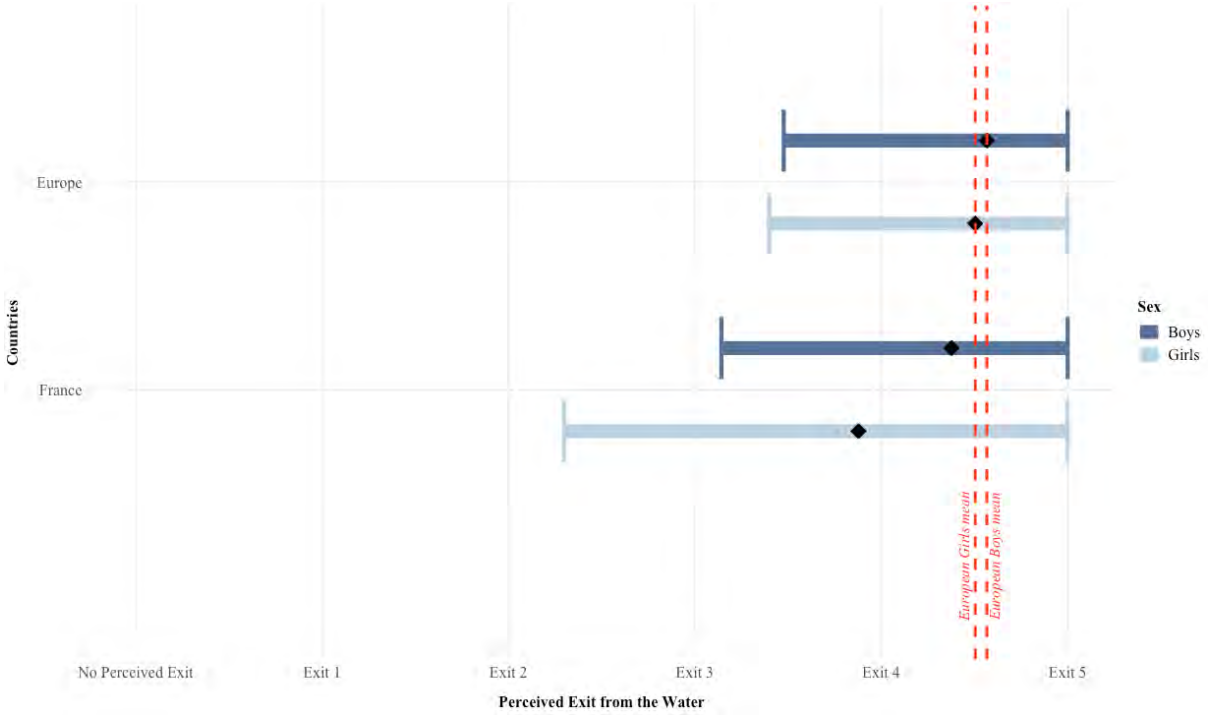


Figure 154. Distribution of the Perceived Exit from the Water according to the Sex in Europe and in France (Mean±SD).

Table 267. Comparative Analysis of the Perceived Exit from the Water in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	Boys	279	1,127	0.01 *	0.04 [a]	0.028 [1]
	Girls	294	1,125	5.05^{e-13} ***	0.15 [a]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 268. Comparative Analysis of the Perceived Exit from the Water in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France	Boys *vs* Girls	279	294	1.89^{e-05} ***	0.15 [a]	0.95 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

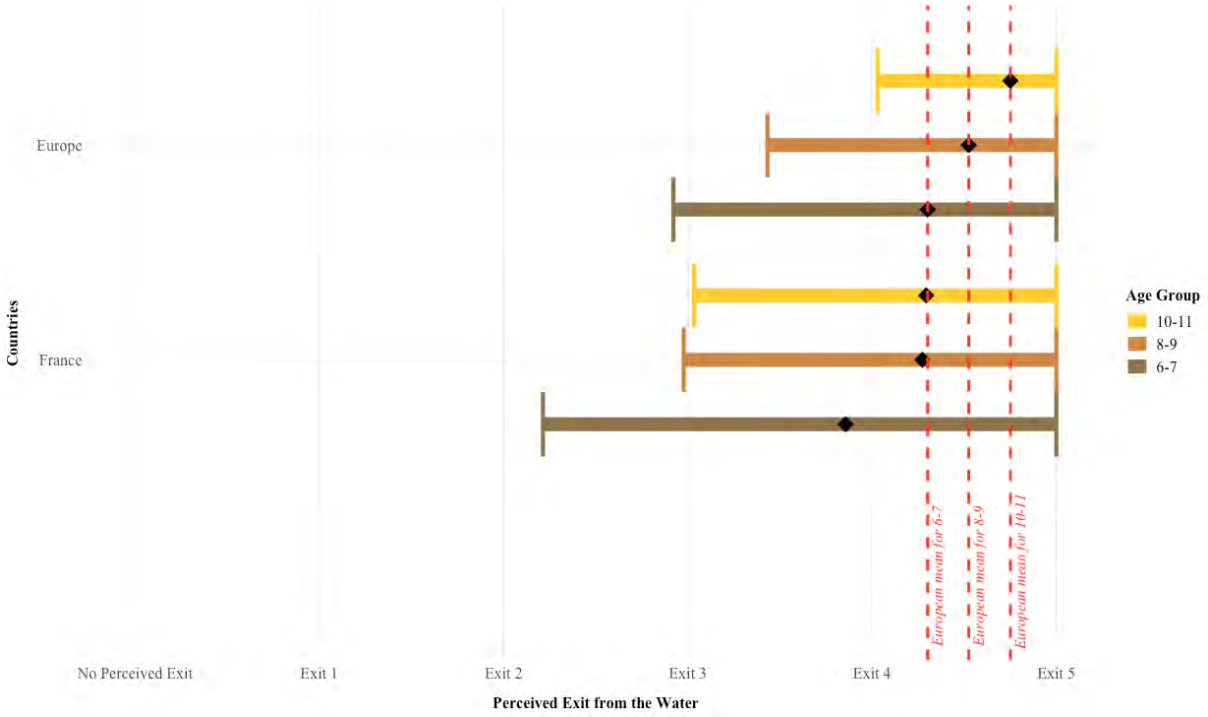


Figure 155. Distribution of the Perceived Exit from the Water ccording to the Age Group in Europe and in France (Mean±SD).

Table 269. Comparative Analysis of the Perceived Exit from the Water in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	216	634	1.24^{e-04} ***	0.1 [a]	0.77 [2]
	8-9 yo	231	888	5.02^{e-03} **	0.06 [a]	0.39 [1]
	10-11 yo	126	730	1.61^{e-06} ***	0.1 [a]	0.6 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 270. Comparative Analysis of the Perceived Exit from the Water in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	216	231		0.01 *	0.1 [a]	0.58 [2]
	8-9 yo *vs* 10-11 yo		231	126	0.98	0.001 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	216		126	0.03 *	0.1 [a]	0.44 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

3. Perceived rotations

Overview

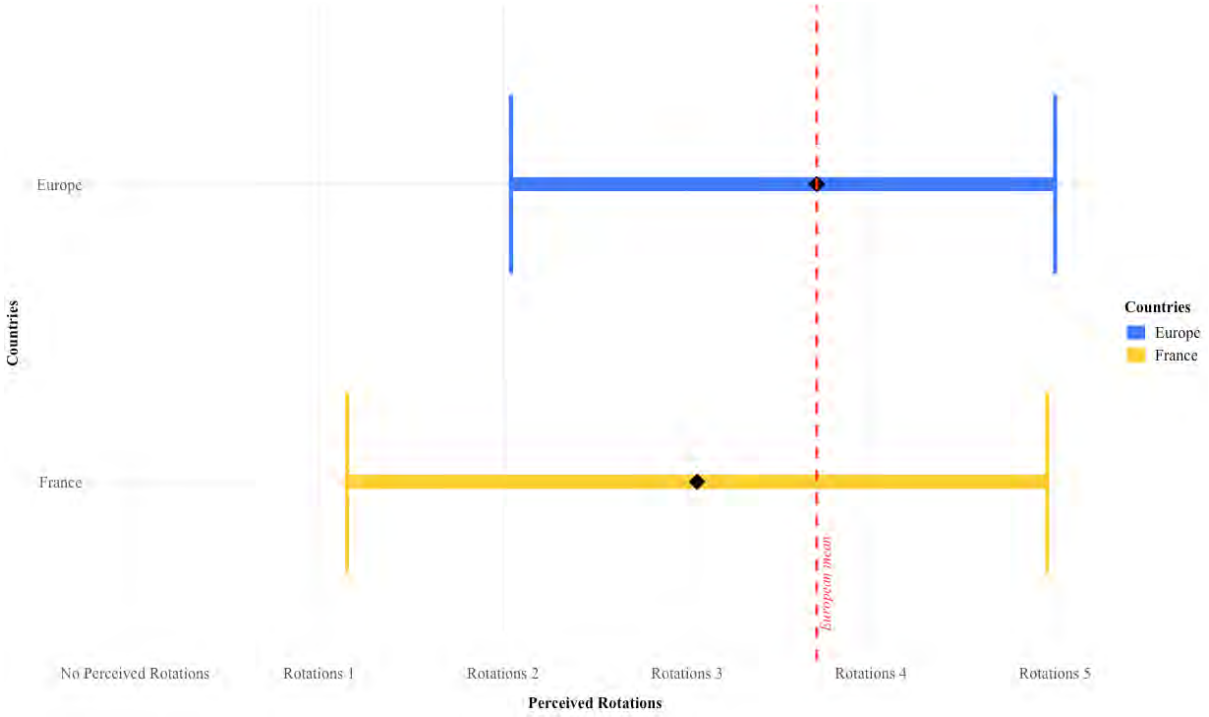


Figure 156. Distribution of the Perceived Rotations in Europe and in France (Mean±SD).

Table 271. Comparative Analysis of the Perceived Rotations in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	571	2,047	7.14^{e-14} ***	0.28 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

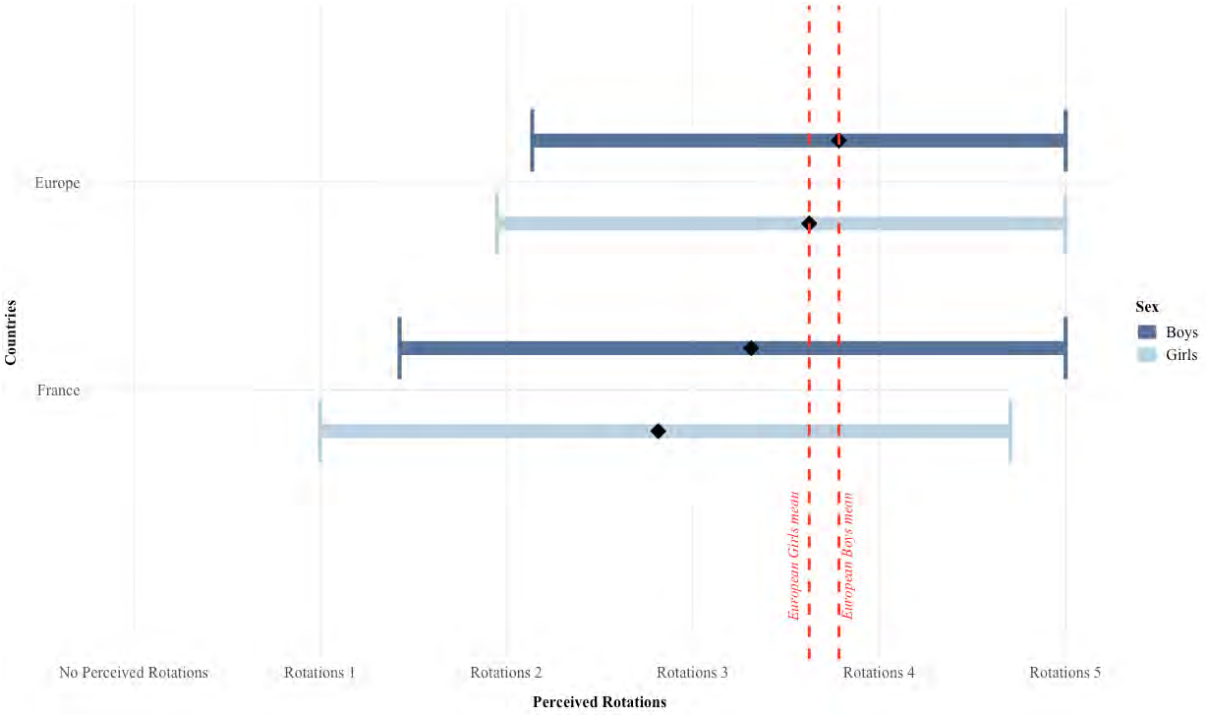


Figure 157. Distribution of the Perceived Rotations according to the Sex in Europe and in France (Mean±SD).

Table 272. Comparative Analysis of the Perceived Rotations in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	Boys	275	1,031	2.58^{e-04} ***	0.09 [a]	0.79 [2]
	Girls	296	1,016	1.1^{e-11} ***	0.18 [a]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 273. Comparative Analysis of the Perceived Rotations in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
France	Boys *vs* Girls	275	296	8.9^{e-04} ***	0.13 [a]	0.9 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

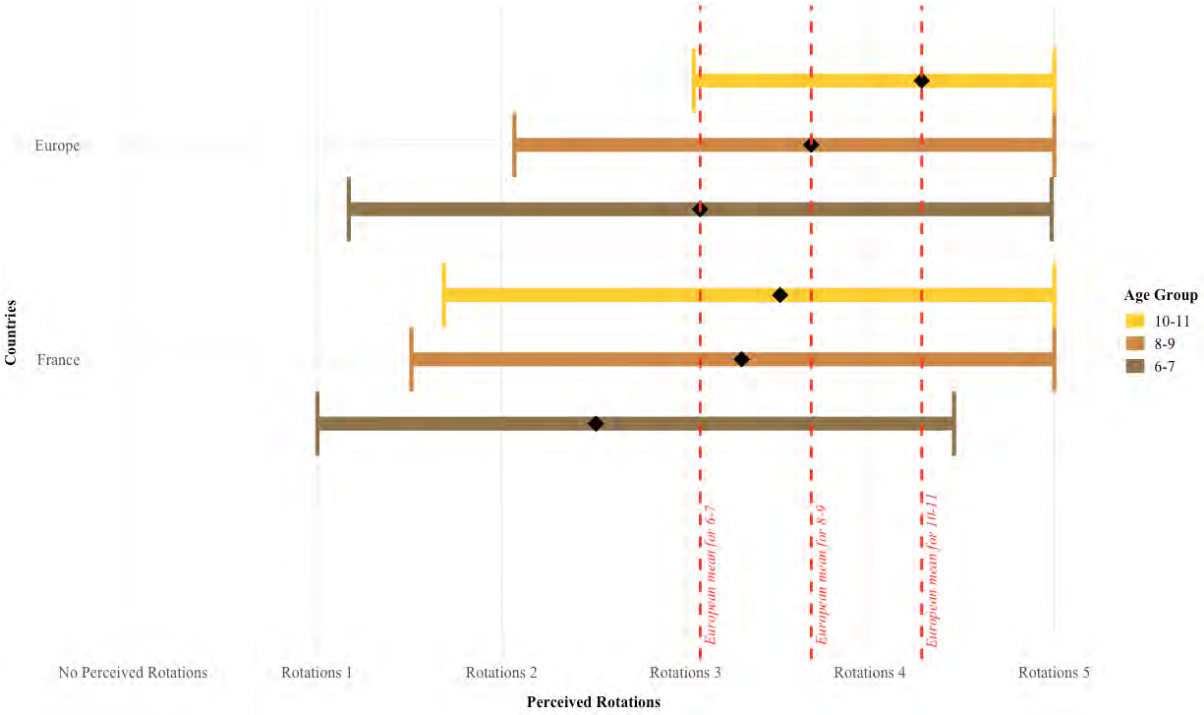


Figure 158. Distribution of the Perceived Rotations according to the Age Group in Europe and in France (Mean±SD).

Table 274. Comparative Analysis of the Perceived Rotations in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	213	579	1.83^{e-04} ***	0.13 [a]	0.9 [4]
	8-9 yo	231	804	6.48^{e-03} **	0.08 [a]	0.58 [2]
	10-11 yo	127	664	6.24^{e-06} ***	0.14 [a]	0.82 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 275. Comparative Analysis of the Perceived Rotations in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	213	231		1.27^{e-05} ***	0.2 [a]	0.99 [4]
	8-9 yo *vs* 10-11 yo		231	127	0.18	0.07 [a]	0.23 [1]
	6-7 yo *vs* 10-11 yo	213		127	2.16^{e-06} ***	0.25 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

4. Perceived breathing

Overview

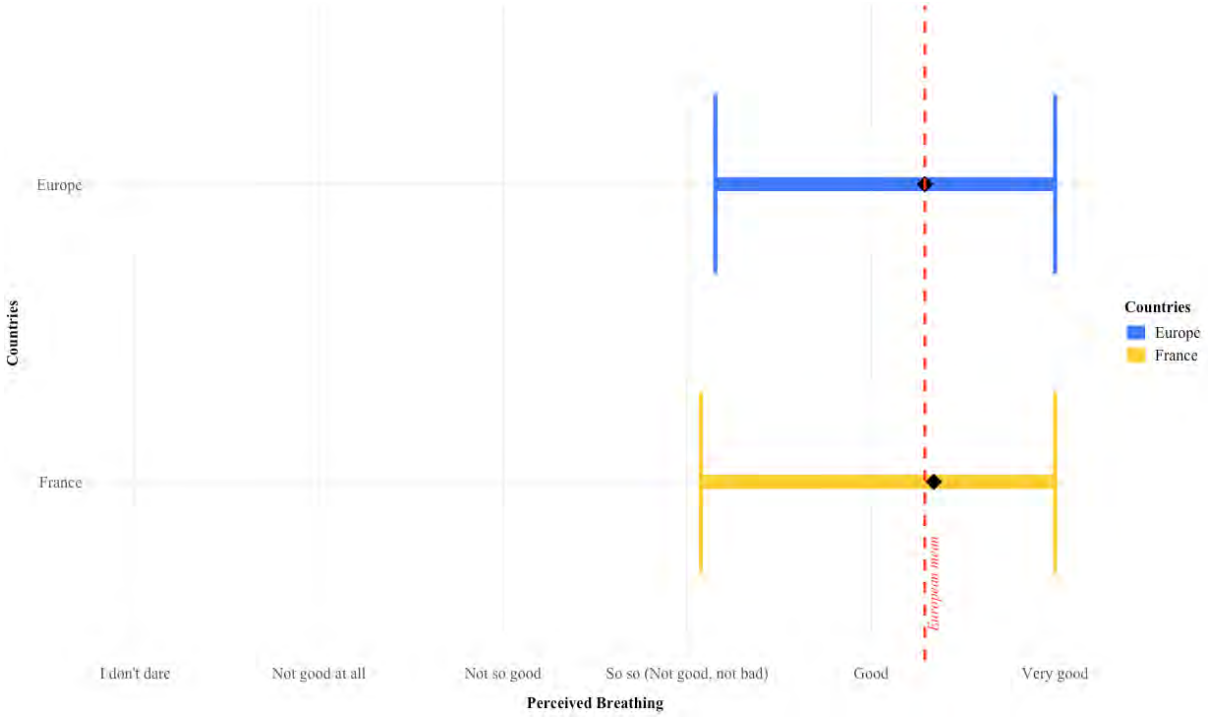


Figure 159. Distribution of the Perceived Breathing in Europe and in France (Mean±SD).

Table 276. Comparative Analysis of the Perceived Breathing in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	579	2,259	0.001 **	0.1 [a]	0.6 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

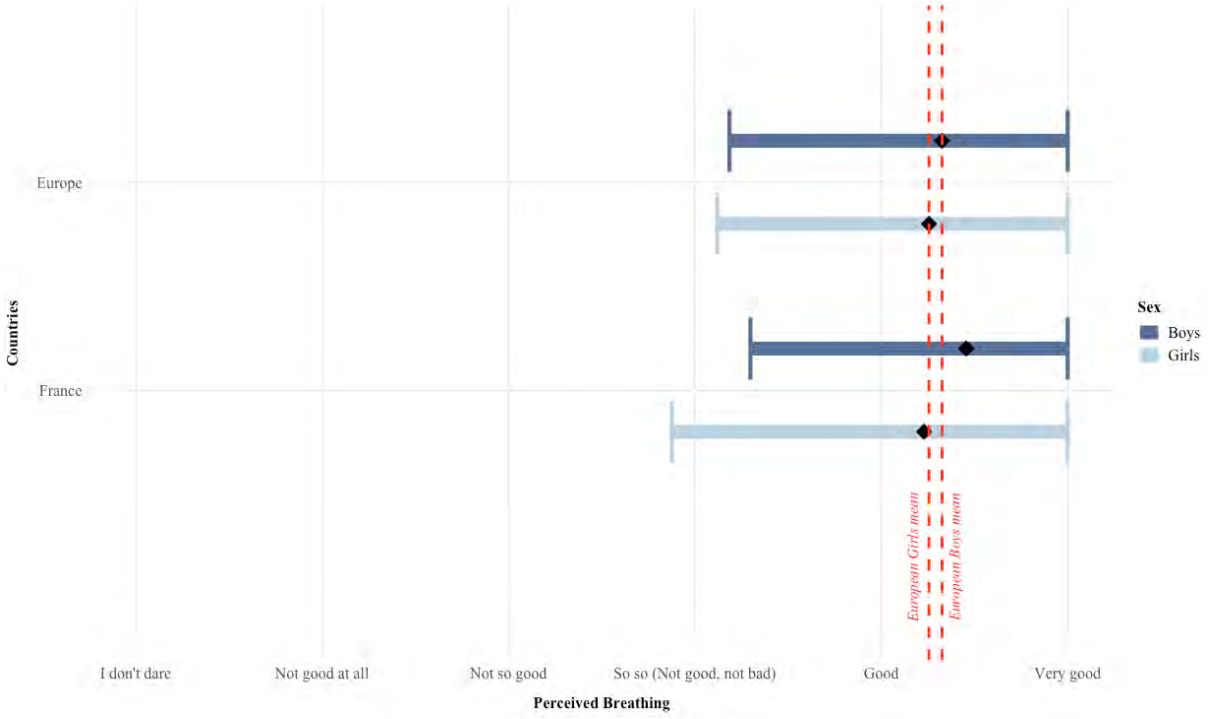


Figure 160. Distribution of the Perceived Breathing according to the Sex in Europe and in France (Mean±SD).

Table 277. Comparative Analysis of the Perceived Breathing in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	Boys	283	1,150	0.004 **	0.06 [a]	0.49 [1]
	Girls	296	1,109	0.1	0.04 [a]	0.22 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 278. Comparative Analysis of the Perceived Breathing in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
France	Boys *vs* Girls	283	296	0.03 *	0.07 [a]	0.44 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

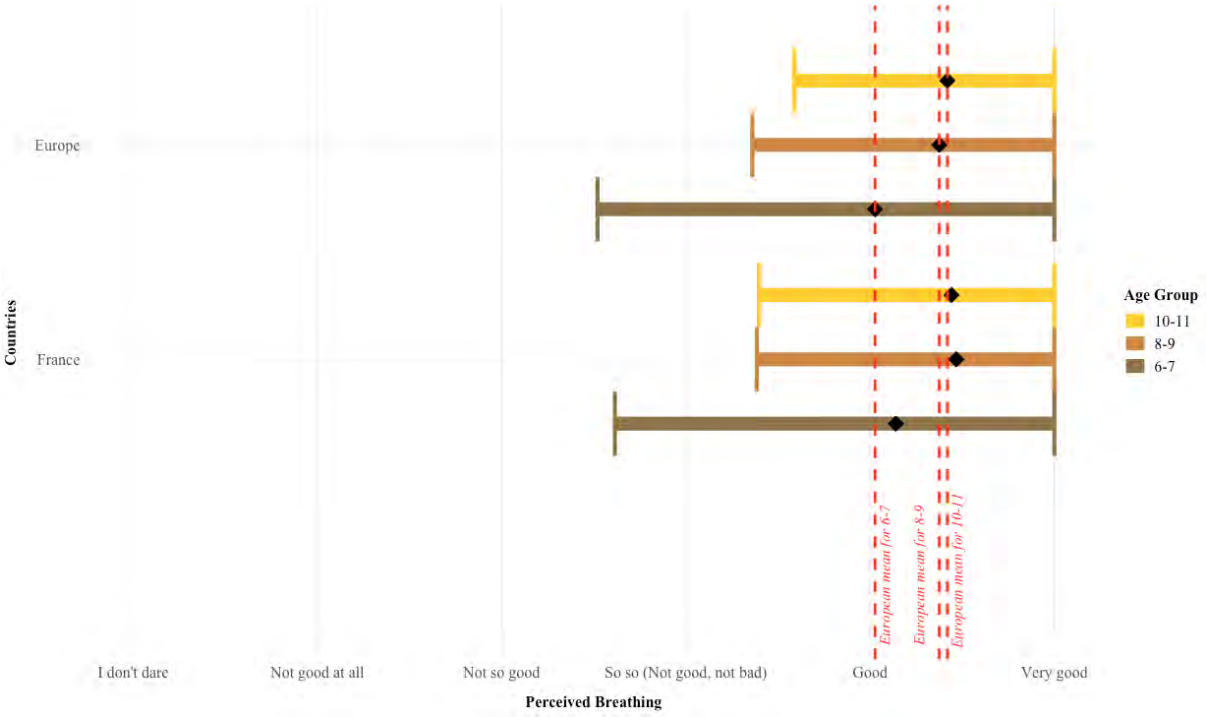


Figure 161. Distribution of the Perceived Breathing according to the Age Group in Europe and in France (Mean±SD).

Table 279. Comparative Analysis of the Perceived Breathing in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	215	634	0.09	0.05 [a]	0.25 [1]
	8-9 yo	235	905	0.02 *	0.06 [a]	0.34 [1]
	10-11 yo	129	720	0.08	0.05 [a]	0.2 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 280. Comparative Analysis of the Perceived Breathing in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	215	235		0.15	0.05 [a]	0.21 [1]
	8-9 yo *vs* 10-11 yo		235	129	0.63	0.02 [a]	0.07 [1]
	6-7 yo *vs* 10-11 yo	215		129	0.42	0.04 [a]	0.1 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

5. Perceived treading water

Overview

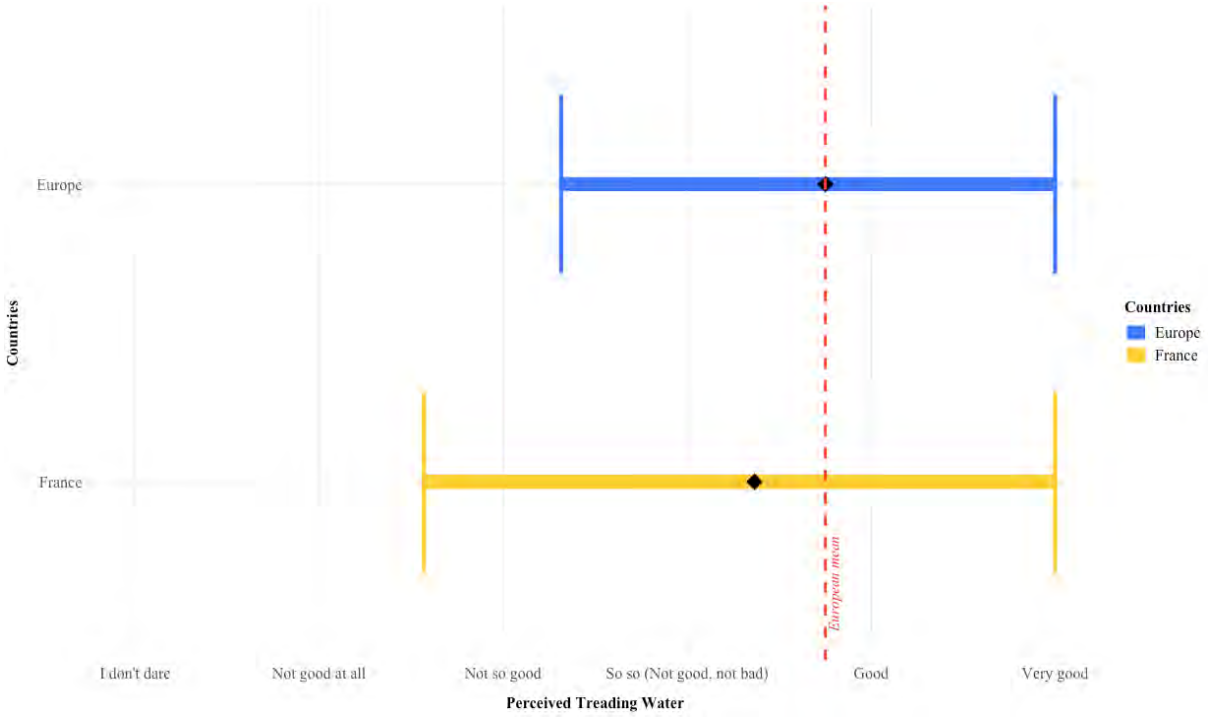


Figure 162. Distribution of the Perceived Treading Water in Europe and in France (Mean±SD).

Table 281. Comparative Analysis of the Perceived Treading Water at School in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	568	2,276	0.001 **	0.11 [a]	0.67 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

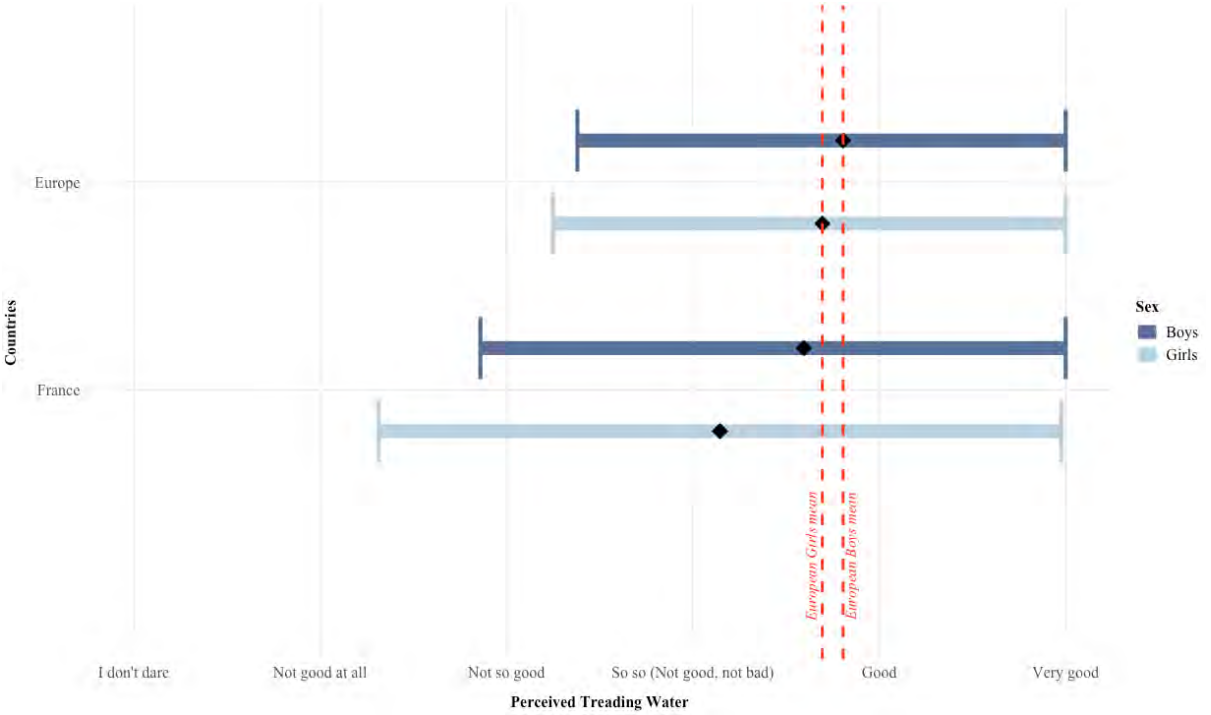


Figure 163. Distribution of the Perceived Treading Water according to the Sex in Europe and in France (Mean±SD).

Table 282. Comparative Analysis of the Perceived Treading Water in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	Boys	279	1,153	0.54	0.01 [a]	0.07 [1]
	Girls	289	1.123	1[e-04] ***	0.1 [a]	0.84 [3]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 283. Comparative Analysis of the Perceived Treading Water in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
France	Boys *vs* Girls	289	279	0.003 **	0.12 [a]	0.83 [3]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

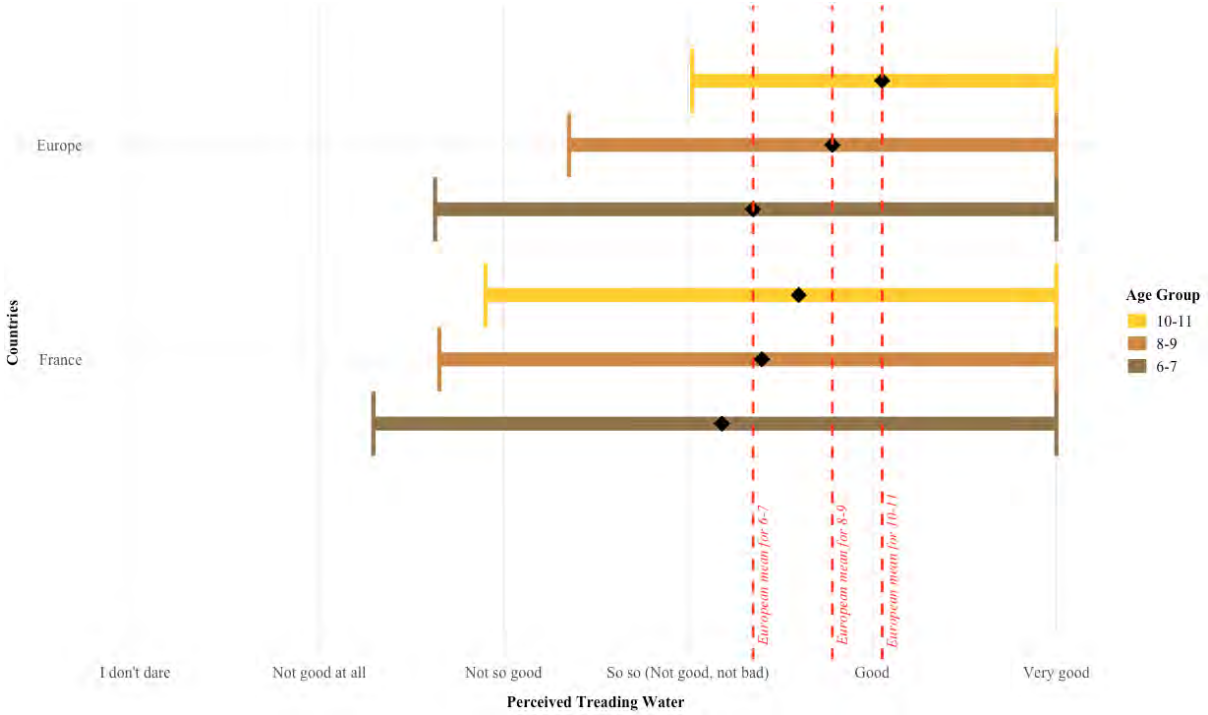


Figure 164. Distribution of the Perceived Treading Water according to the Age Group in Europe and in France (Mean±SD).

Table 284. Comparative Analysis of the Perceived Treading Water in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	211	636	0.44	0.02 [a]	0.1 [1]
	8-9 yo	229	908	0.02 *	0.07 [a]	0.45 [1]
	10-11 yo	128	732	0.23	0.04 [a]	0.13 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 285. Comparative Analysis of the Perceived Treading Water in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	211	229		0.37	0.04 [a]	0.13 [1]
	8-9 yo *vs* 10-11 yo		229	128	0.21	0.06 [a]	0.2 [1]
	6-7 yo *vs* 10-11 yo	211		128	0.05	0.1 [a]	0.44 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

6. Perceived propulsion on the back

Overview

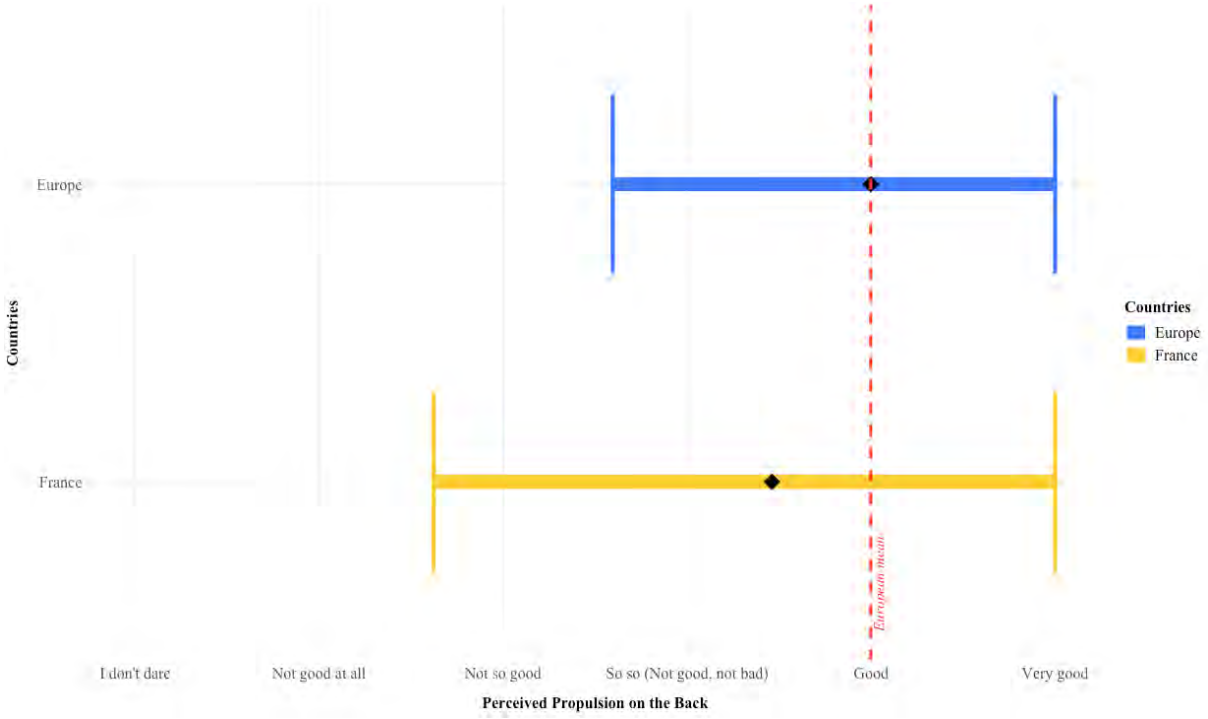


Figure 165. Distribution of the Perceived Propulsion on the Back in Europe and in France (Mean±SD).

Table 286. Comparative Analysis of the Perceived Propulsion on the Back in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	573	2,229	1.21^{e-07} ***	0.18 [a]	0.98 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

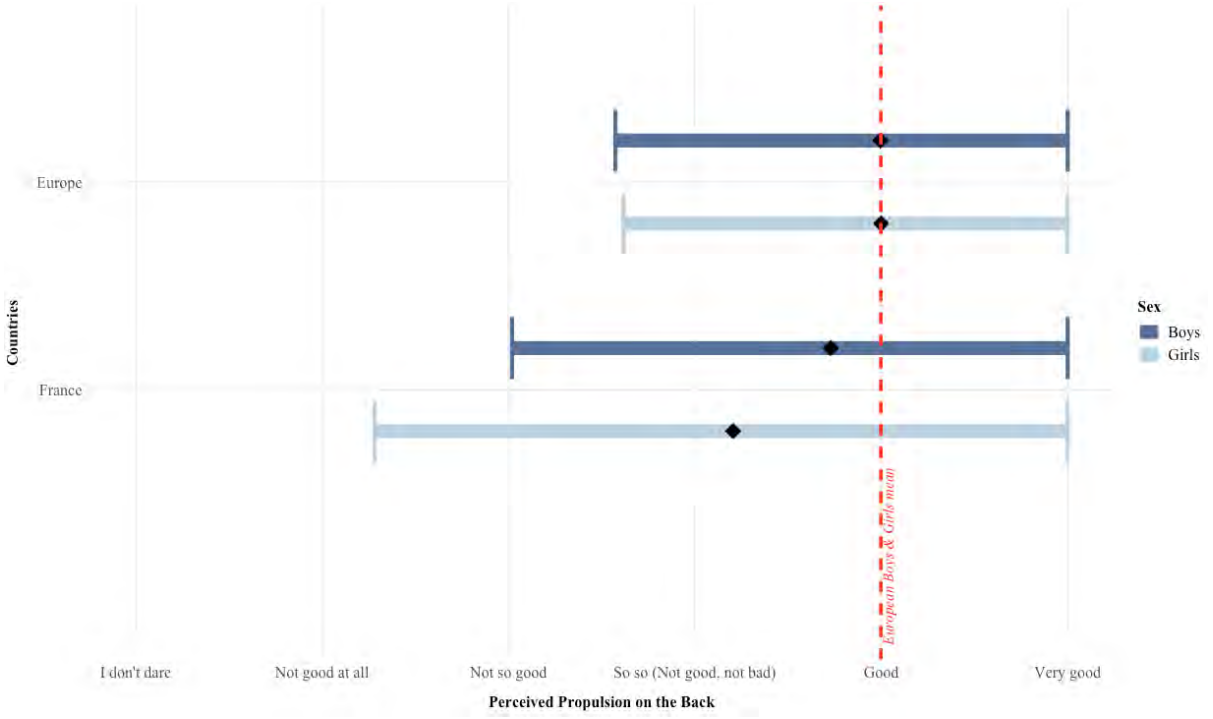


Figure 166. Distribution of the Perceived Propulsion on the Back according to the Sex in Europe and in France (Mean±SD).

Table 287. Comparative Analysis of the Perceived Propulsion on the Back in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	Boys	280	1.129	0.15	0.03 [a]	0.18 [1]
	Girls	293	1,100	2.75^{e-09} ***	0.15 [a]	0.99 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 288. Comparative Analysis of the Perceived Propulsion on the Back in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France	Boys *vs* Girls	280	293	6.15^{e-04} ***	0.13 [a]	0.9 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

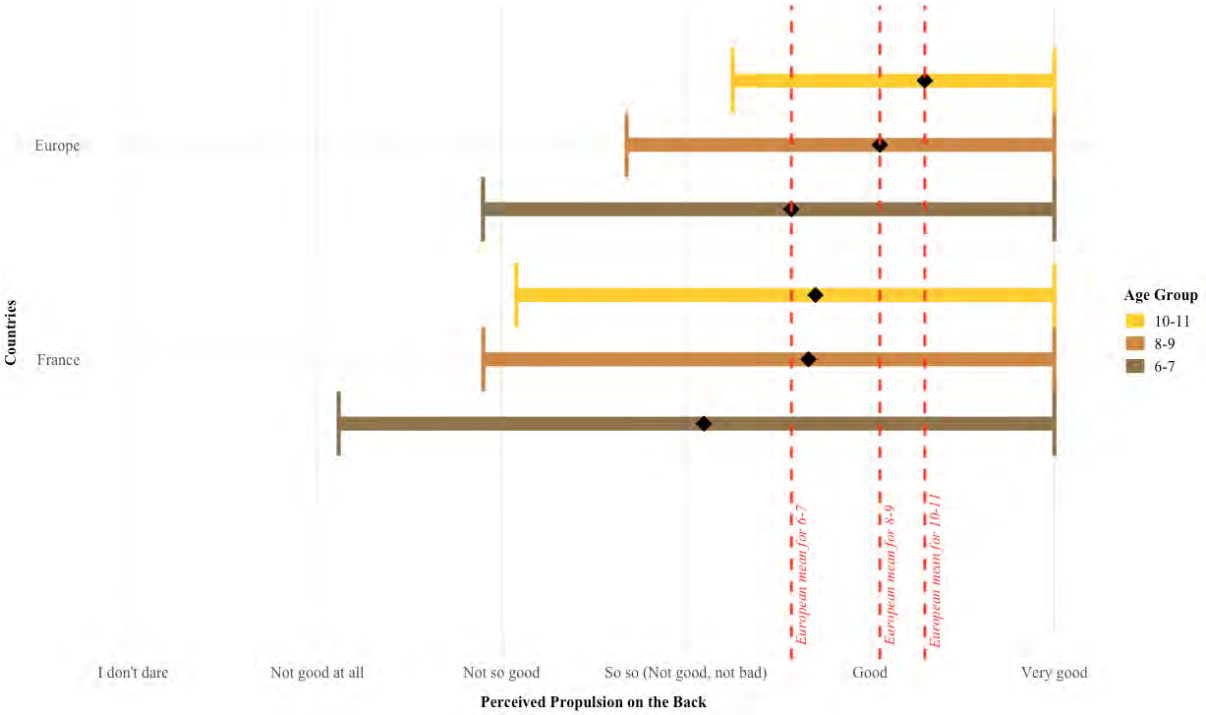


Figure 167. Distribution of the Perceived Propulsion on the Back according to the Age Group in Europe and in France (Mean±SD).

Table 289. Comparative Analysis of the Perceived Propulsion on the Back in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	215	625	0.004 **	0.09 [a]	0.66 [2]
	8-9 yo	230	884	0.03 *	0.06 [a]	0.35 [1]
	10-11 yo	128	720	5^{e-04} ***	0.11 [a]	0.61 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 290. Comparative Analysis of the Perceived Propulsion on the Back in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	215	230		0.002 **	0.14 [a]	0.83 [3]
	8-9 yo *vs* 10-11 yo		230	128	0.64	0.02 [a]	0.07 [1]
	6-7 yo *vs* 10-11 yo	215		128	0.02 *	0.12 [a]	0.58 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

7. Perceived propulsion on the belly

Overview

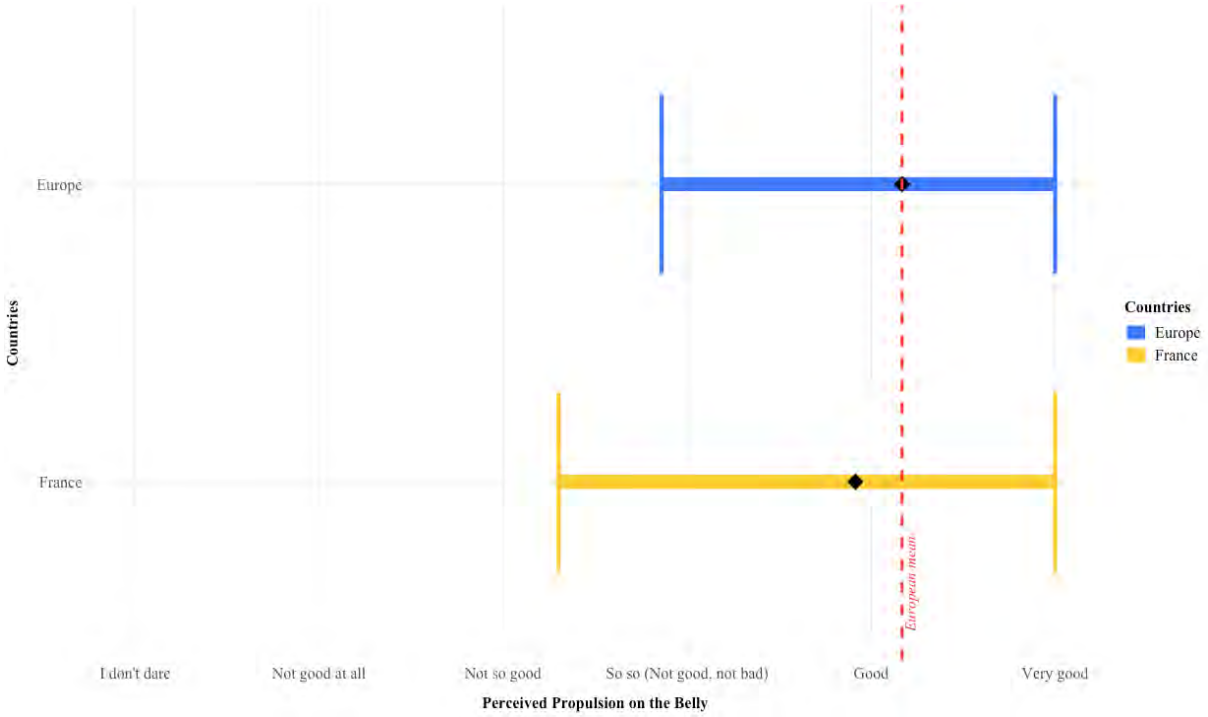


Figure 168. Distribution of the Perceived Propulsion on the Belly in Europe and in France (Mean±SD).

Table 291. Comparative Analysis of the Perceived Propulsion on the Belly in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	572	2,225	0.04	0.07 [a]	0.31 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

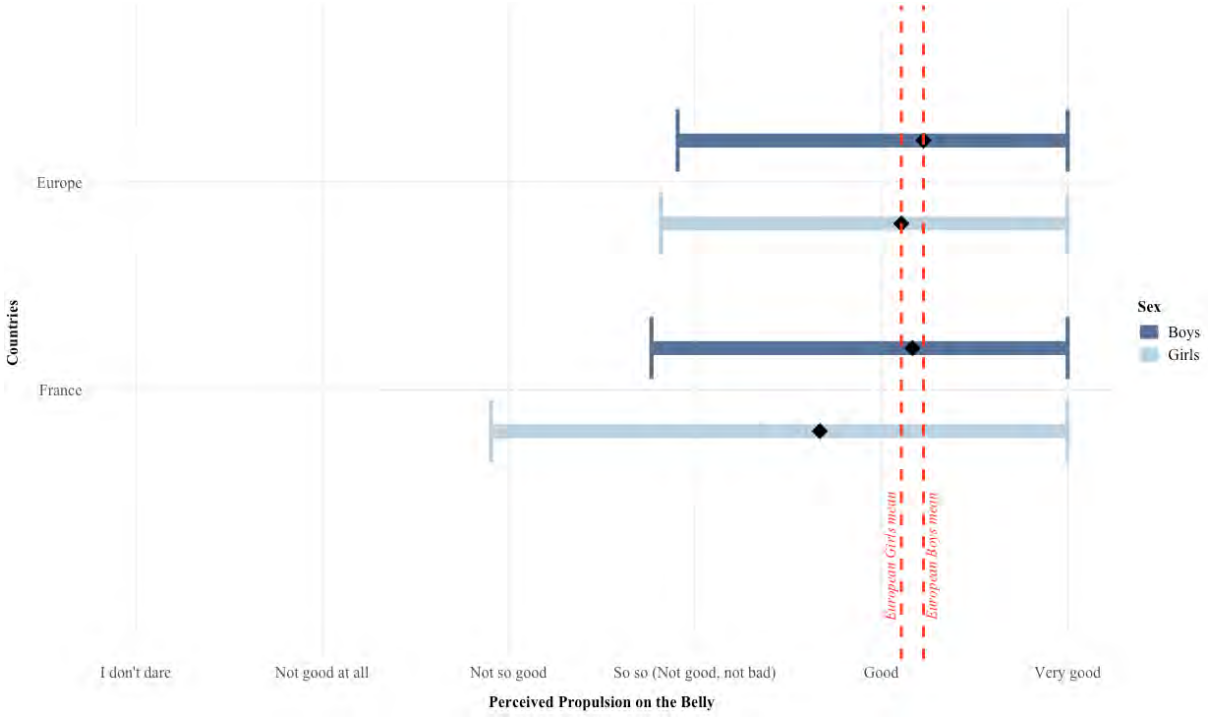


Figure 169. Distribution of the Perceived Propulsion on the Belly according to the Sex in Europe and in France (Mean±SD).

Table 292. Comparative Analysis of the Perceived Propulsion on the Belly in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	Boys	281	1,121	0.76	0.007 [a]	0.05 [1]
	Girls	291	1,104	0.009 **	0.06 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 293. Comparative Analysis of the Perceived Propulsion on the Belly in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France	Boys *vs* Girls	281	291	8^{e-04} ***	0.12 [a]	0.85 [3]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

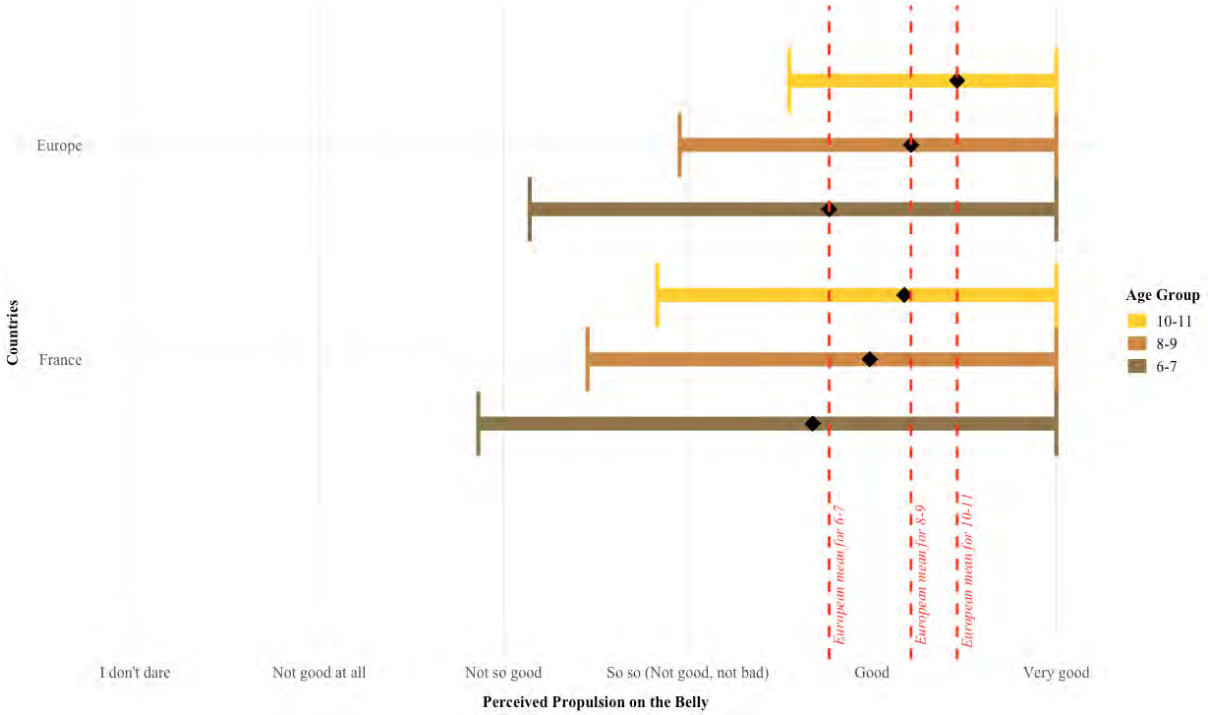


Figure 170. Distribution of the Perceived Propulsion on the Belly according to the Age Group in Europe and in France (Mean±SD).

Table 294. Comparative Analysis of the Perceived Propulsion on the Belly in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	211	622	0.9	0.004 [a]	0.05 [1]
	8-9 yo	235	886	0.23	0.03 [a]	0.14 [1]
	10-11 yo	126	717	0.08	0.05 [a]	0.18 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 295. Comparative Analysis of the Perceived Propulsion on the Belly in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	211	235		0.18	0.06 [a]	0.22 [1]
	8-9 yo *vs* 10-11 yo		235	126	0.58	0.03 [a]	0.08 [1]
	6-7 yo *vs* 10-11 yo	211		126	0.11	0.08 [a]	0.29 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

8. Perceived submersion

Overview

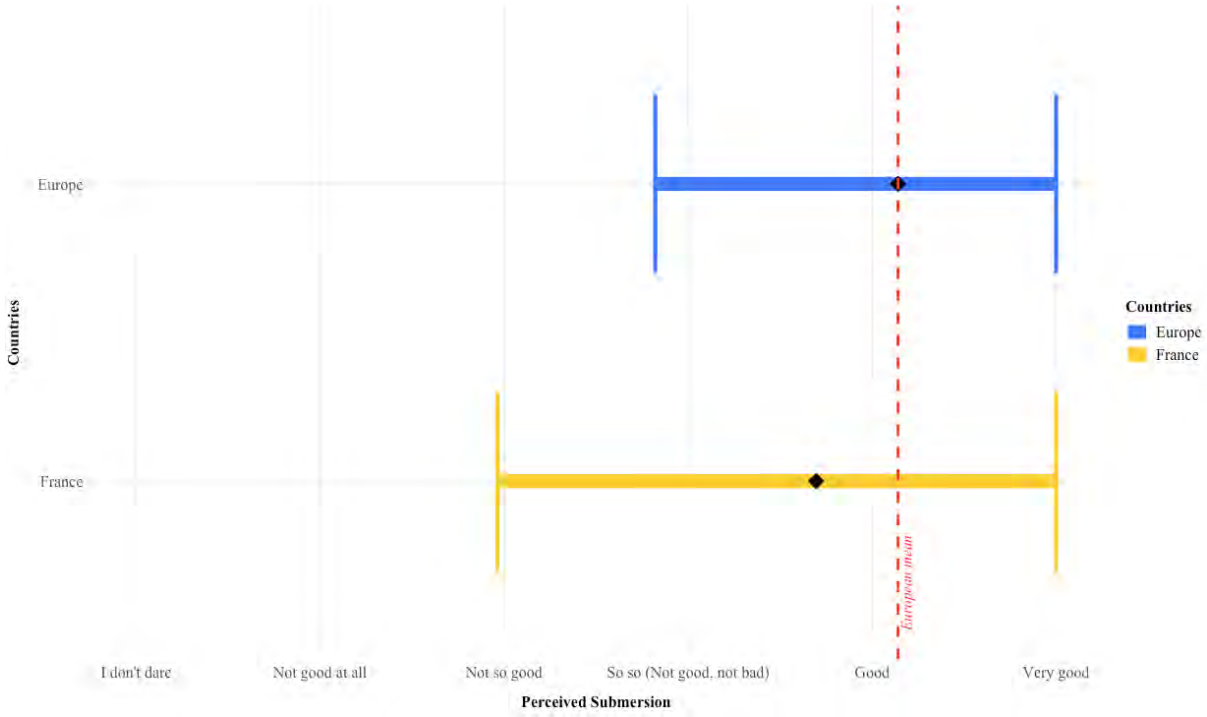


Figure 171. Distribution of the Perceived Submersion in Europe and in France (Mean±SD).

Table 296. Comparative Analysis of the Perceived Submersion in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	575	2,226	3.07^{e-06} ***	0.16 [a]	0.93 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

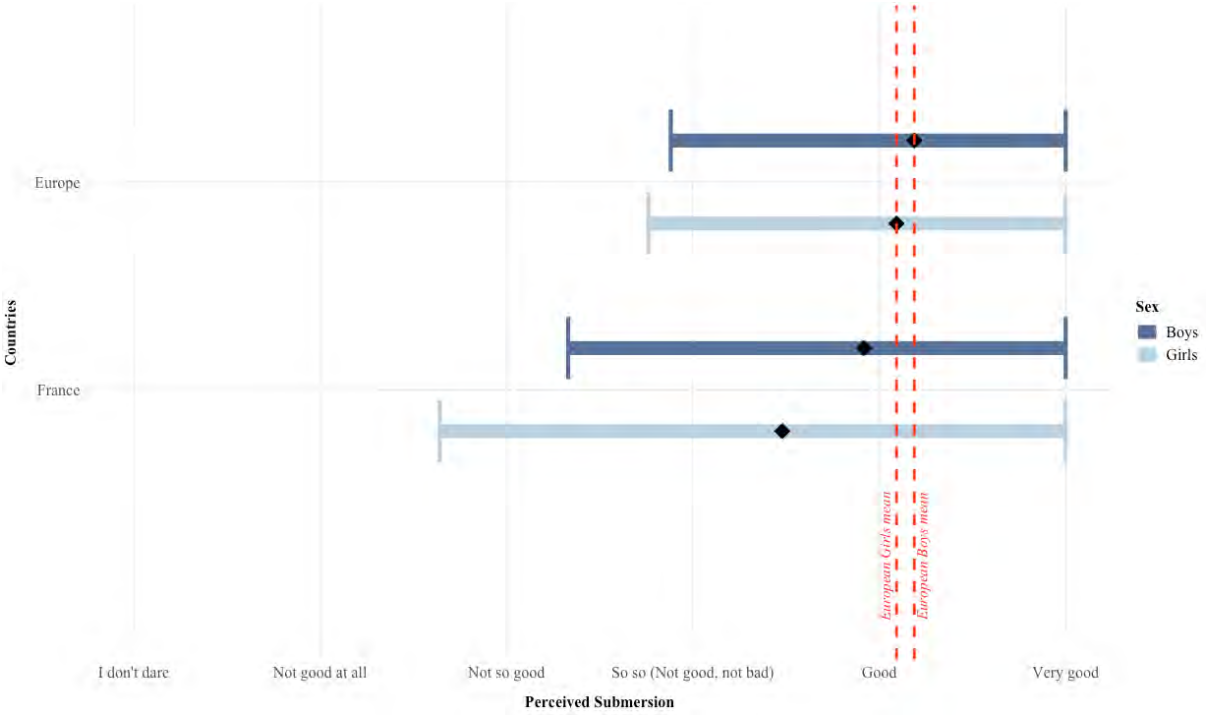


Figure 172. Distribution of the Perceived Submersion according to the Sex in Europe and in France (Mean±SD).

Table 297. Comparative Analysis of the Perceived Submersion in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	Boys	283	1,102	0.02 *	0.05 [a]	0.36 [1]
	Girls	292	1,102	1.3^{e-05} ***	0.11 [a]	0.9 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 298. Comparative Analysis of the Perceived Submersion in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
France	Boys *vs* Girls	283	292	6.4^{e-03} **	0.1 [a]	0.72 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

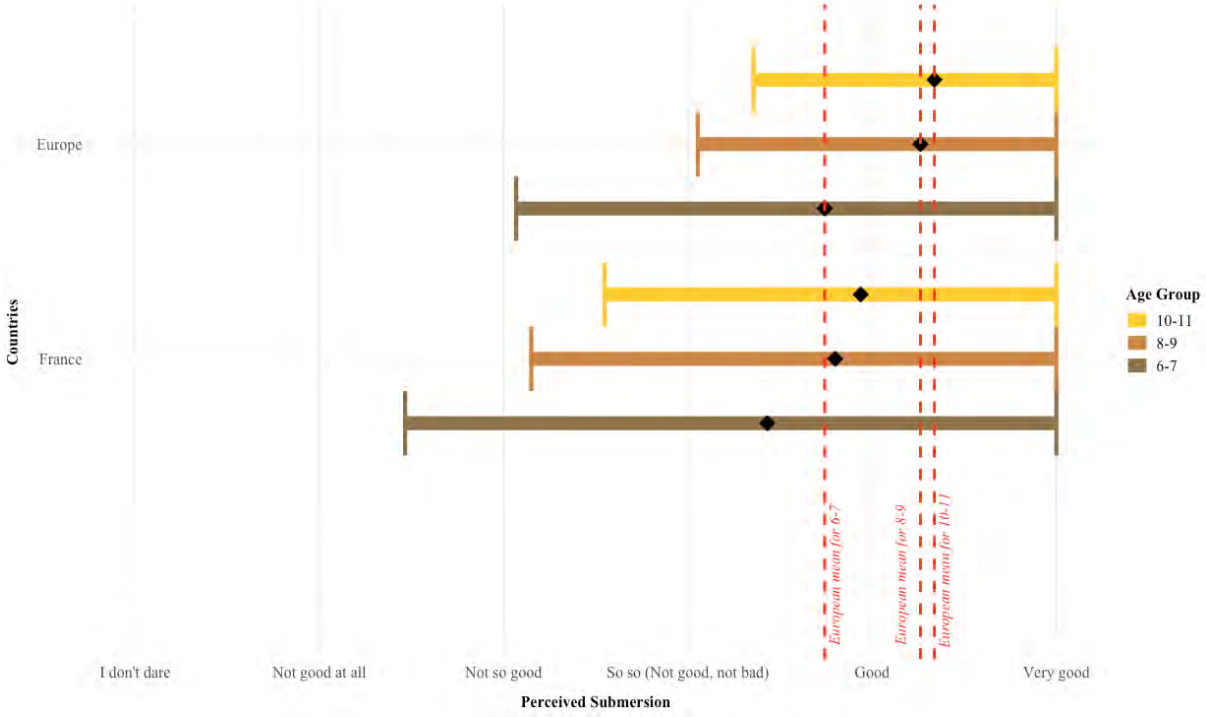


Figure 173. Distribution of the Perceived Submersion according to the Age Group in Europe and in France (Mean±SD).

Table 299. Comparative Analysis of the Perceived Submersion in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	211	626	0.17	0.04 [a]	0.2 [1]
	8-9 yo	235	884	4^{e-04} ***	0.09 [a]	0.72 [2]
	10-11 yo	129	716	0.004 **	0.09 [a]	0.46 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 300. Comparative Analysis of the Perceived Submersion in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	211	235		0.19	0.06 [a]	0.22 [1]
	8-9 yo *vs* 10-11 yo		235	129	0.89	0.006 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	211		129	0.29	0.05 [a]	0.16 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

9. Perceived floating

Overview

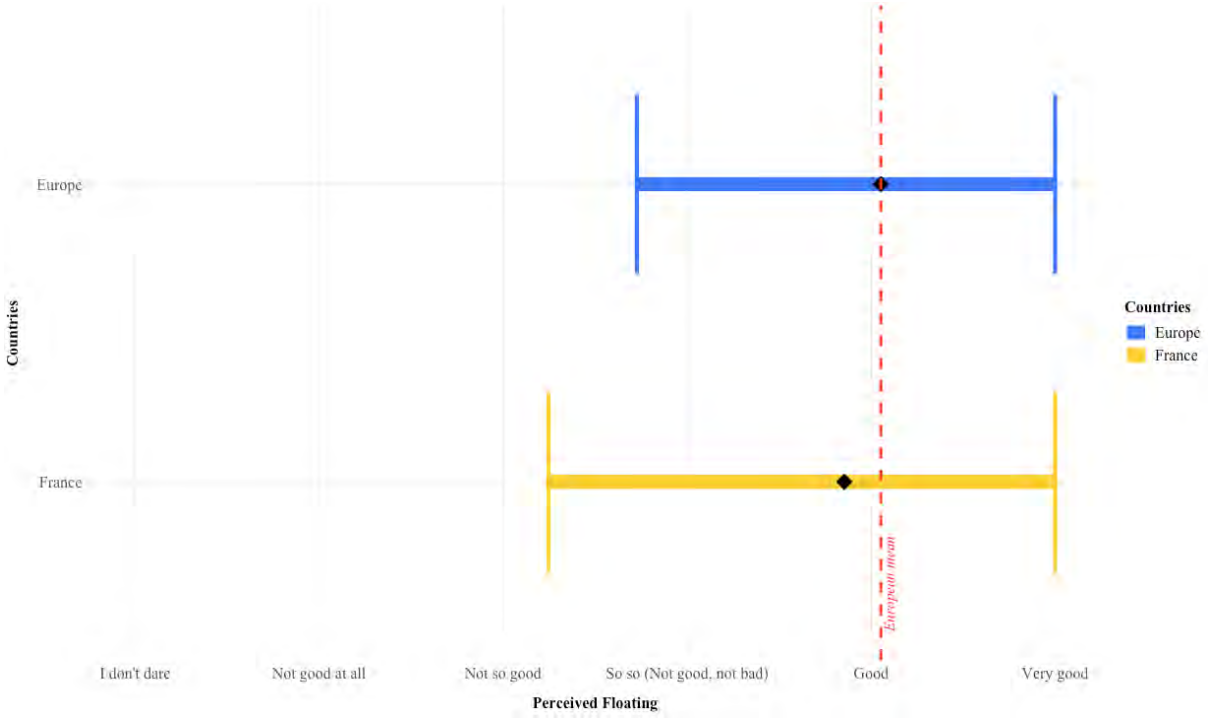


Figure 174. Distribution of the Perceived Floating in Europe and in France (Mean±SD).

Table 301. Comparative Analysis of the Perceived Floating in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	575	2,235	0.29	0.04 [a]	0.12 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

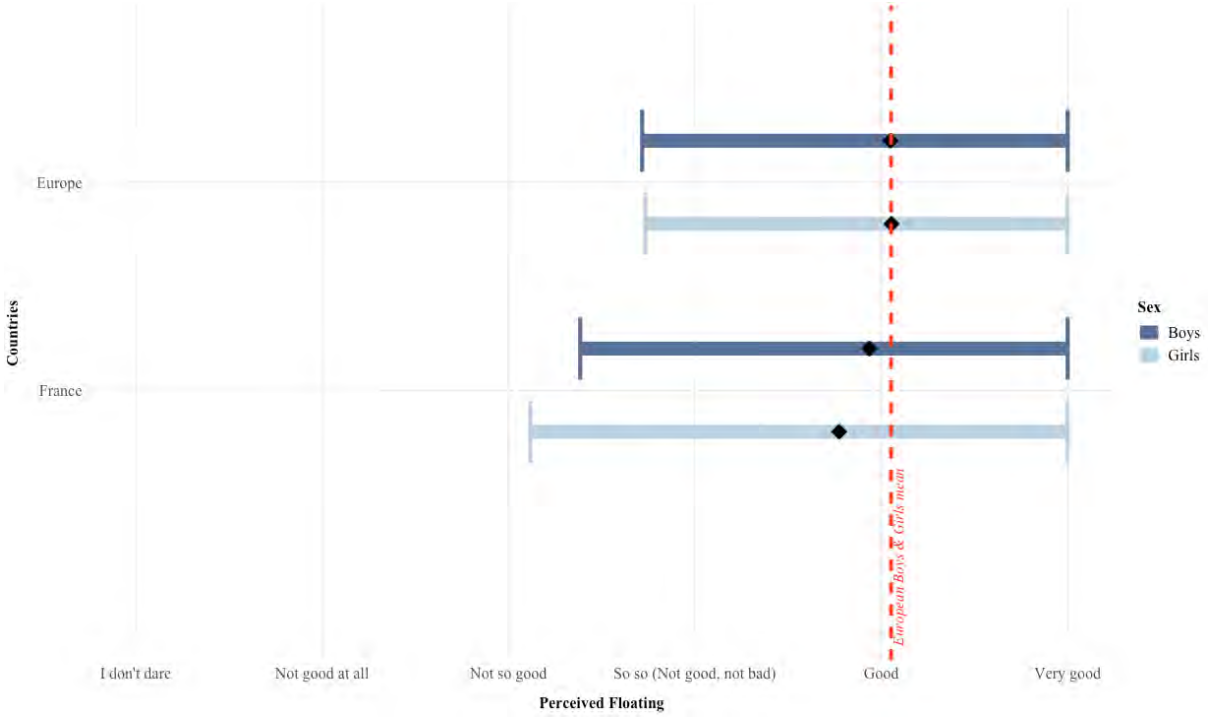


Figure 175. Distribution of the Perceived Floating according to the Sex in Europe and in France (Mean±SD).

Table 302. Comparative Analysis of the Perceived Floating in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	Boys	283	1,128	0.99	2 e-04 [a]	0.05 [1]
	Girls	292	1,107	0.14	0.04 [a]	0.2 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 303. Comparative Analysis of the Perceived Floating in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
France	Boys *vs* Girls	283	292	0.27	0.04 [a]	0.17 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

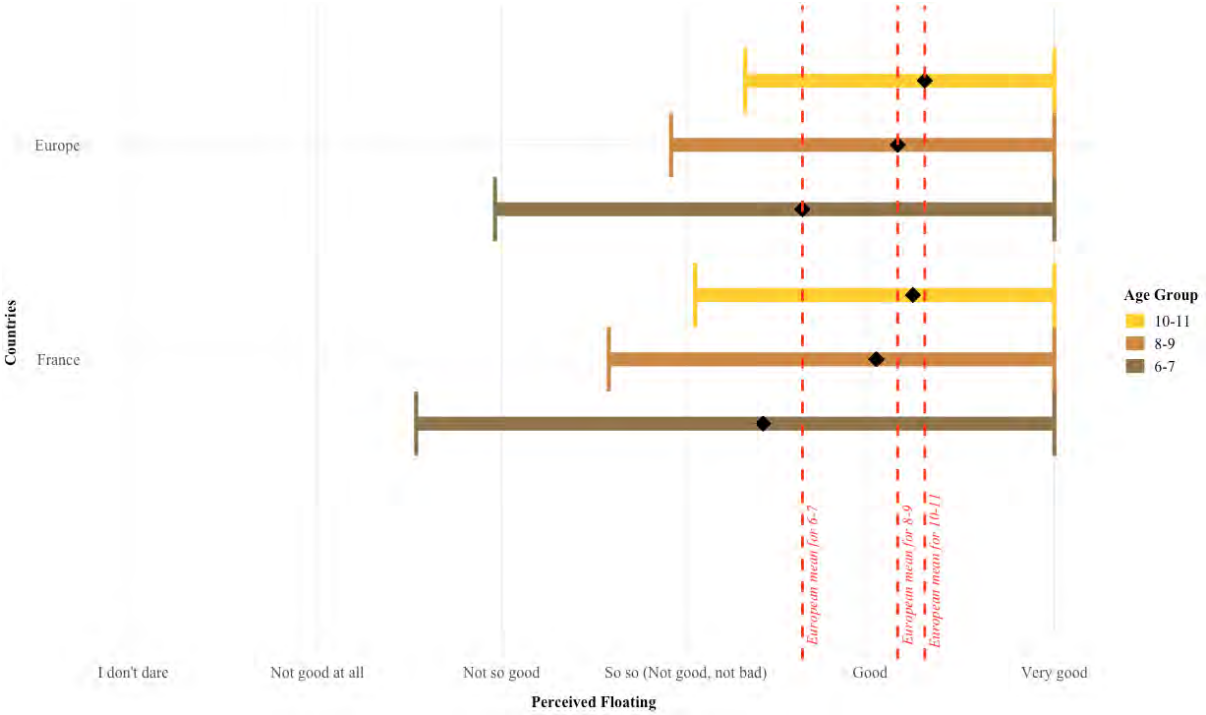


Figure 176. Distribution of the Perceived Floating according to the Age Group in Europe and in France (Mean±SD).

Table 304. Comparative Analysis of the Perceived Floating in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	210	626	0.35	0.03 [a]	0.12 [1]
	8-9 yo	236	888	0.86	0.005 [a]	0.05 [1]
	10-11 yo	129	721	0.74	0.01 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 305. Comparative Analysis of the Perceived Floating in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	210	236		0.002 **	0.14 [a]	0.82 [3]
	8-9 yo *vs* 10-11 yo		236	129	0.46	0.03 [a]	0.1 [1]
	6-7 yo *vs* 10-11 yo	210		129	7^{e-04} ***	0.17 [a]	0.86 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

e. Enjoyment

1. Swimming lessons at school

Overview

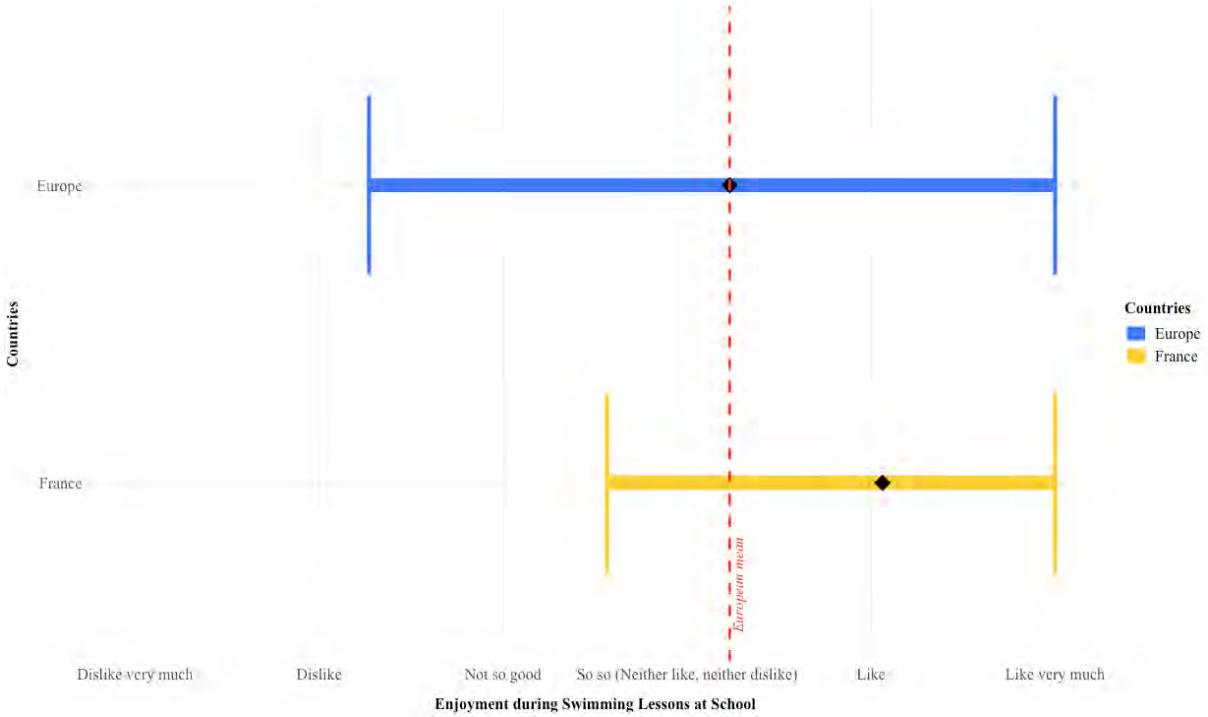


Figure 177. Distribution of the Enjoyment during Swimming Lessons at School in Europe and in France (Mean±SD).

Table 306. Comparative Analysis of the Enjoyment during Swimming Lessons at School in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	573	2,201	7.48^{e-22} ***	0.35 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

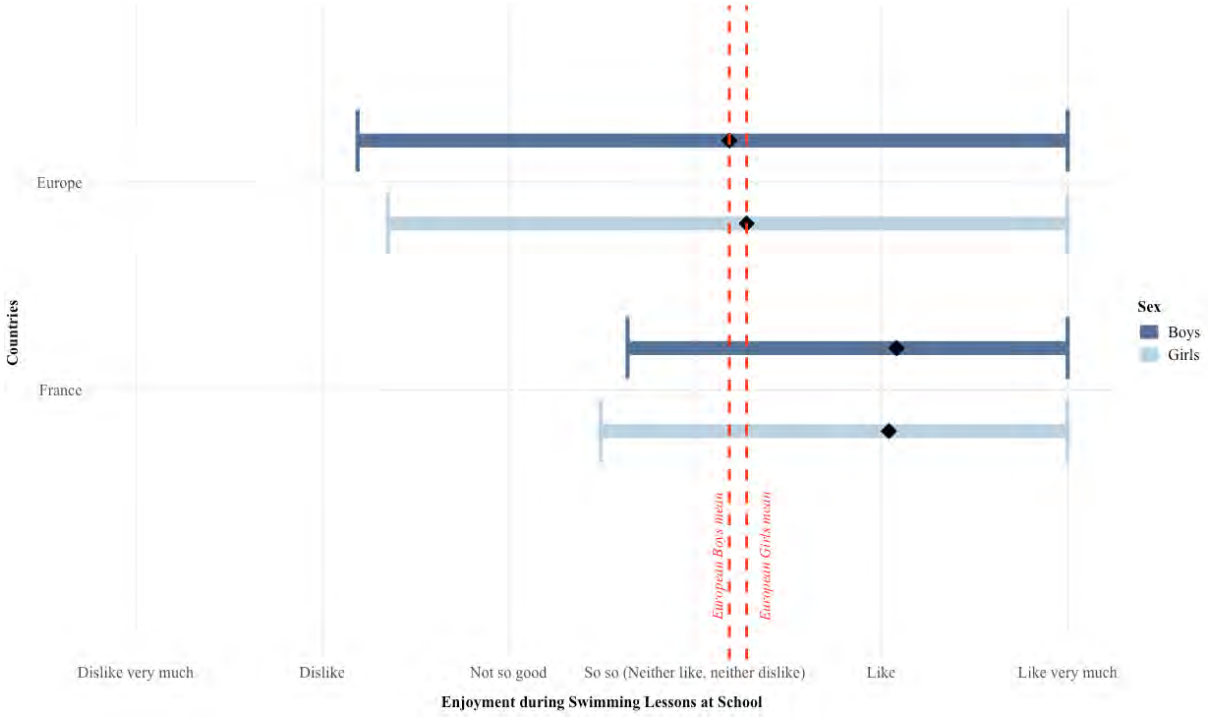


Figure 178. Distribution of the Enjoyment during Swimming Lessons at School according to the Sex in Europe and in France (Mean±SD).

Table 307. Comparative Analysis of the Enjoyment during Swimming Lessons at School in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	Boys	281	1,106	5.33^{e-12} ***	0.18 [a]	1 [4]
	Girls	292	1,095	1.99^{e-11} ***	0.17 [a]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 308. Comparative Analysis of the Enjoyment during Swimming Lessons at School in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
France	Boys *vs* Girls	281	292	0.97	0.001 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

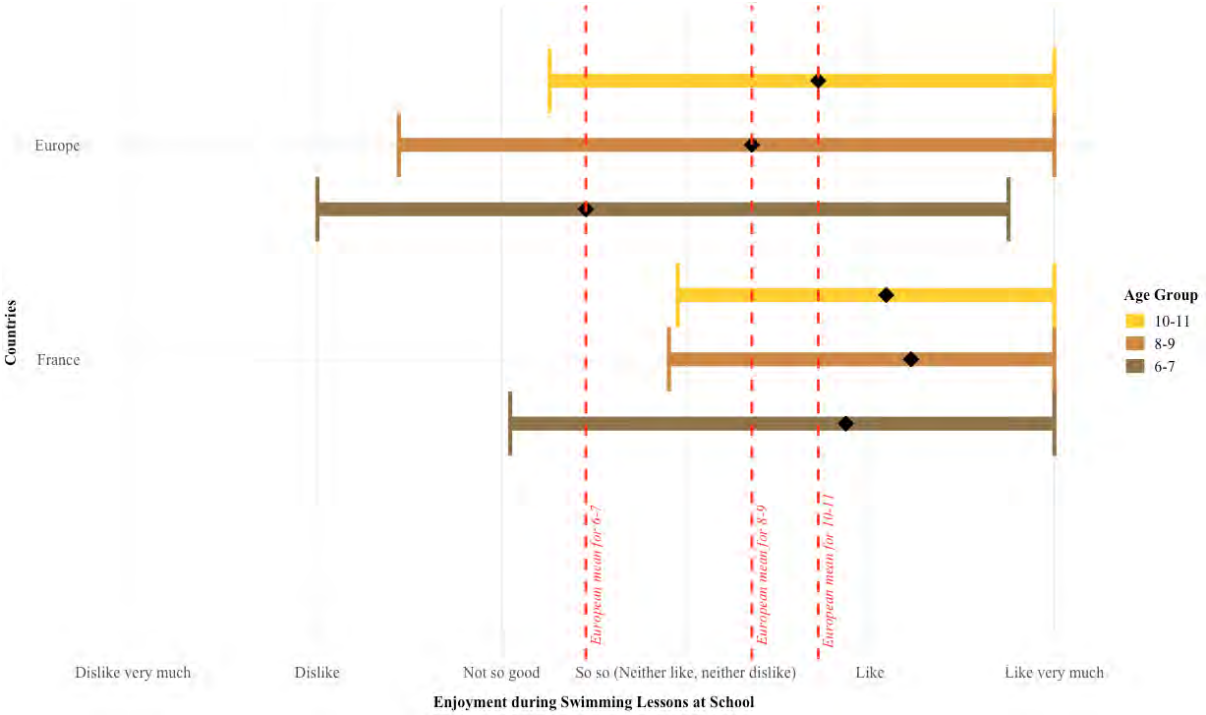


Figure 179. Distribution of the Enjoyment during Swimming Lessons at School according to the Age Group in Europe and in France (Mean±SD).

Table 309. Comparative Analysis of the Enjoyment during Swimming Lessons at School in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	213	604	1.88^{e-15} ***	0.26 [b]	1 [4]
	8-9 yo	234	865	3.75^{e-10} ***	0.18 [a]	1 [4]
	10-11 yo	126	732	0.02 *	0.08 [a]	0.37 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 310. Comparative Analysis of the Enjoyment during Swimming Lessons at School in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	213	234		0.61	0.02 [a]	0.07 [1]
	8-9 yo *vs* 10-11 yo		234	126	0.02 *	0.11 [a]	0.51 [2]
	6-7 yo *vs* 10-11 yo	213		126	0.15	0.07 [a]	0.24 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

2. Swimming lessons at school with friends

Overview

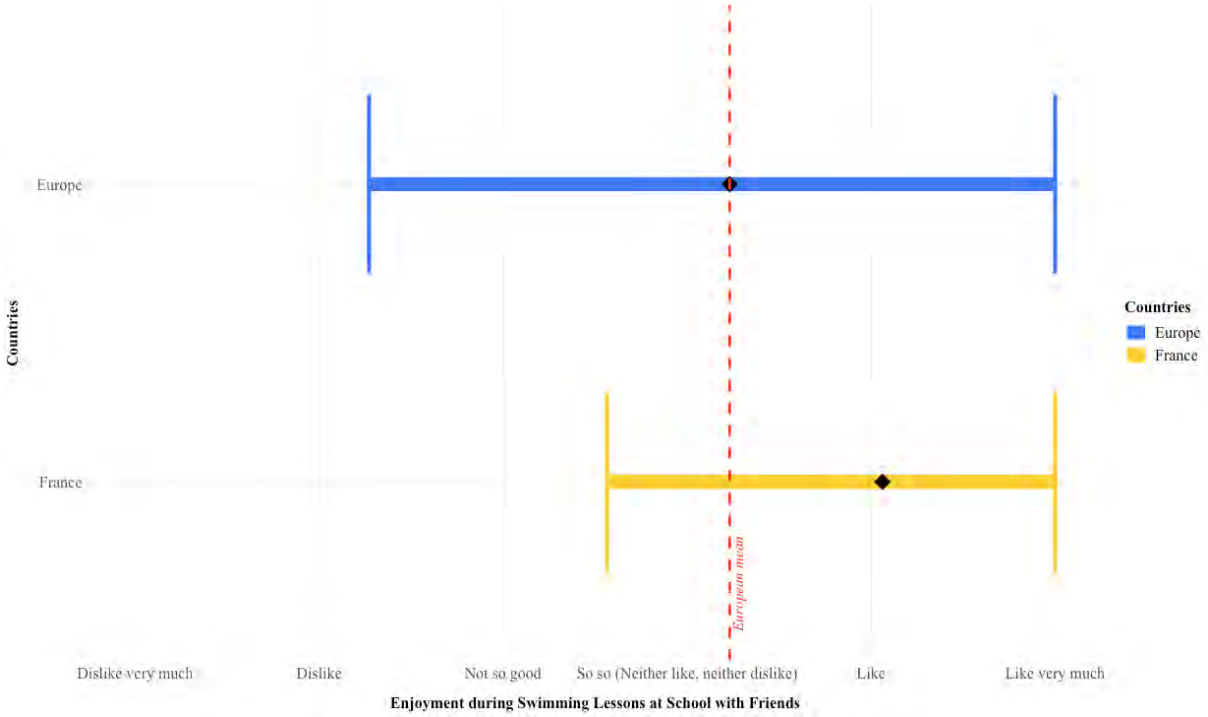


Figure 180. Distribution of the Enjoyment during Swimming Lessons at School with Friends in Europe and in France (Mean±SD).

Table 311. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	573	2,201	7.48^{e-22} ***	0.35 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

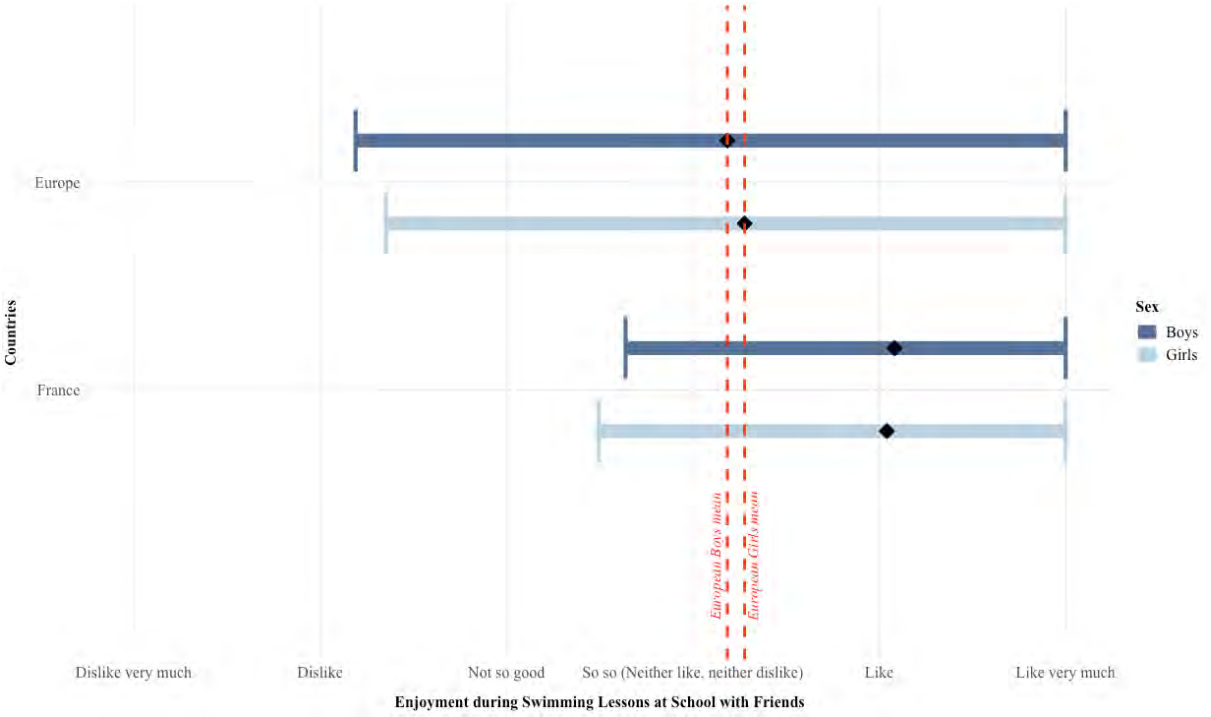


Figure 181. Distribution of the Enjoyment during Swimming Lessons at School with Friends according to the Sex in Europe and in France (Mean±SD).

Table 312. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	Boys	281	1,106	5.33^{e-12} ***	0.18 [a]	1 [4]
	Girls	292	1,095	1.99^{e-11} ***	0.17 [a]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 313. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
France	Boys *vs* Girls	281	292	0.97	0.001 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

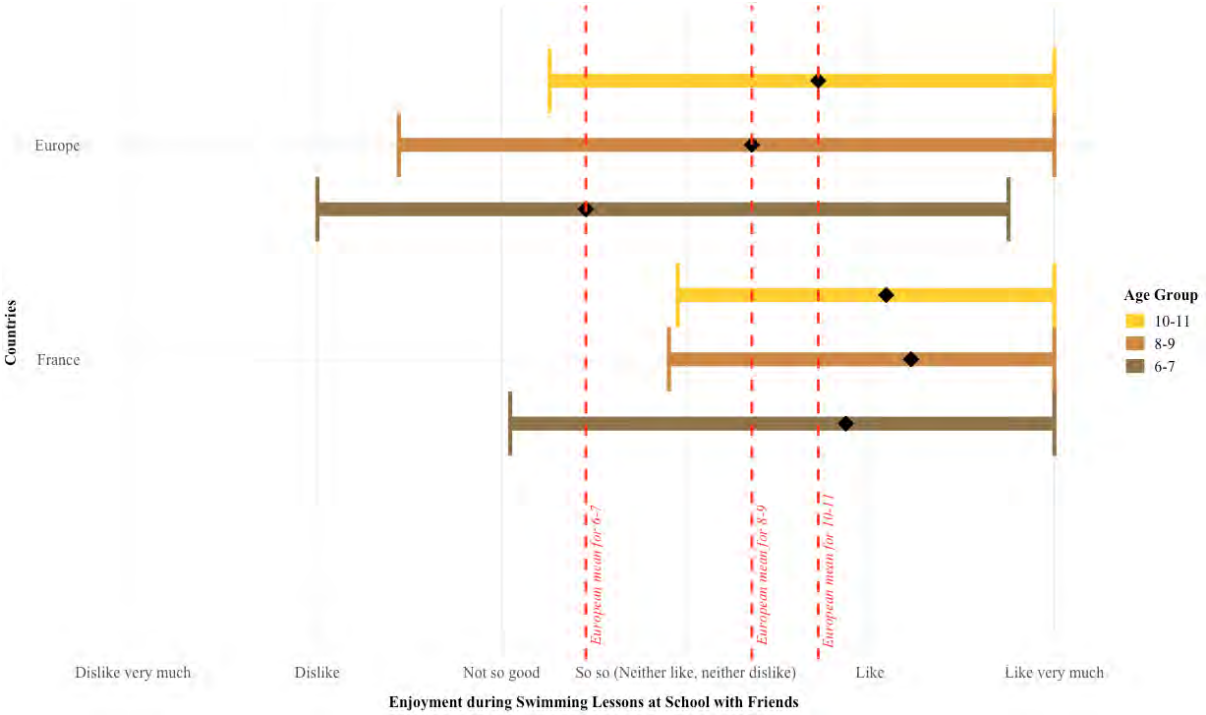


Figure 182. Distribution of the Enjoyment during Swimming Lessons at School with Friends according to the Age Group in Europe and in France (Mean±SD).

Table 314. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	213	604	1.88^{e-15} ***	0.26 [b]	1 [4]
	8-9 yo	234	865	3.75^{e-10} ***	0.18 [a]	1 [4]
	10-11 yo	126	732	0.02 *	0.08 [a]	0.37 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 315. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	213	234		0.61	0.02 [a]	0.07 [1]
	8-9 yo *vs* 10-11 yo		234	126	0.02 *	0.11 [a]	0.51 [2]
	6-7 yo *vs* 10-11 yo	213		126	0.15	0.07 [a]	0.24 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

3. Swimming lessons out-of-school

Overview

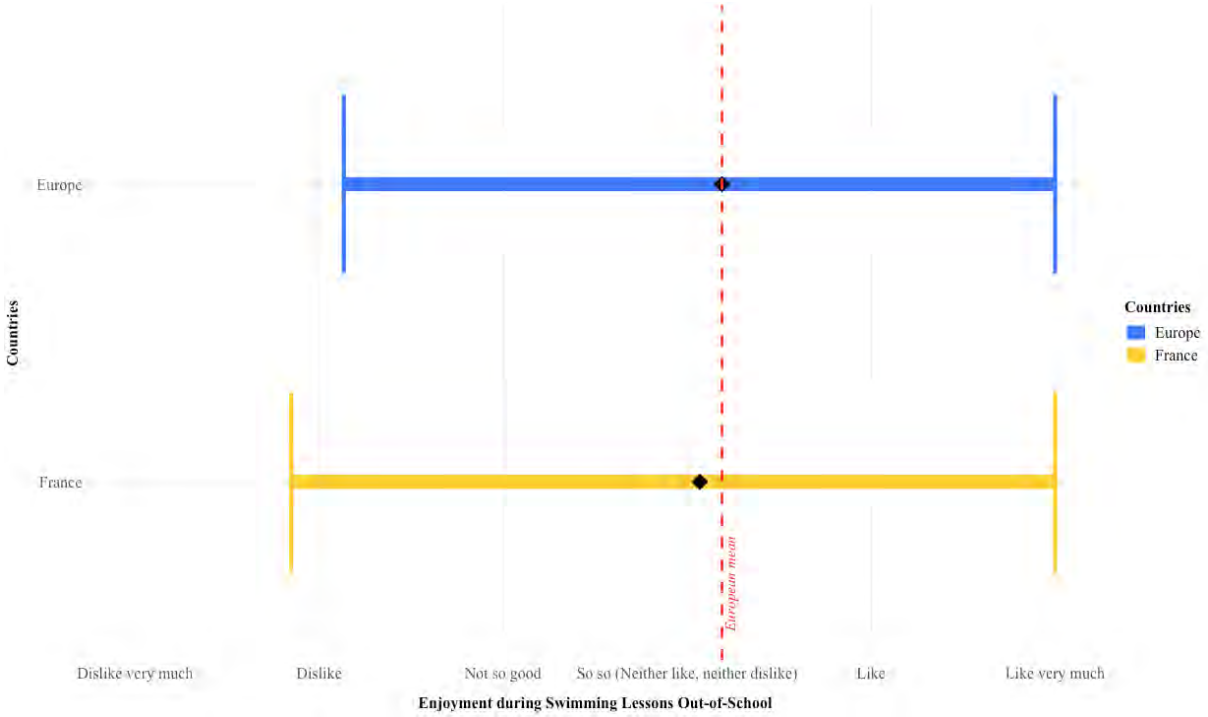


Figure 183. Distribution of the Enjoyment during Swimming Lessons Out-of-School in Europe and in France (Mean±SD).

Table 316. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	567	2,304	0.99	3^{e-04} [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

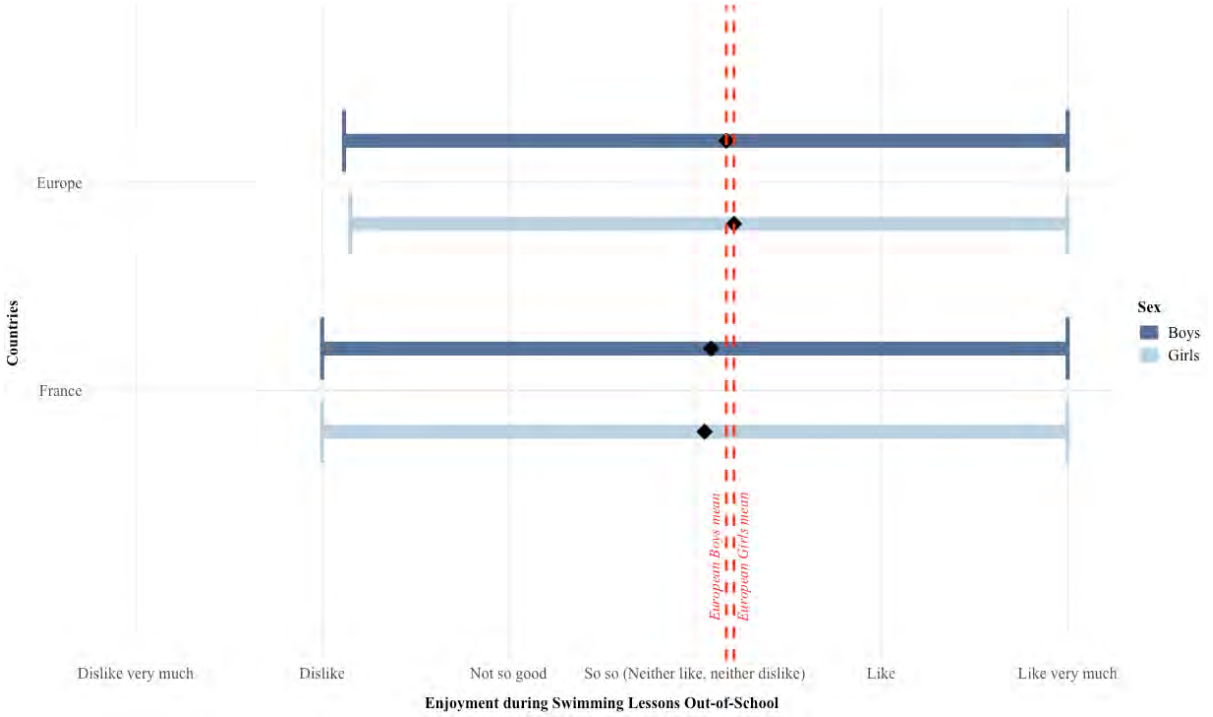


Figure 184. Distribution of the Enjoyment during Swimming Lessons Out-of-School according to the Sex in Europe and in France (Mean±SD).

Table 317. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	Boys	278	1,166	0.8	0.006 [a]	0.05 [1]
	Girls	289	1,138	0.81	0.006 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 318. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France	Boys *vs* Girls	278	289	0.84	0.008 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

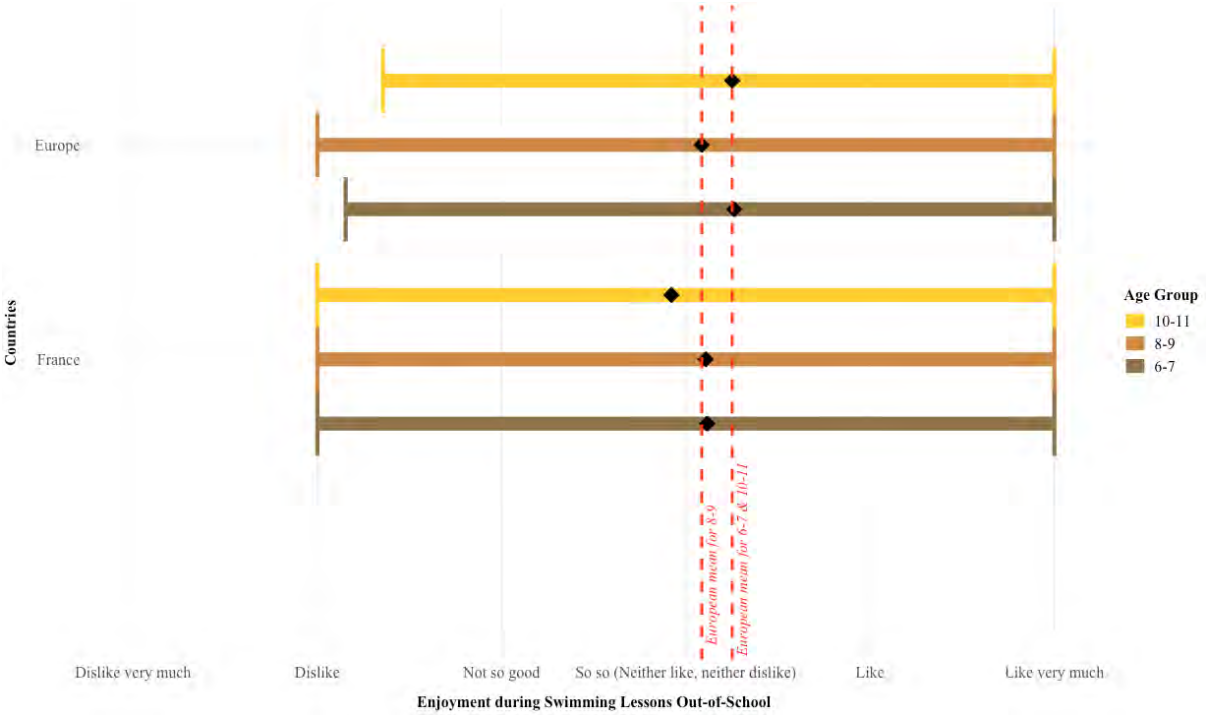


Figure 185. Distribution of the Enjoyment during Swimming Lessons Out-of-School according to the Age Group in Europe and in France (Mean±SD).

Table 319. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	208	659	0.86	0.006 [a]	0.05 [1]
	8-9 yo	232	909	0.76	0.008 [a]	0.06 [1]
	10-11 yo	127	736	0.47	0.02 [a]	0.08 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 320. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	208	232		0.41	0.04 [a]	0.12 [1]
	8-9 yo *vs* 10-11 yo		232	127	0.43	0.04 [a]	0.1 [1]
	6-7 yo *vs* 10-11 yo	208		127	0.17	0.07 [a]	0.23 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

4. Swimming lessons out-of-school with friends

Overview

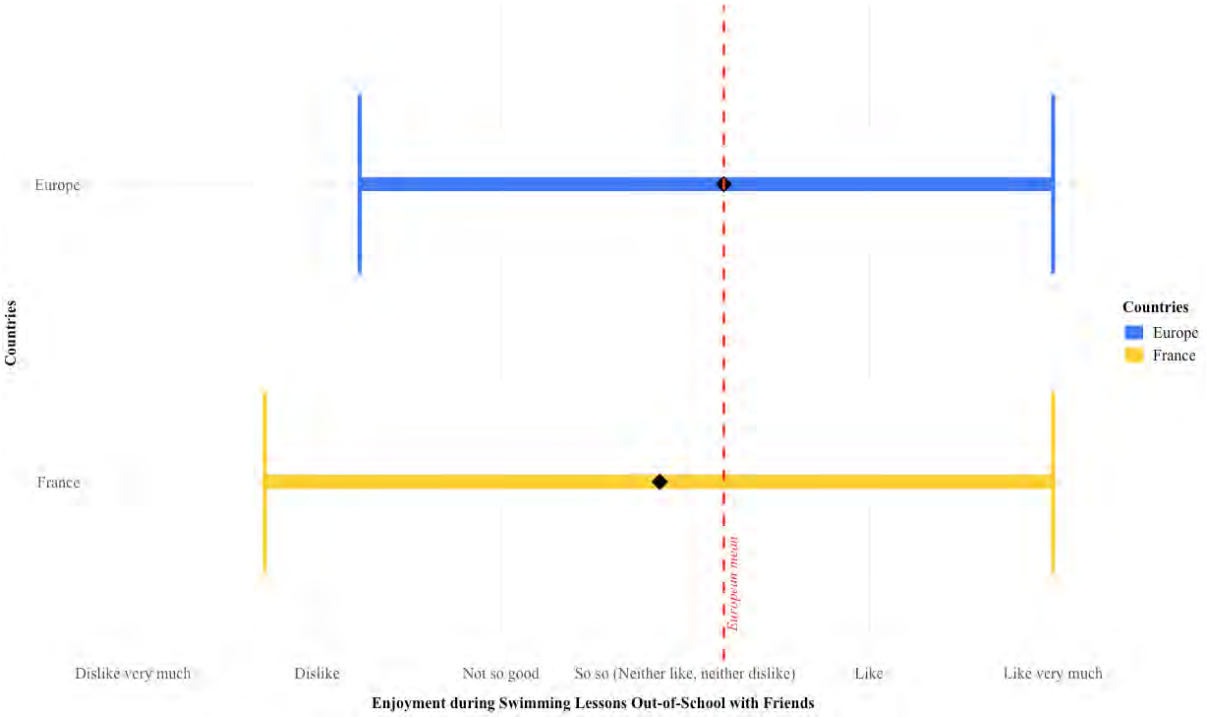


Figure 186. Distribution of the Enjoyment during Swimming Lessons Out-of-School with Friends in Europe and in France (Mean±SD).

Table 321. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	565	2,299	0.01 **	0.09 [a]	0.5 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

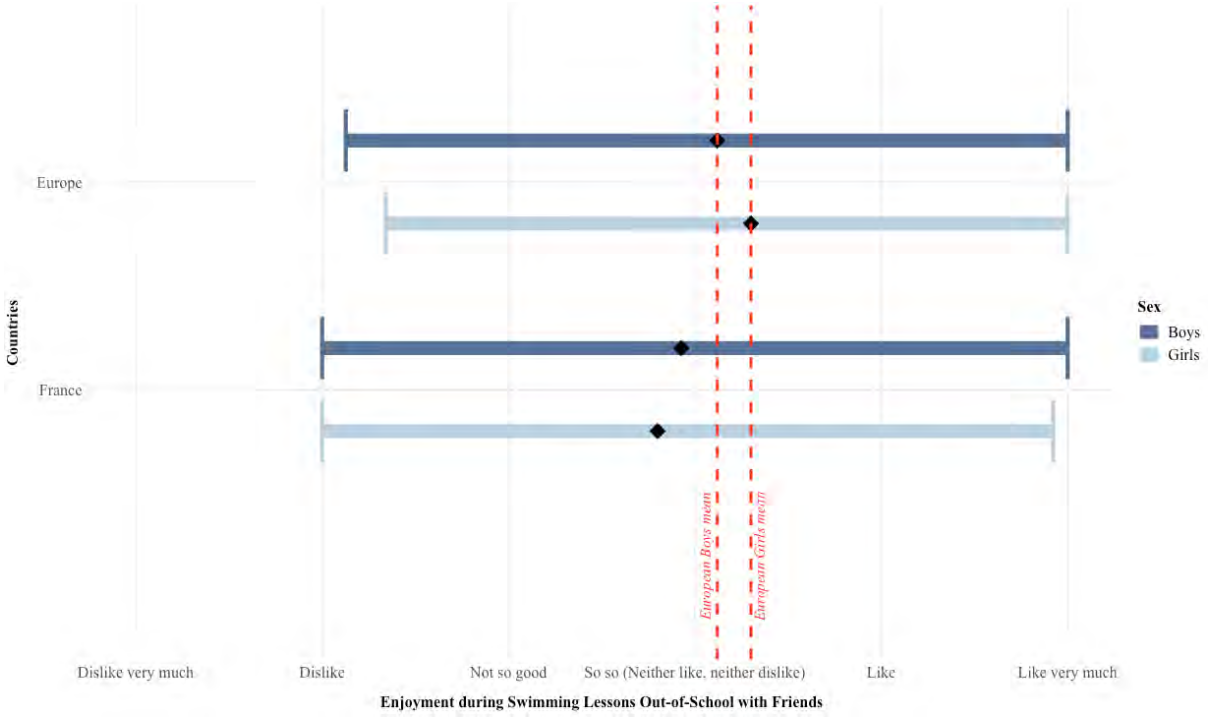


Figure 187. Distribution of the Enjoyment during Swimming Lessons Out-of-School with Friends according to the Sex the Sex in Europe and in France (Mean±SD).

Table 322. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	Boys	275	1,158	0.6	0.013 [a]	0.07 [1]
	Girls	290	1,141	0.002 **	0.08 [a]	0.68 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 323. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
France	Boys *vs* Girls	275	290	0.33	0.04 [a]	0.15 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

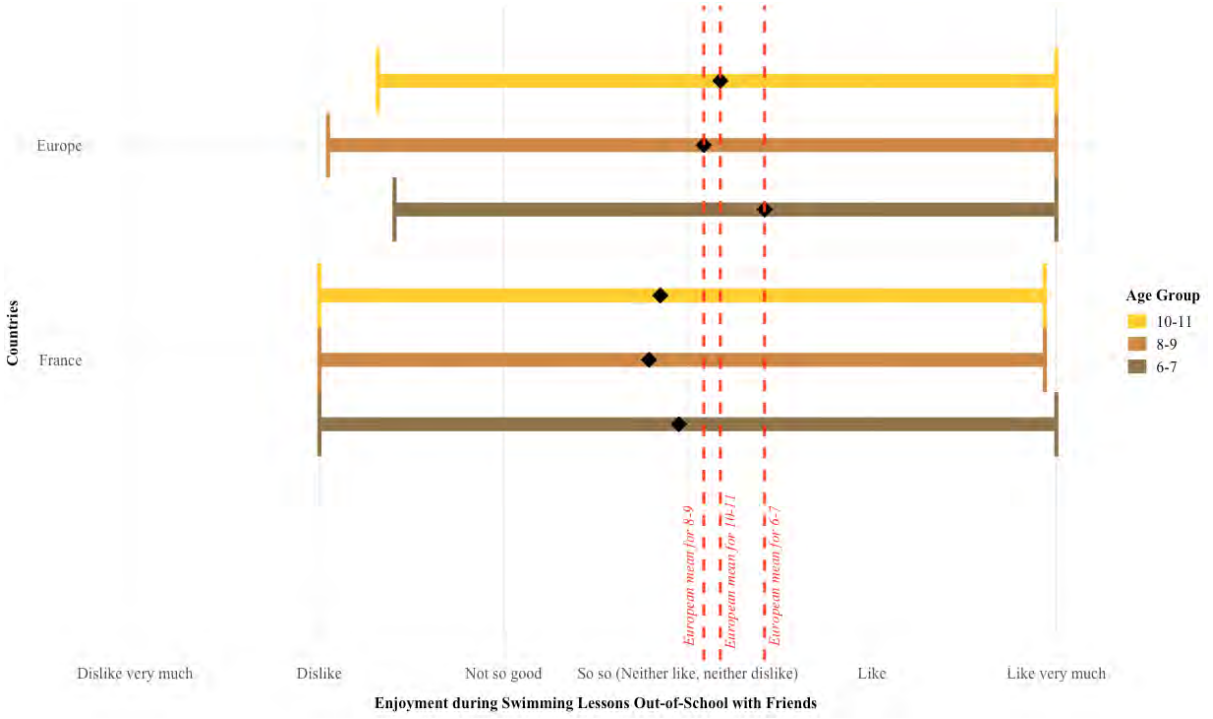


Figure 188. Distribution of the Enjoyment during Swimming Lessons Out-of-School with Friends according to the Age Group in Europe and in France (Mean±SD).

Table 324. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	206	661	0.02 *	0.07 [a]	0.45 [1]
	8-9 yo	232	906	0.13	0.04 [a]	0.21 [1]
	10-11 yo	127	732	0.28	0.04 [a]	0.12 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 325. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	206	232		0.25	0.05 [a]	0.19 [1]
	8-9 yo *vs* 10-11 yo		232	127	0.94	0.003 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	206		127	0.37	0.05 [a]	0.13 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

5. Playing in the swimming pool

Overview

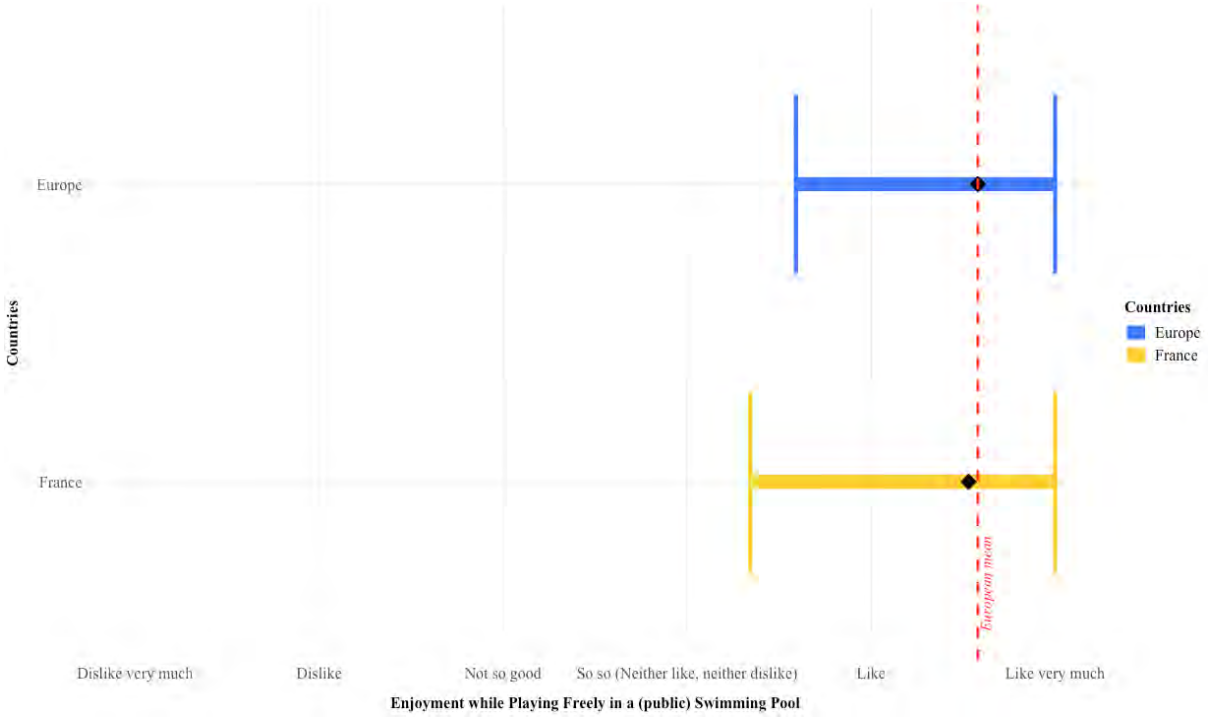


Figure 189. Distribution of the Enjoyment while Playing Freely in the Swimming Pool in Europe and in France (Mean±SD).

Table 326. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	574	2,401	0.26	0.03 [a]	0.1 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

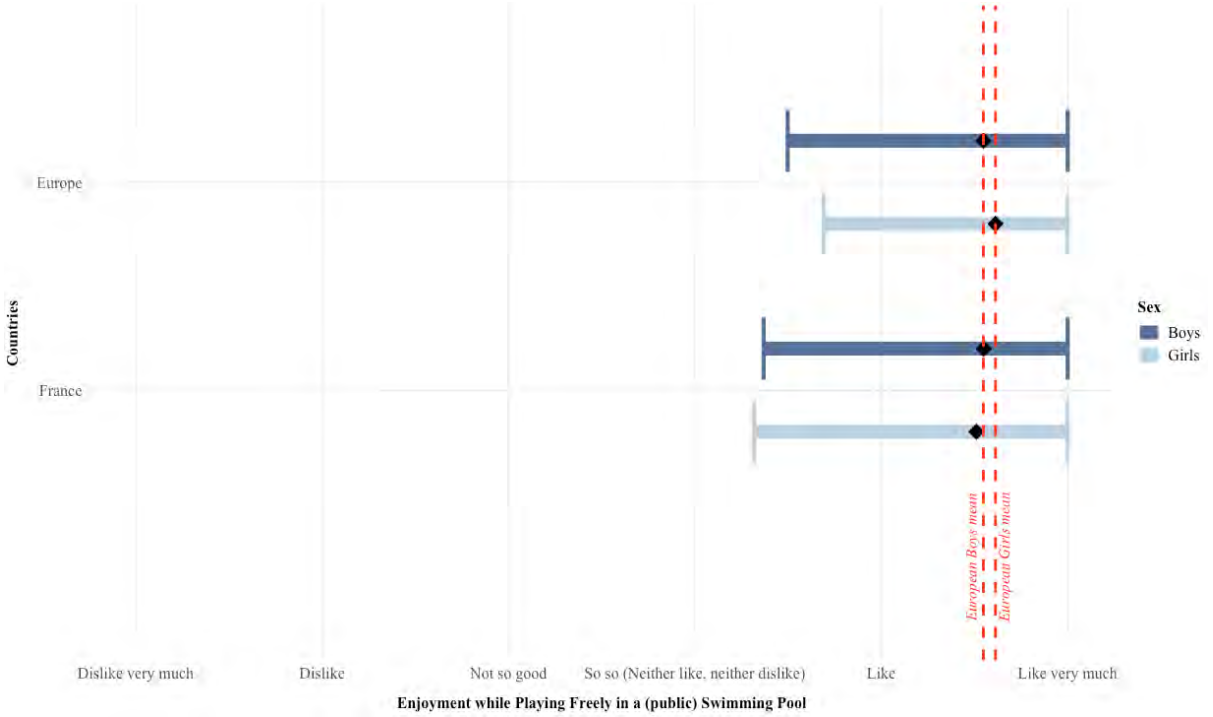


Figure 190. Distribution of the Enjoyment while Playing Freely in the Swimming Pool according to the Sex in Europe and in France (Mean±SD).

Table 327. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	Boys	280	1,216	0.14	0.03 [a]	0.09 [1]
	Girls	294	1,185	0.93	0.002 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 328. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France	Boys *vs* Girls	280	294	0.38	0.02 [a]	0.09 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

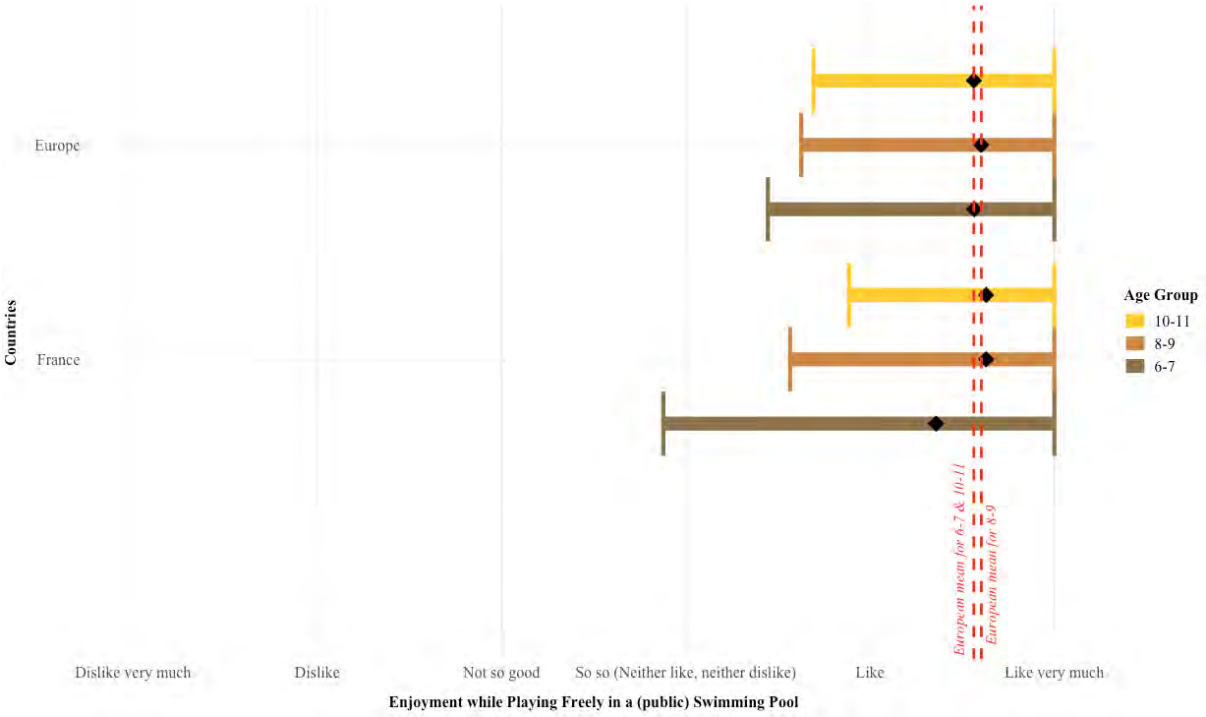


Figure 191. Distribution of the Enjoyment while Playing Freely in the Swimming Pool according to the Age Group in Europe and in France (Mean±SD).

Table 329. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	212	683	0.53	0.01 [a]	0.05 [1]
	8-9 yo	235	956	0.17	0.03 [a]	0.12 [1]
	10-11 yo	127	762	0.53	0.02 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 330. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	212	235		0.25	0.04 [a]	0.12 [1]
	8-9 yo *vs* 10-11 yo		235	127	0.06	0.07 [a]	0.24 [1]
	6-7 yo *vs* 10-11 yo	212		127	0.5	0.03 [a]	0.07 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

6. Playing in the swimming pool with friends

Overview

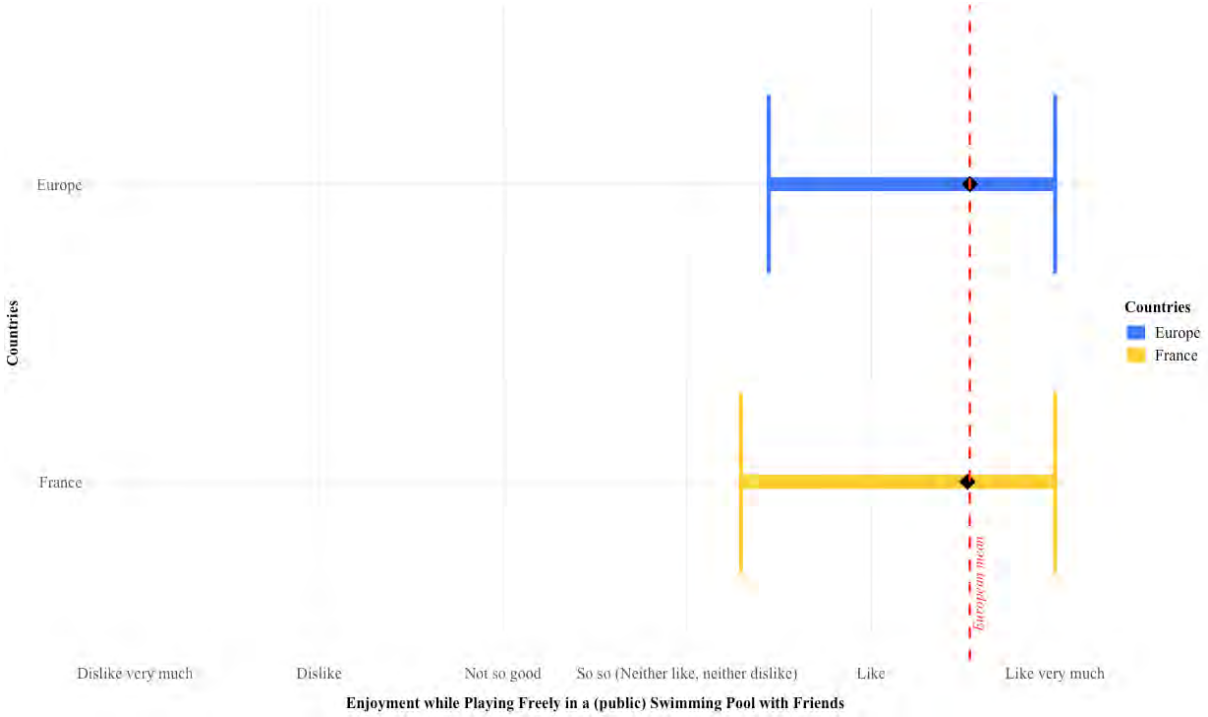


Figure 192. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Europe and in France (Mean±SD).

Table 331. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	577	2,392	0.09	0.05 [a]	0.17 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

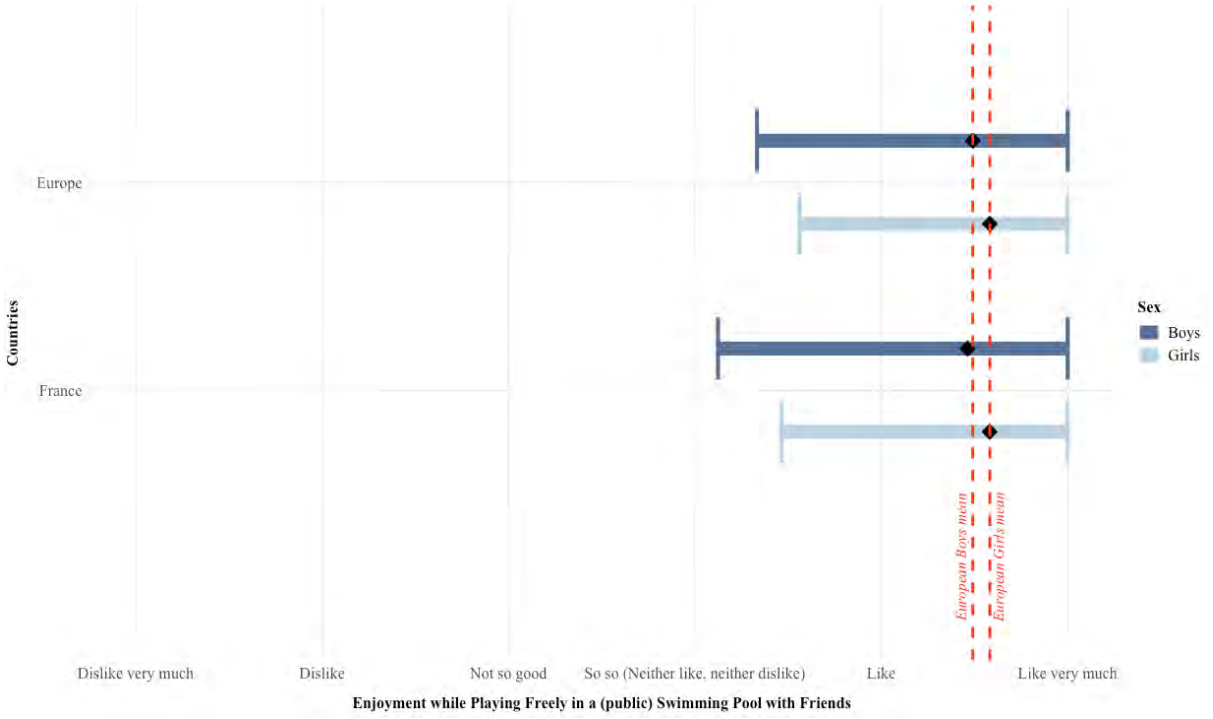


Figure 193. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Friends according to the Sex in Europe and in France (Mean±SD).

Table 332. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	Boys	281	1,206	0.16	0.03 [a]	0.13 [1]
	Girls	296	1,186	0.34	0.02 [a]	0.09 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 333. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
France	Boys *vs* Girls	281	296	0.96	0.001 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

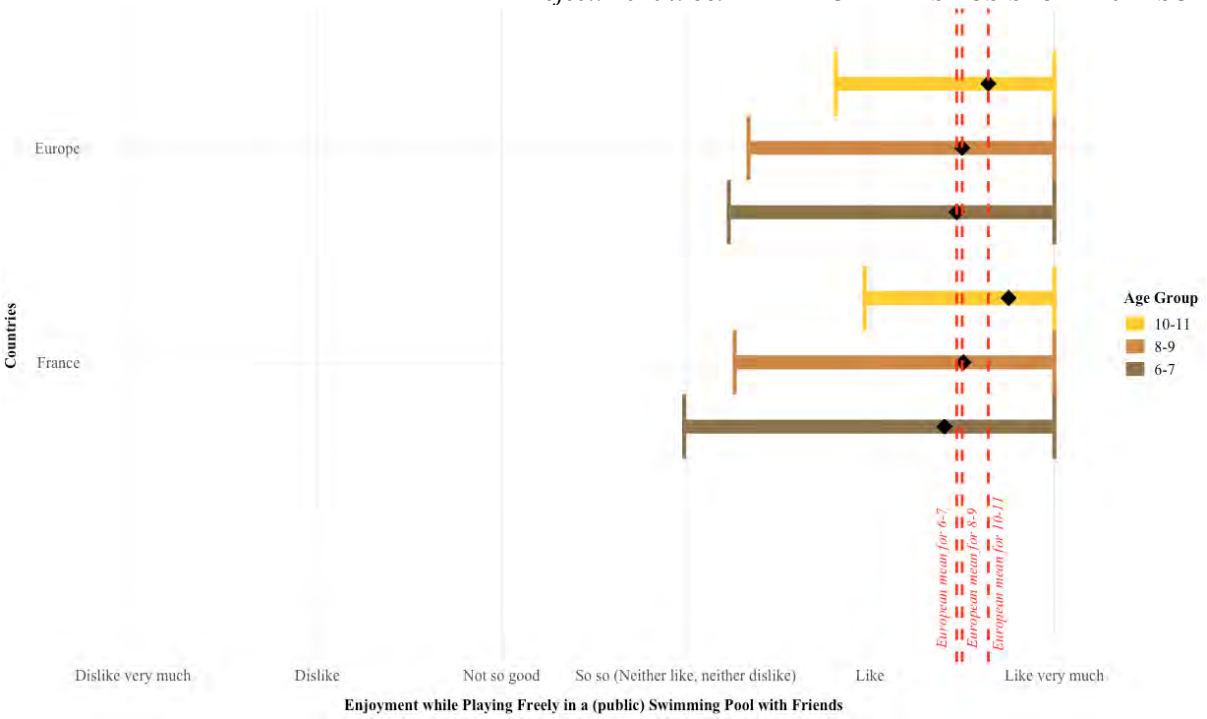


Figure 194. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Friends according to the Age Group in Europe and in France (Mean±SD).

Table 334. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	213	683	0.67	0.01 [a]	0.06 [1]
	8-9 yo	235	950	0.38	0.02 [a]	0.08 [1]
	10-11 yo	129	759	0.04	0.05 [a]	0.18 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 335. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	213	235		0.88	0.005 [a]	0.05 [1]
	8-9 yo *vs* 10-11 yo		235	129	0.18	0.05 [a]	0.14 [1]
	6-7 yo *vs* 10-11 yo	213		129	0.15	0.05 [a]	0.15 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

7. Playing in the swimming pool with family

Overview

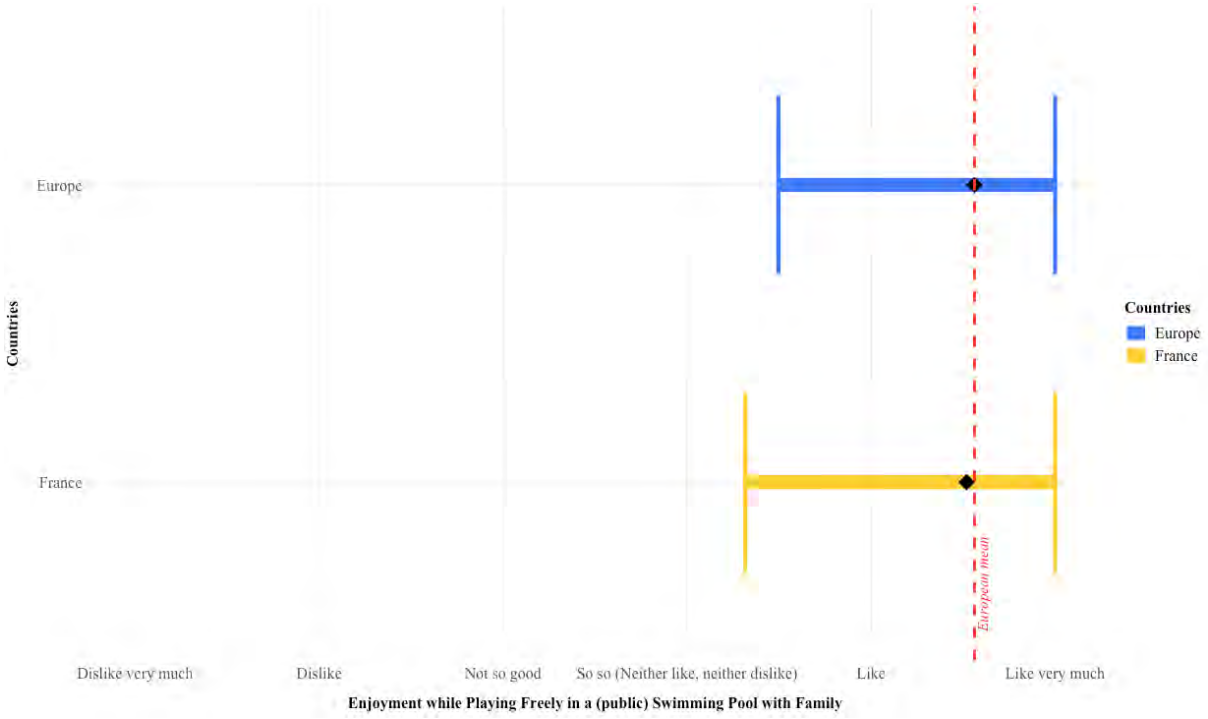


Figure 195. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Family in Europe and in France (Mean±SD).

Table 336. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	573	2,386	0.32	0.03 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

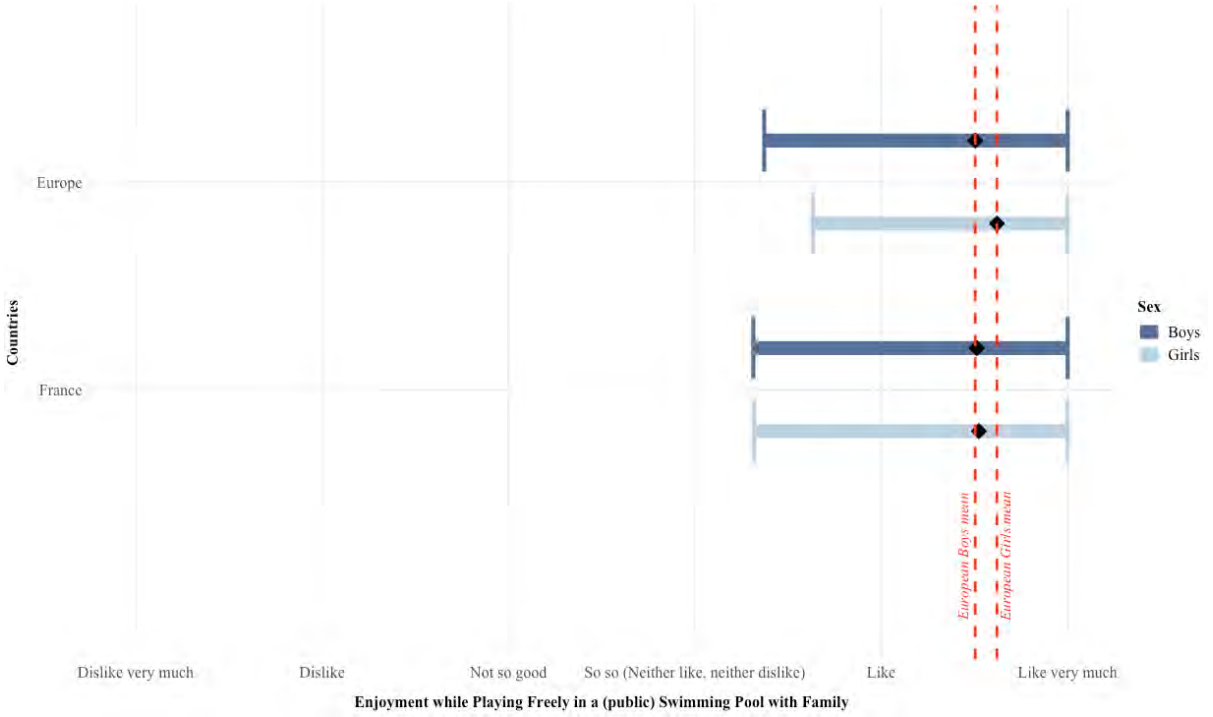


Figure 196. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Family according to the Sex in Europe and in France (Mean±SD).

Table 337. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	Boys	279	1,211	0.18	0.03 [a]	0.12 [1]
	Girls	294	1,175	0.99	3[e-04 a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 338. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
France	Boys *vs* Girls	279	294	0.91	0.003 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: p-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

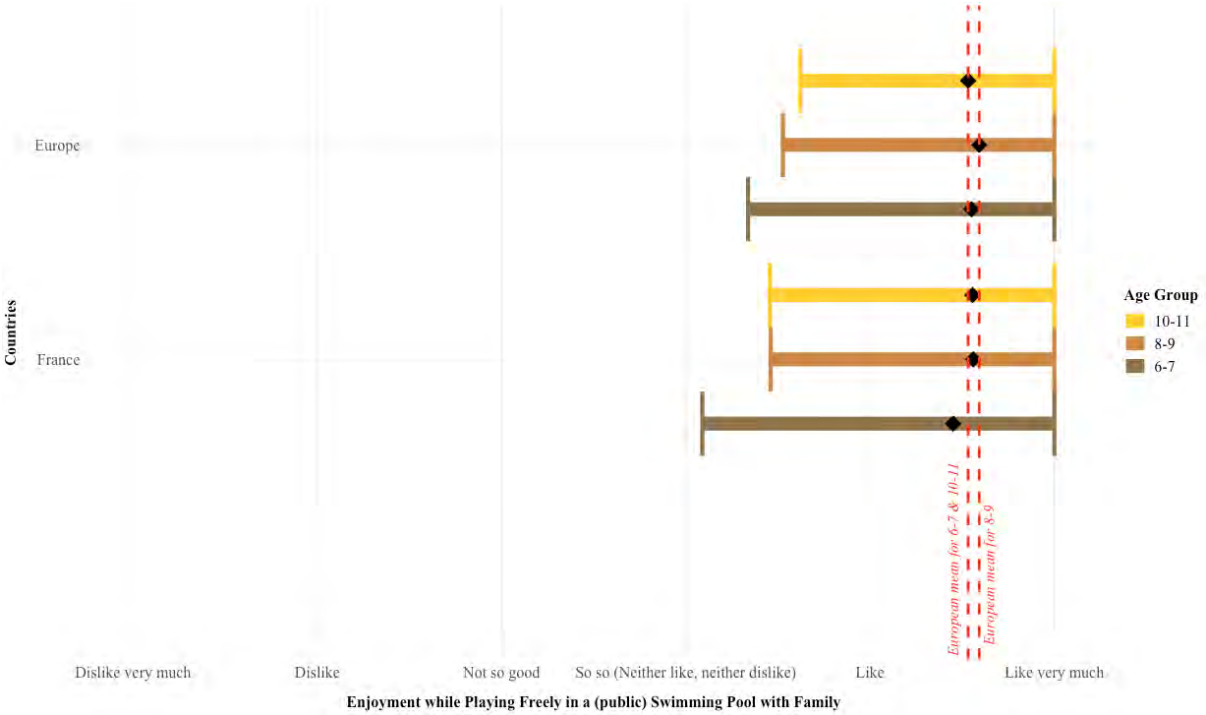


Figure 197. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Family according to the Age Group in Europe and in France (Mean±SD).

Table 339. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	213	680	0.83	0.005 [a]	0.05 [1]
	8-9 yo	234	947	0.69	0.008 [a]	0.05 [1]
	10-11 yo	126	759	0.08	0.05 [a]	0.16 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: p-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 340. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	213	234		0.69	0.01 [a]	0.06 [1]
	8-9 yo *vs* 10-11 yo		234	126	0.78	0.01 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	213		126	0.52	0.02 [a]	0.07 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

f. Opportunities

1. Swimming races

Overview

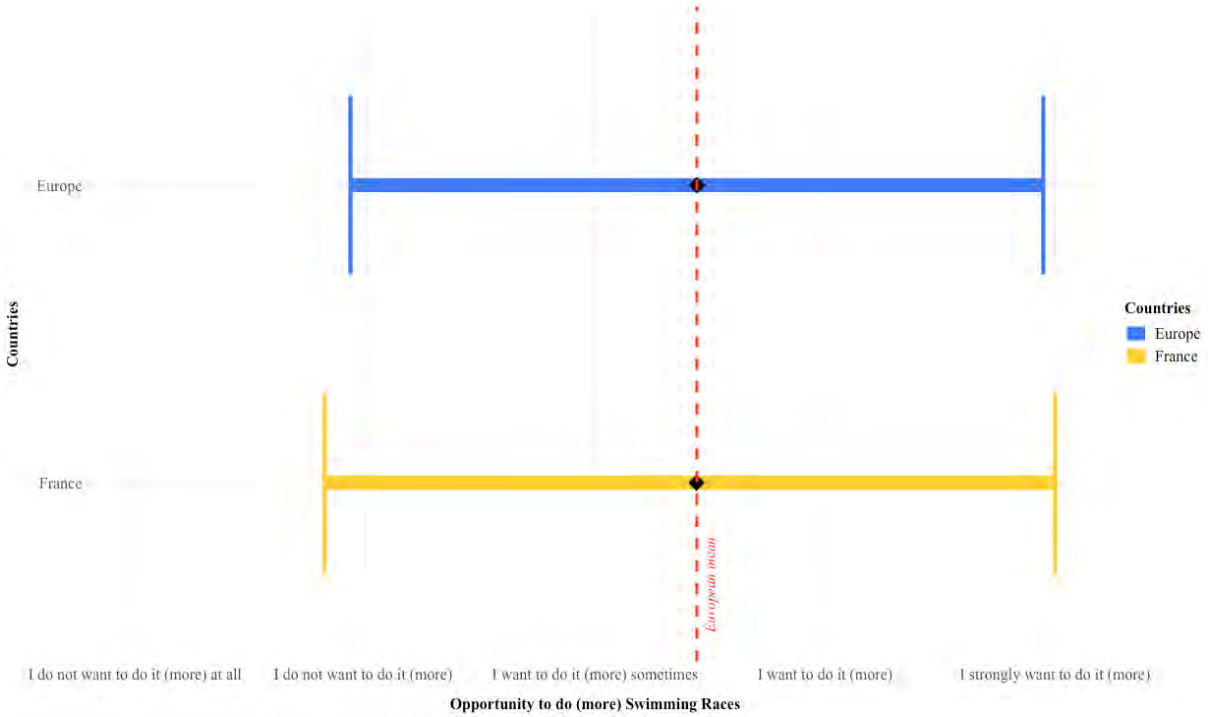


Figure 198. Distribution of the Opportunity to do (more) Swimming Races in Europe and in France (Mean±SD).

Table 341. Comparative Analysis of the Opportunity to do (more) Swimming Races in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	579	2,374	0.51	0.01 [a]	0.02 [1]

0.08Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

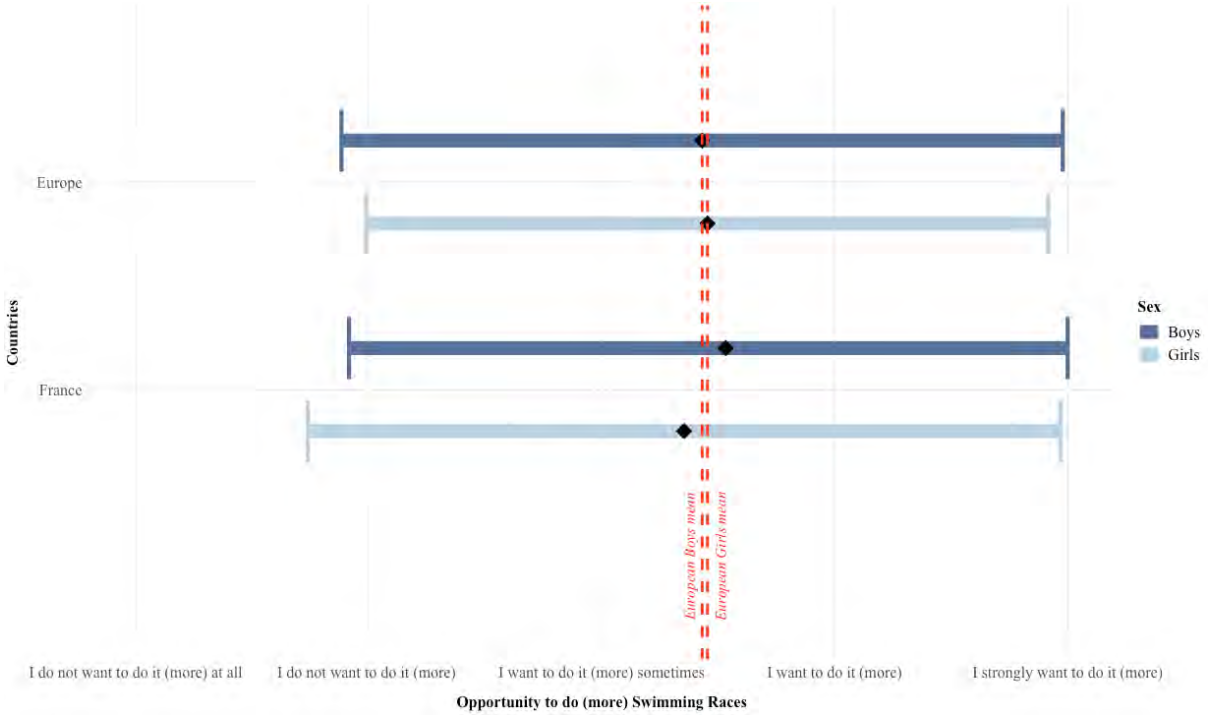


Figure 199. Distribution of the Opportunity to do (more) Swimming Races according to the Sex in Europe and in France (Mean±SD).

Table 342. Comparative Analysis of the Opportunity to do (more) Swimming Races in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	Boys	282	1,193	0.17	0.03 [a]	0.18 [1]
	Girls	297	1,181	0.64	0.01 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 343. Comparative Analysis of the Opportunity to do (more) Swimming Races in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
France	Boys *vs* Girls	282	297	0.16	0.05 [a]	0.27 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

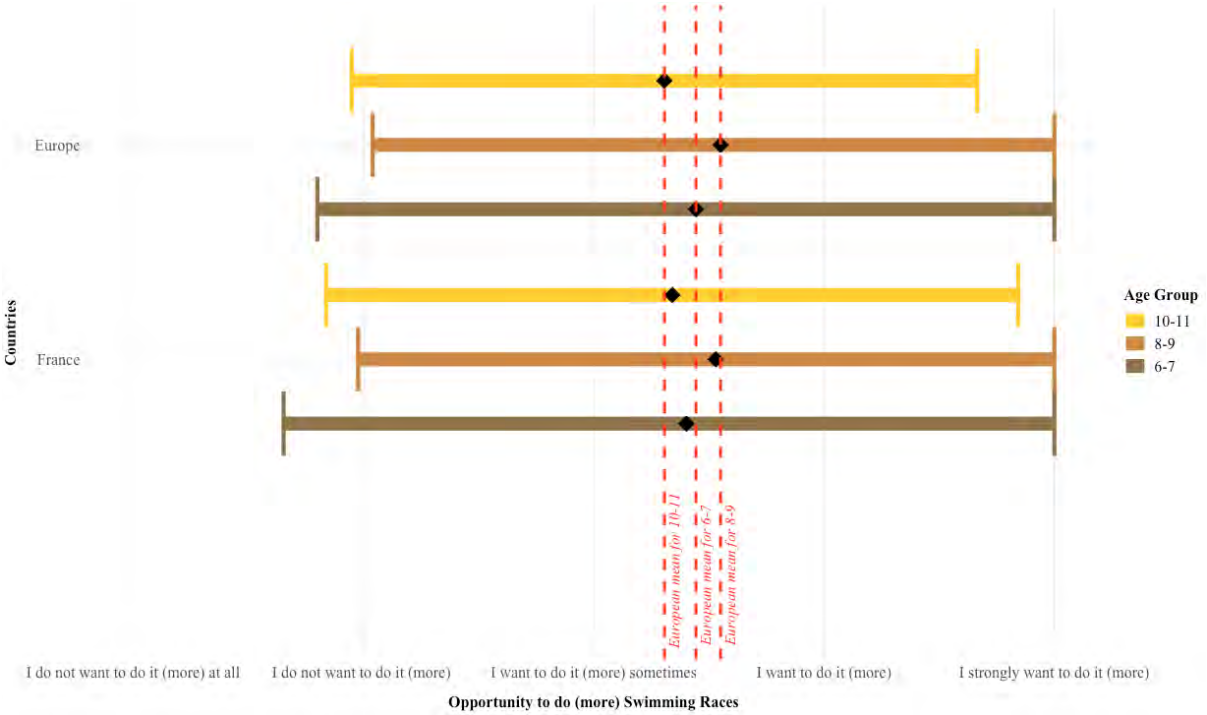


Figure 200. Distribution of the Opportunity to do (more) Swimming Races according to the Age Group in Europe and in France (Mean±SD).

Table 344. Comparative Analysis of the Opportunity to do (more) Swimming Races in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	214	665	0.9	0.004 [a]	0.05 [1]
	8-9 yo	236	946	0.96	0.001 [a]	0.05 [1]
	10-11 yo	129	763	0.63	0.02 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 345. Comparative Analysis of the Opportunity to do (more) Swimming Races in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	214	236		0.75	0.01 [a]	0.06 [1]
	8-9 yo *vs* 10-11 yo		236	129	0.21	0.06 [a]	0.21 [1]
	6-7 yo *vs* 10-11 yo	214		129	0.5	0.03 [a]	0.09 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

2. Water Polo

Overview

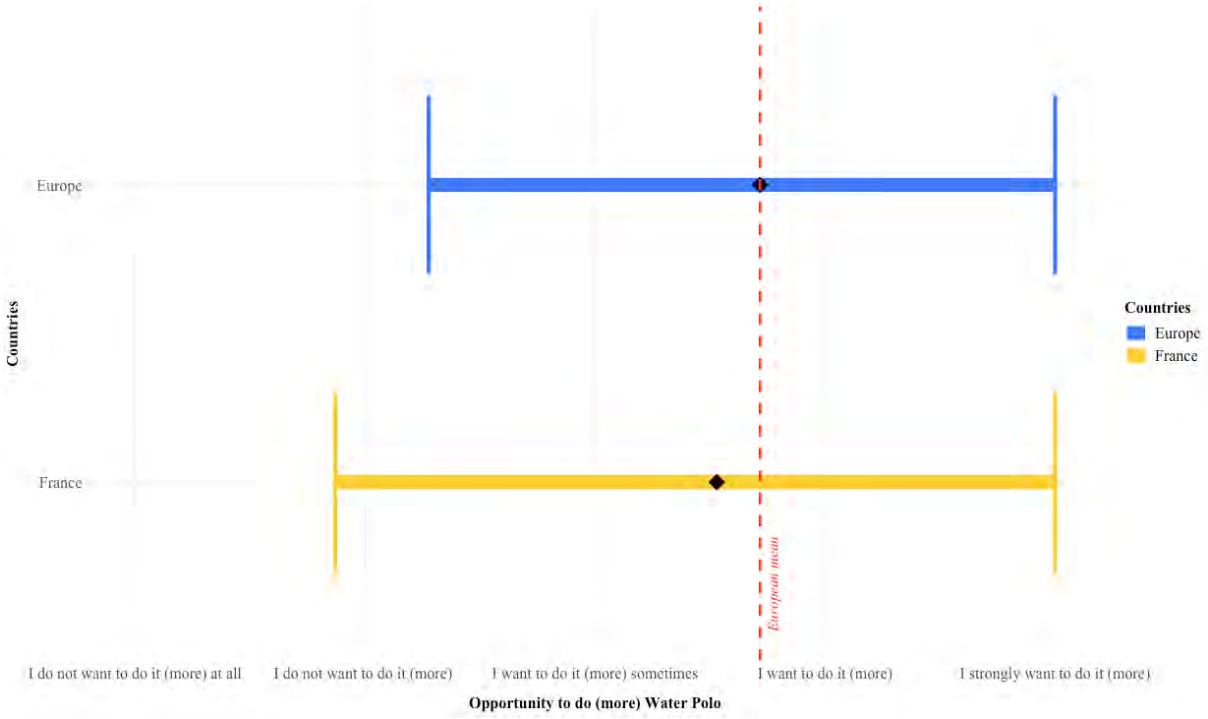


Figure 201. Distribution of the Opportunity to do (more) Water Polo in Europe and in France (Mean±SD).

Table 346. Comparative Analysis of the Opportunity to do (more) Water Polo in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	575	2,366	0.2	0.04 [a]	0.16 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

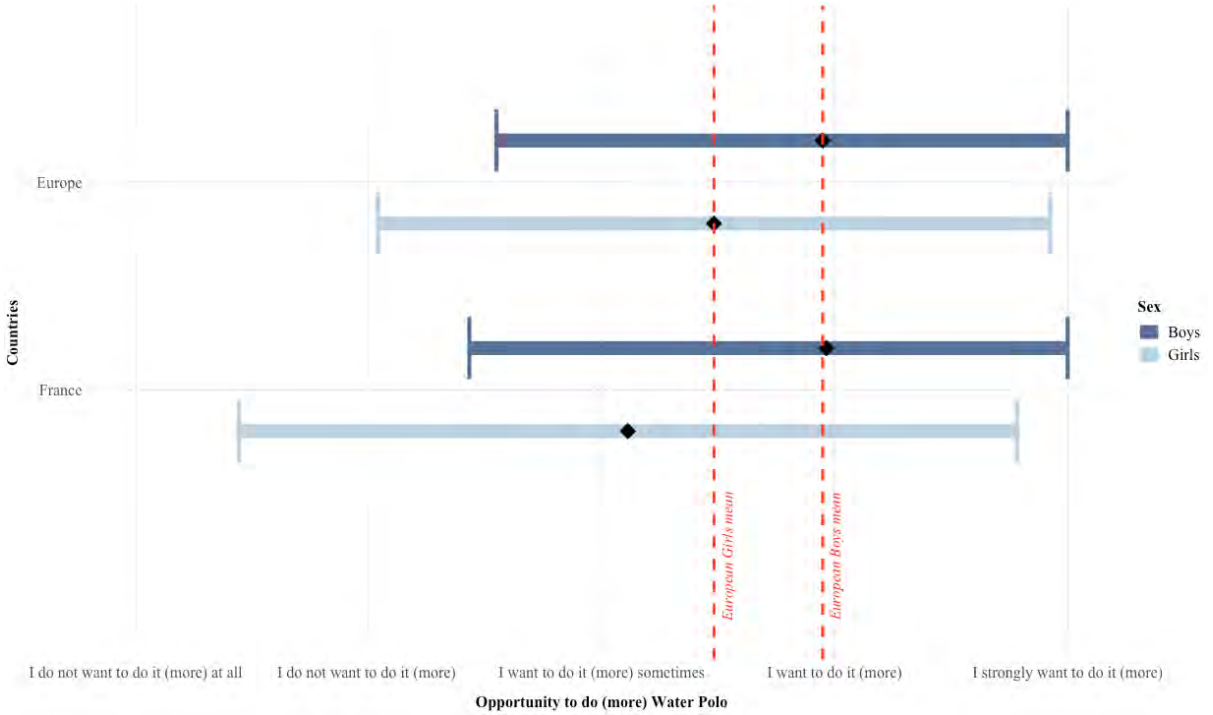


Figure 202. Distribution of the Opportunity to do (more) Water Polo according to the Sex in Europe and in France (Mean±SD).

Table 347. Comparative Analysis of the Opportunity to do (more) Water Polo in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	Boys	281	1,198	0.17	0.03 [a]	0.16 [1]
	Girls	294	1,177	0.002 **	0.08 [a]	0.67 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 348. Comparative Analysis of the Opportunity to do (more) Water Polo in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
France	Boys *vs* Girls	281	294	2.91^{e-11} ***	0.26 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

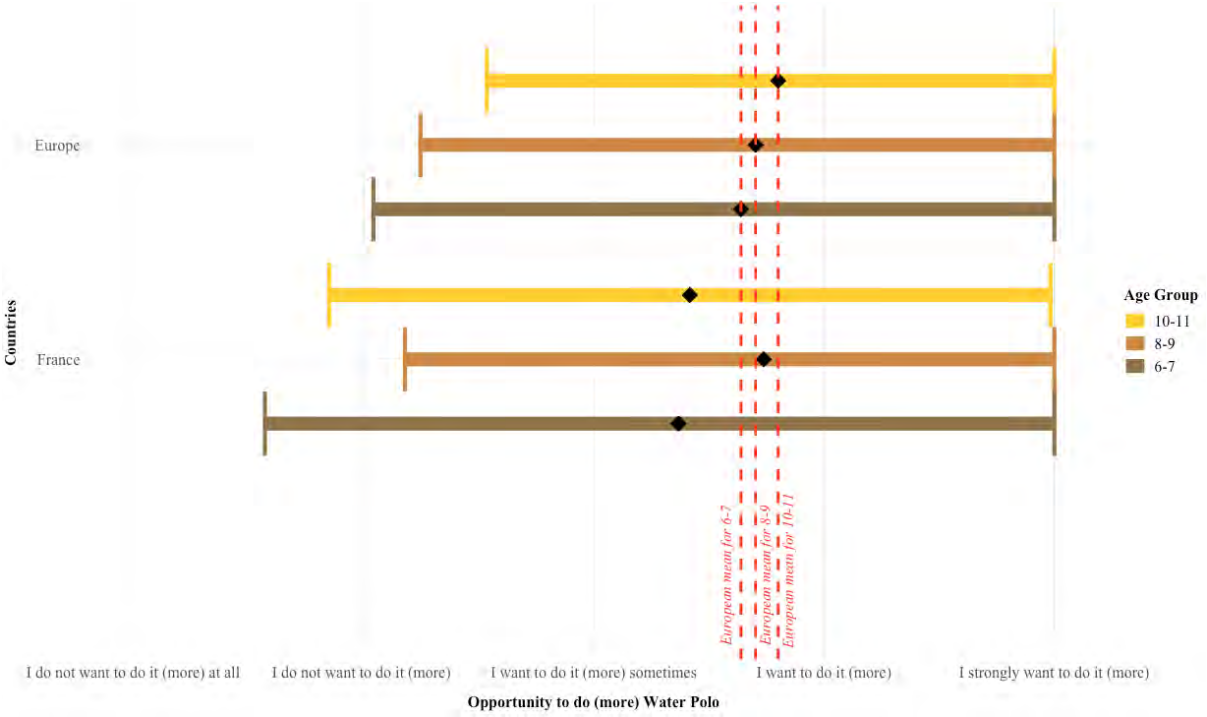


Figure 203. Distribution of the Opportunity to do (more) Water Polo according to the Age Group in Europe and in France (Mean±SD).

Table 349. Comparative Analysis of the Opportunity to do (more) Water Polo in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	215	665	0.1	0.05 [a]	0.26 [1]
	8-9 yo	233	938	0.32	0.03 [a]	0.11 [1]
	10-11 yo	127	763	0.03 *	0.07 [a]	0.29 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 350. Comparative Analysis of the Opportunity to do (more) Water Polo in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	215	233		0.06	0.08 [a]	0.42 [1]
	8-9 yo *vs* 10-11 yo		233	127	0.03 *	0.11 [a]	0.48 [1]
	6-7 yo *vs* 10-11 yo	215		127	0.85	0.009 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

3. Artistic Swimming

Overview

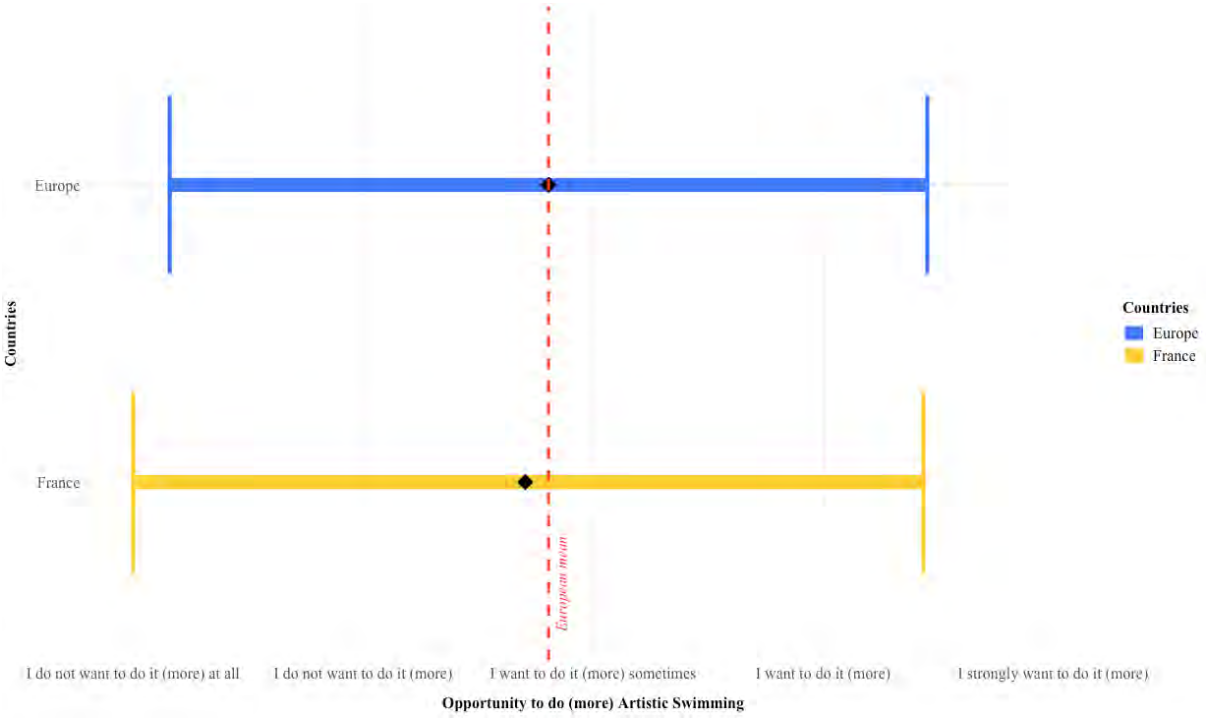


Figure 204. Distribution of the Opportunity to do (more) Artistic Swimming in Europe and in France (Mean±SD).

Table 351. Comparative Analysis of the Opportunity to do (more) Artistic Swimming at School in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	569	2,354	0.17	0.04 [a]	0.18 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

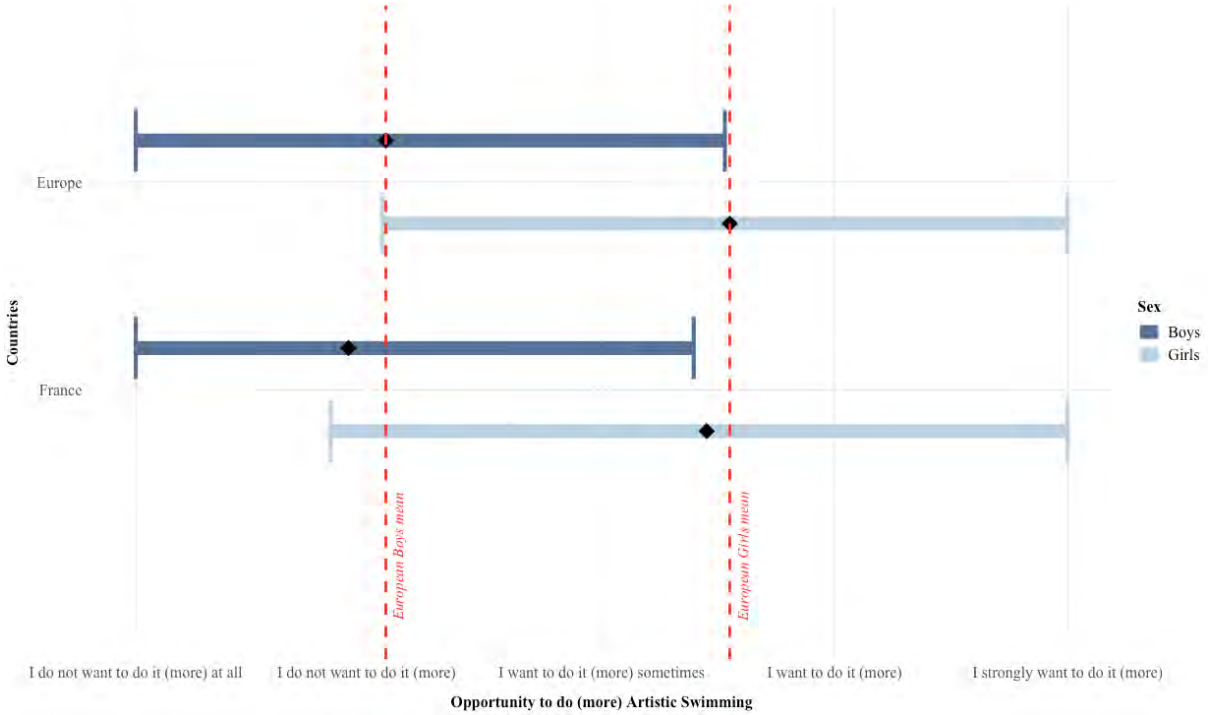


Figure 205. Distribution of the Opportunity to do (more) Artistic Swimming according to the Sex in Europe and in France (Mean±SD).

Table 352. Comparative Analysis of the Opportunity to do (more) Artistic Swimming in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	Boys	276	1,186	0.02 *	0.06 [a]	0.39 [1]
	Girls	293	1,168	0.67	0.01 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 353. Comparative Analysis of the Opportunity to do (more) Artistic Swimming in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
France	Boys *vs* Girls	276	293	4.08^{e-27} ***	0.43 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

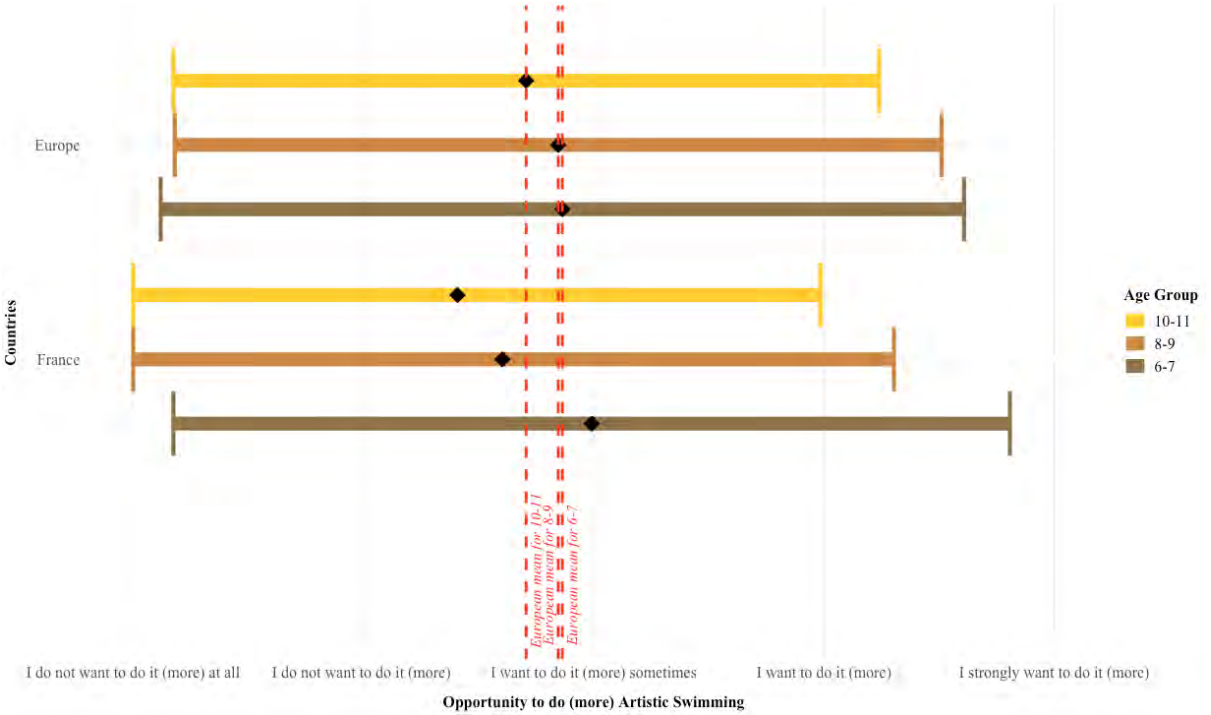


Figure 206. Distribution of the Opportunity to do (more) Artistic Swimming according to the Age Group in Europe and in France (Mean±SD).

Table 354. Comparative Analysis of the Opportunity to do (more) Artistic Swimming in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	212	652	0.35	0.03 [a]	0.12 [1]
	8-9 yo	232	946	0.05 *	0.05 [a]	0.31 [1]
	10-11 yo	125	756	0.03 *	0.07 [a]	0.3 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 355. Comparative Analysis of the Opportunity to do (more) Artistic Swimming in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	212	232		0.02	0.1 [a]	0.58 [2]
	8-9 yo *vs* 10-11 yo		232	125	0.38	0.04 [a]	0.12 [1]
	6-7 yo *vs* 10-11 yo	212		125	0.004 **	0.14 [a]	0.73 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

4. Diving

Overview

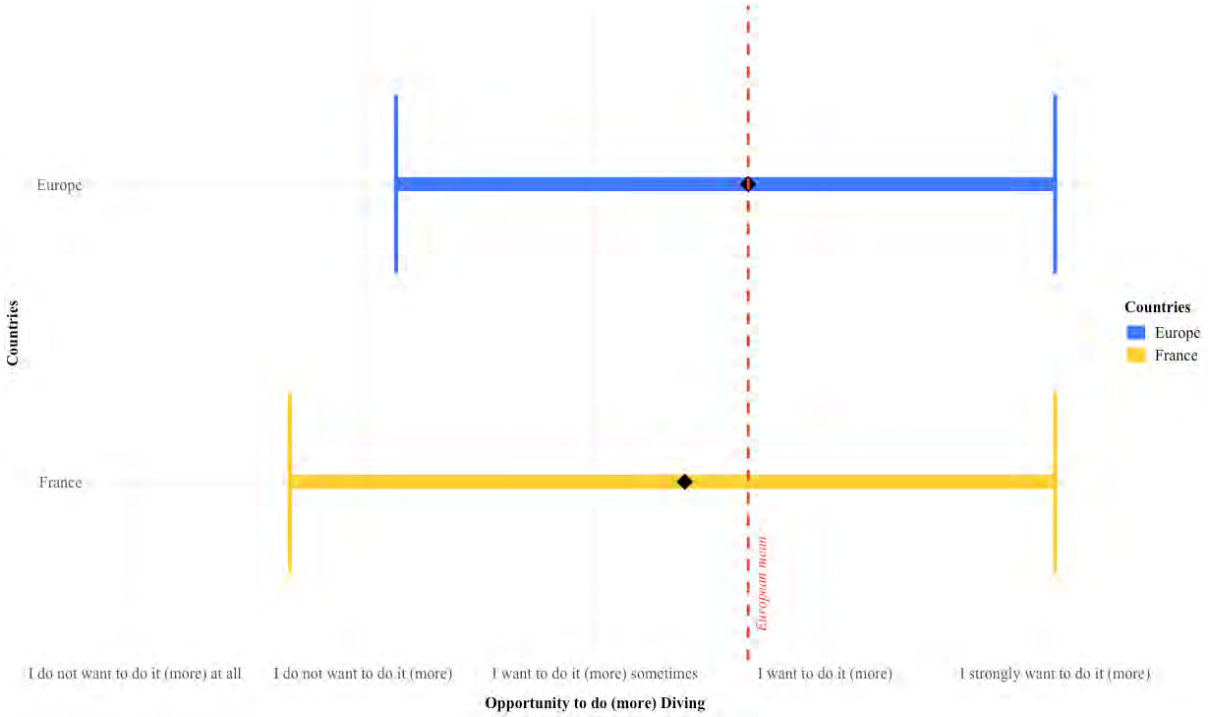


Figure 207. Distribution of the Opportunity to do (more) Diving in Europe and in France (Mean±SD).

Table 356. Comparative Analysis of the Opportunity to do (more) Diving at School in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	567	2,353	0.005 **	0.1 [a]	0.56 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

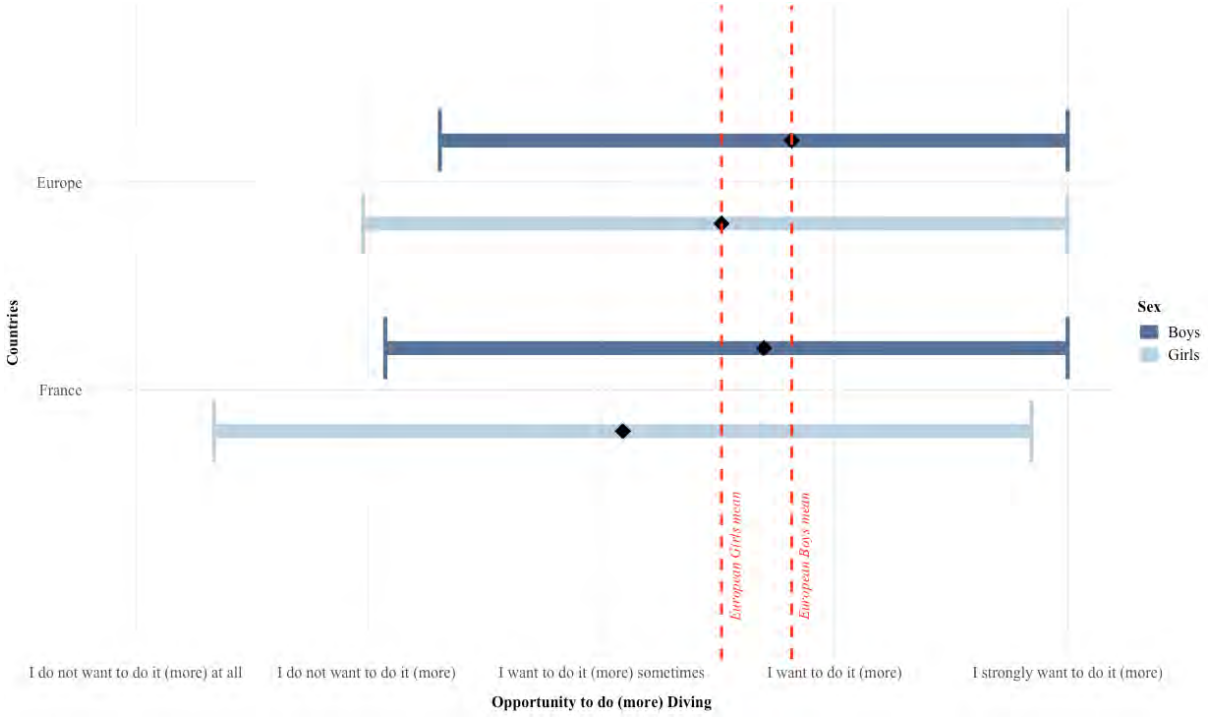


Figure 208. Distribution of the Opportunity to do (more) Diving according to the Sex in Europe and in France (Mean±SD).

Table 357. Comparative Analysis of the Opportunity to do (more) Diving in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	Boys	280	1,182	0.54	0.01 [a]	0.07 [1]
	Girls	287	1,171	5.68^{e-04} ***	0.09 [a]	0.75 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 358. Comparative Analysis of the Opportunity to do (more) Diving in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France	Boys *vs* Girls	280	287	2.62^{e-05} ***	0.17 [a]	0.98 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

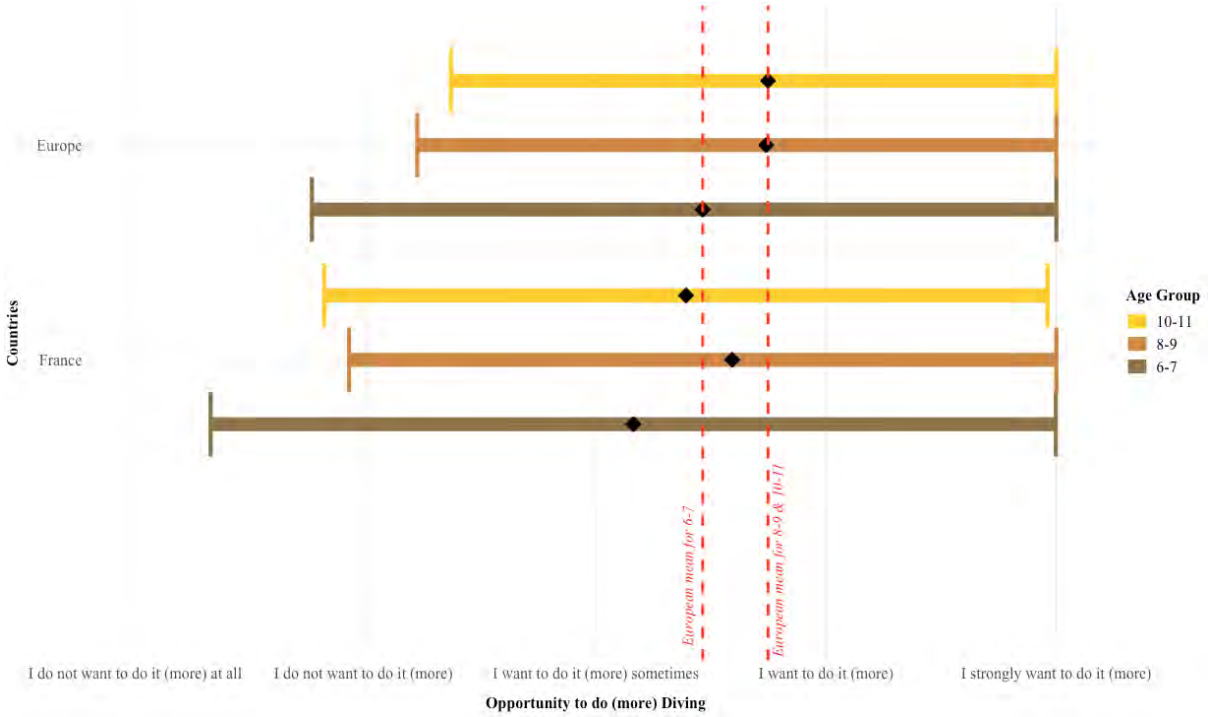


Figure 209. Distribution of the Opportunity to do (more) Diving according to the Age Group in Europe and in France (Mean±SD).

Table 359. Comparative Analysis of the Opportunity to do (more) Diving in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	209	657	0.05 **	0.06 [a]	0.34 [1]
	8-9 yo	233	942	0.42	0.02 [a]	0.09 [1]
	10-11 yo	125	754	0.03 *	0.07 [a]	0.3 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 360. Comparative Analysis of the Opportunity to do (more) Diving in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	209	233		0.02 *	0.1 [a]	0.56 [2]
	8-9 yo *vs* 10-11 yo		233	125	0.16	0.07 [a]	0.25 [1]
	6-7 yo *vs* 10-11 yo	209		125	0.39	0.04 [a]	0.12 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

5. Water sport 1

Overview

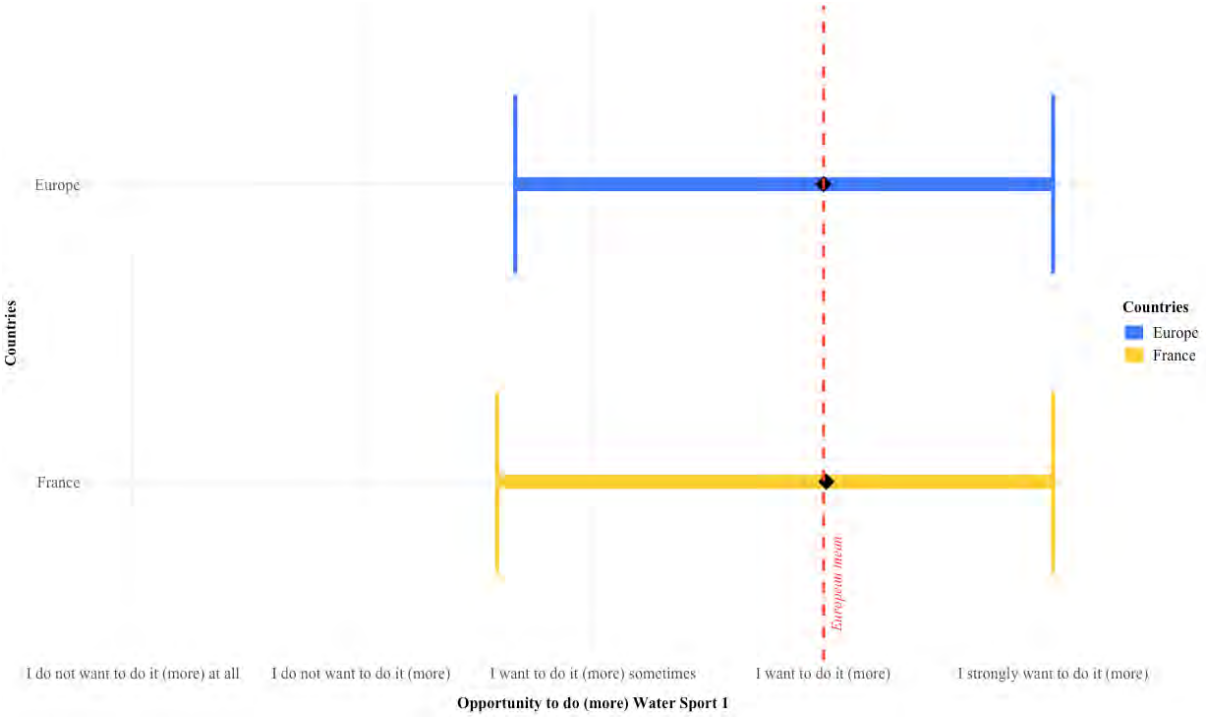


Figure 210. Distribution of the Opportunity to do (more) Water Sport 1in Europe and in France (Mean±SD).

Table 361. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	571	2,351	0.13	0.05 [a]	0.19 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

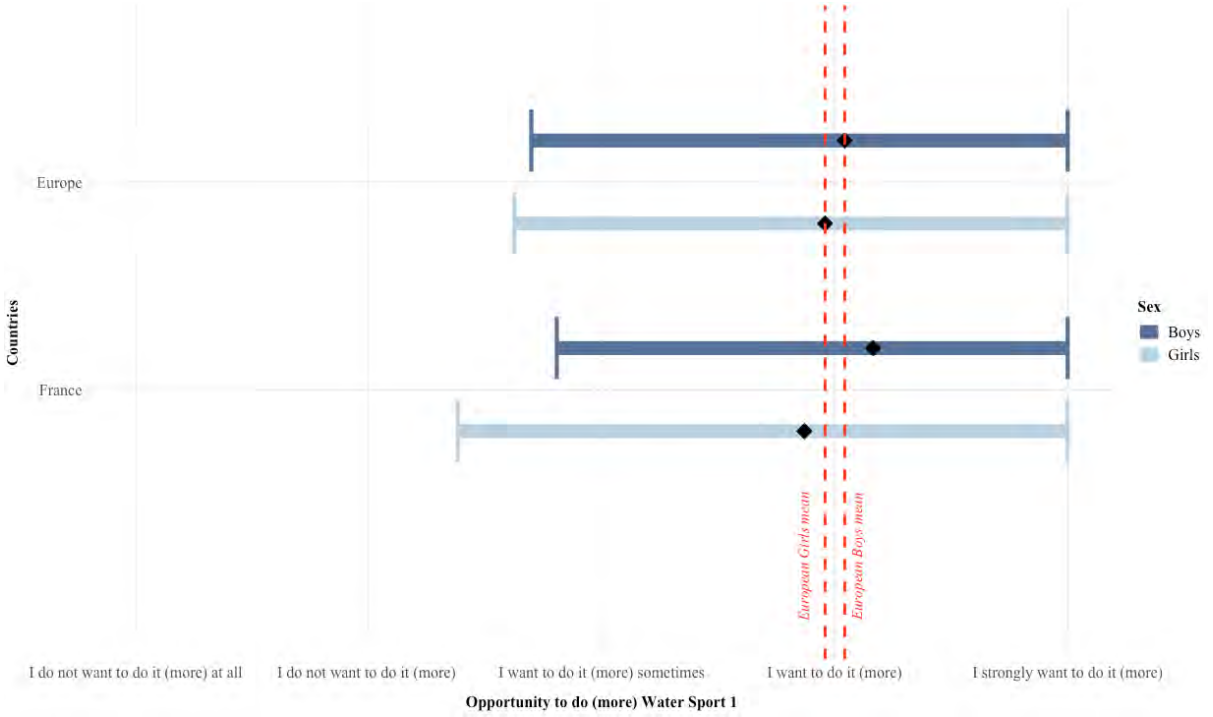


Figure 211. Distribution of the Opportunity to do (more) Water Sport 1according to the Sex in Europe and in France (Mean±SD).

Table 362. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	Boys	279	1,187	0.03 *	0.05 [a]	0.33 [1]
	Girls	292	1,164	0.97	8^{e-04} [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 363. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France	Boys *vs* Girls	279	292	0.01 **	0.1 [a]	0.63 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

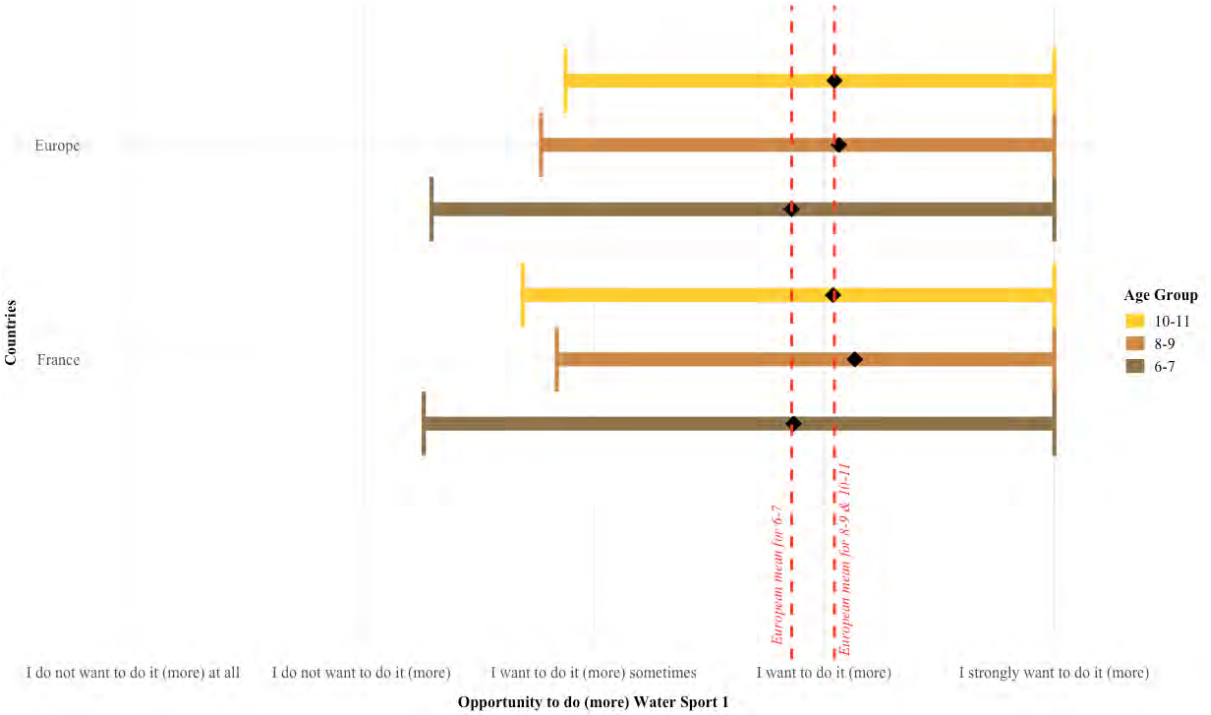


Figure 212. Distribution of the Opportunity to do (more) Water Sport 1according to the Age Group in Europe and in France (Mean±SD).

Table 364. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	212	654	0.51	0.02 [a]	0.08 [1]
	8-9 yo	232	944	0.3	0.03 [a]	0.12 [1]
	10-11 yo	127	753	0.36	0.03 [a]	0.09 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 365. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	212	232		0.43	0.03 [a]	0.1 [1]
	8-9 yo *vs* 10-11 yo		232	127	0.46	0.03 [a]	0.1 [1]
	6-7 yo *vs* 10-11 yo	212		127	0.98	0.001 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

6. Water sport 2

Overview

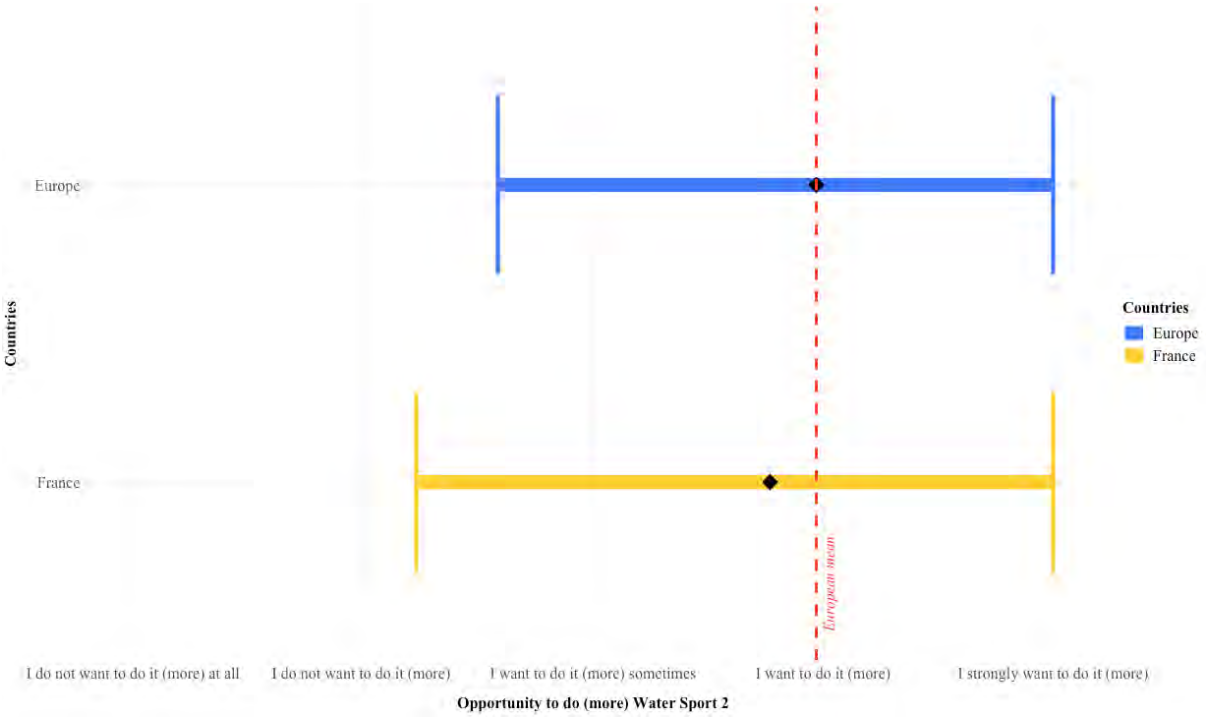


Figure 213. Distribution of the Opportunity to do (more) Water Sport 2 in Europe and in France (Mean±SD).

Table 366. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	572	2,348	0.03 *	0.07 [a]	0.36 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

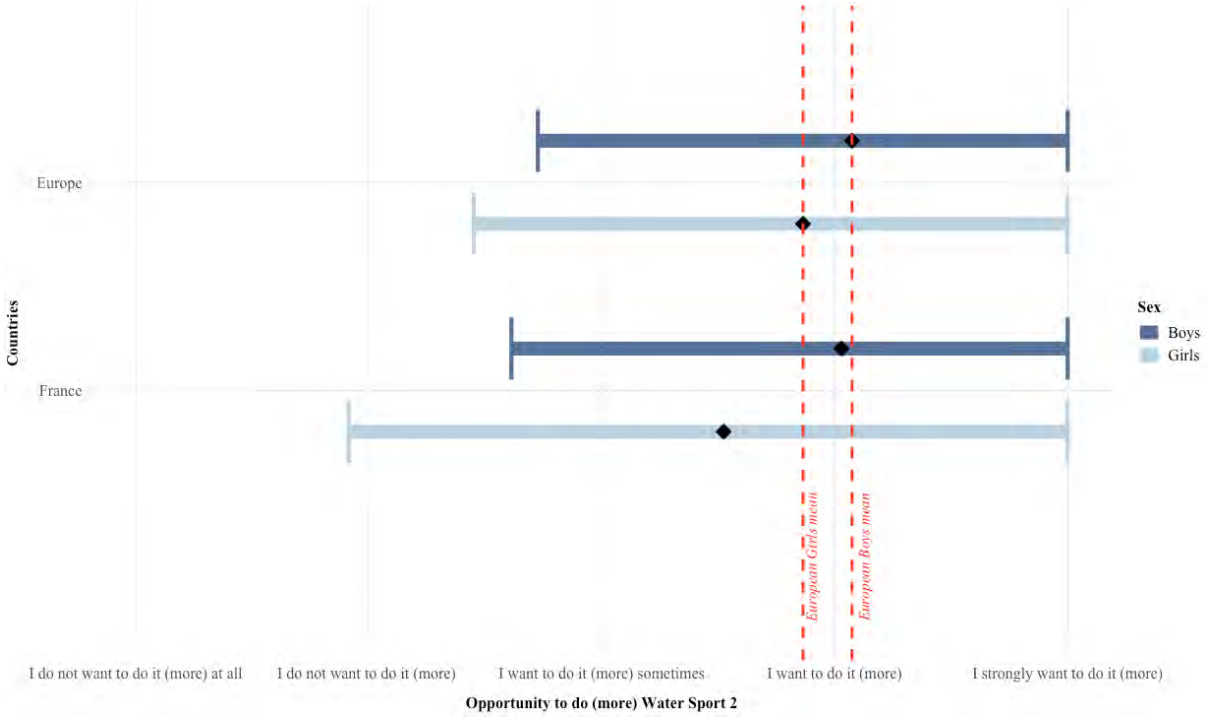


Figure 214. Distribution of the Opportunity to do (more) Water Sport 2 according to the Sex in Europe and in France (Mean±SD).

Table 367. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	Boys	278	1,183	0.9	0.001 [a]	0.05 [1]
	Girls	294	1,165	3.5^{e-03} **	0.07 [a]	0.59 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 368. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
France	Boys *vs* Girls	278	294	5.79^{e-05} ***	0.15 [a]	0.96 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

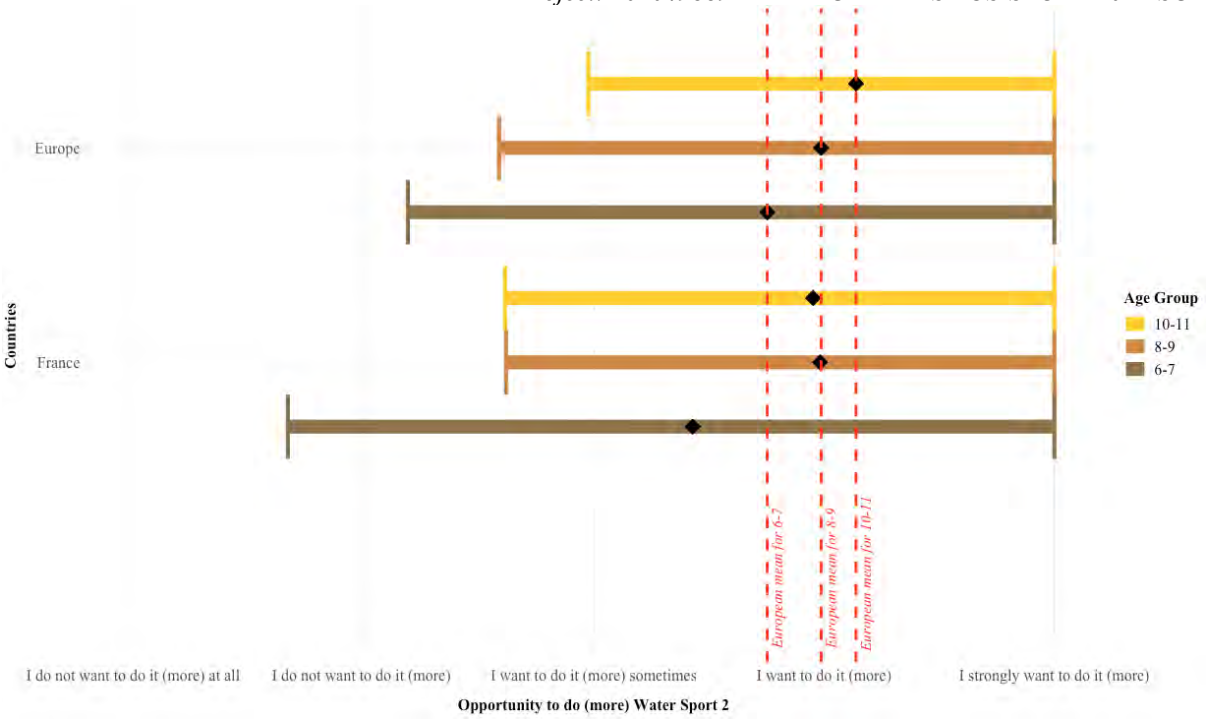


Figure 215. Distribution of the Opportunity to do (more) Water Sport 2 according to the Age Group in Europe and in France (Mean±SD).

Table 369. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	214	657	0.04	0.06 [a]	0.36 [1]
	8-9 yo	232	942	0.83	0.006 [a]	0.05 [1]
	10-11 yo	126	749	0.25	0.03 [a]	0.11 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 370. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	214	232		0.005 **	0.12 [a]	0.74 [2]
	8-9 yo *vs* 10-11 yo		232	126	0.63	0.02 [a]	0.07 [1]
	6-7 yo *vs* 10-11 yo	214		126	0.05 *	0.1 [a]	0.41 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

7. Water sport 3

Overview

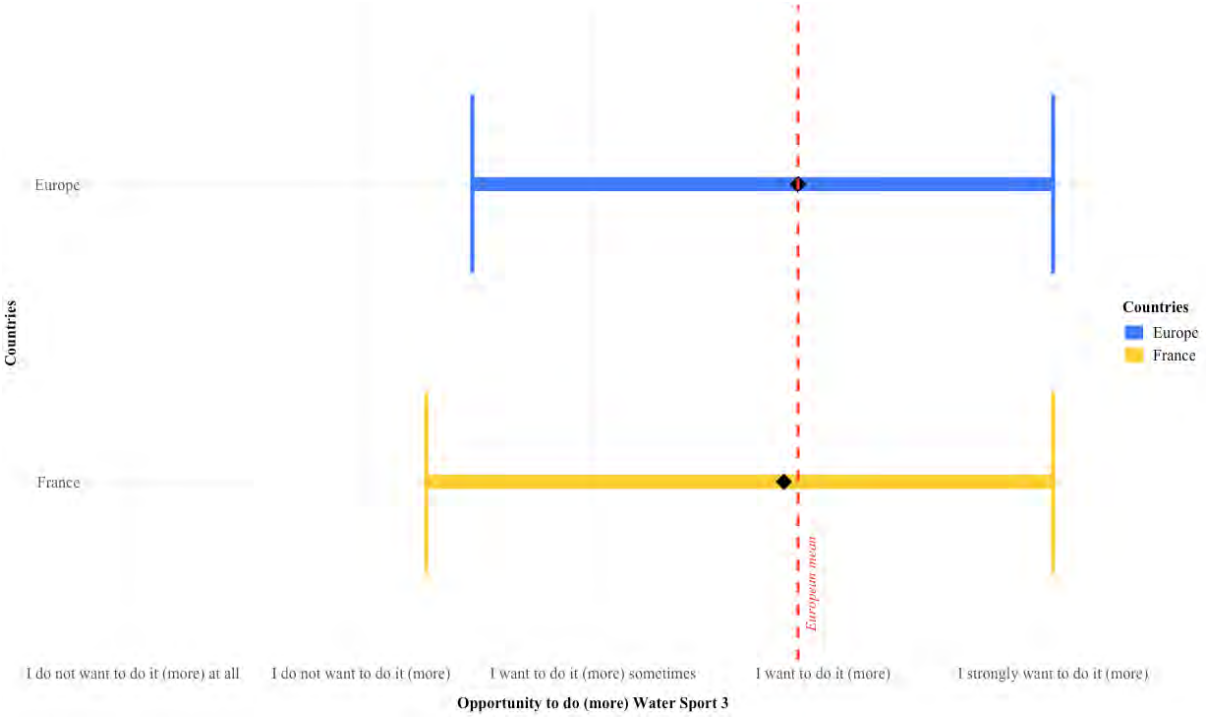


Figure 216. Distribution of the Opportunity to do (more) Water Sport 3 in Europe and in France (Mean±SD).

Table 371. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	562	2,354	0.81	0.008 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

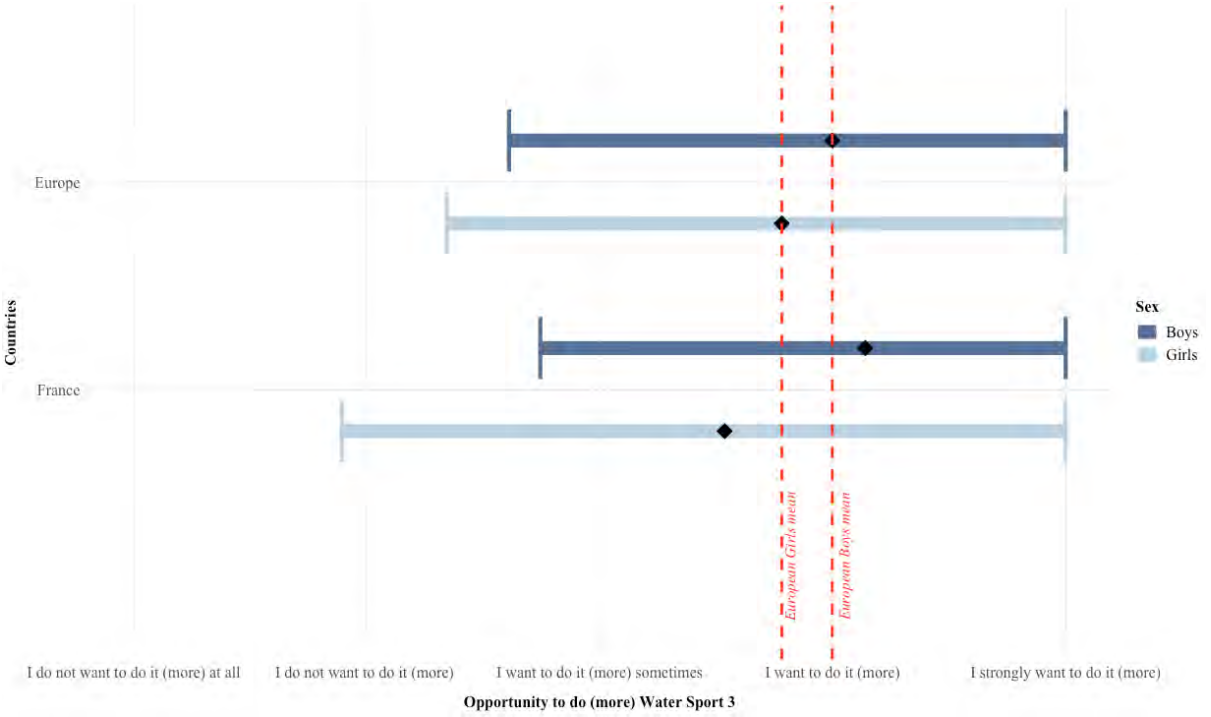


Figure 217. Distribution of the Opportunity to do (more) Water Sport 3 according to the Sex in Europe and in France (Mean±SD).

Table 372. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	Boys	273	1,183	0.03 *	0.05 [a]	0.33 [1]
	Girls	289	1,171	0.09	0.04 [a]	0.25 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 373. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
France	Boys *vs* Girls	273	289	3.36^{e-06} ***	0.18 [a]	0.99 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

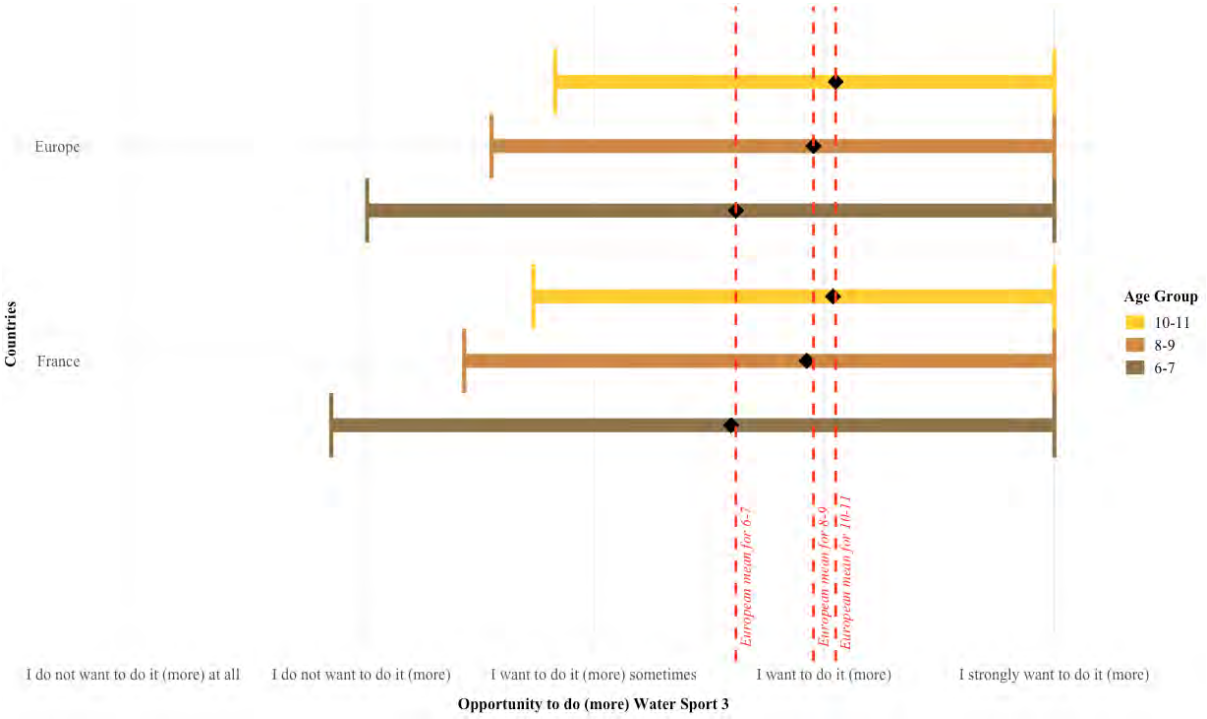


Figure 218. Distribution of the Opportunity to do (more) Water Sport 3 according to the Age Group in Europe and in France (Mean±SD).

Table 374. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	208	661	0.65	0.01 [a]	0.06 [1]
	8-9 yo	226	940	0.81	0.006 [a]	0.05 [1]
	10-11 yo	128	753	0.83	0.006 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 375. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	208	226		0.13	0.07 [a]	0.28 [1]
	8-9 yo *vs* 10-11 yo		226	128	0.98	0.001 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	208		128	0.19	0.07 [a]	0.22 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

8. Water sport 4

Overview

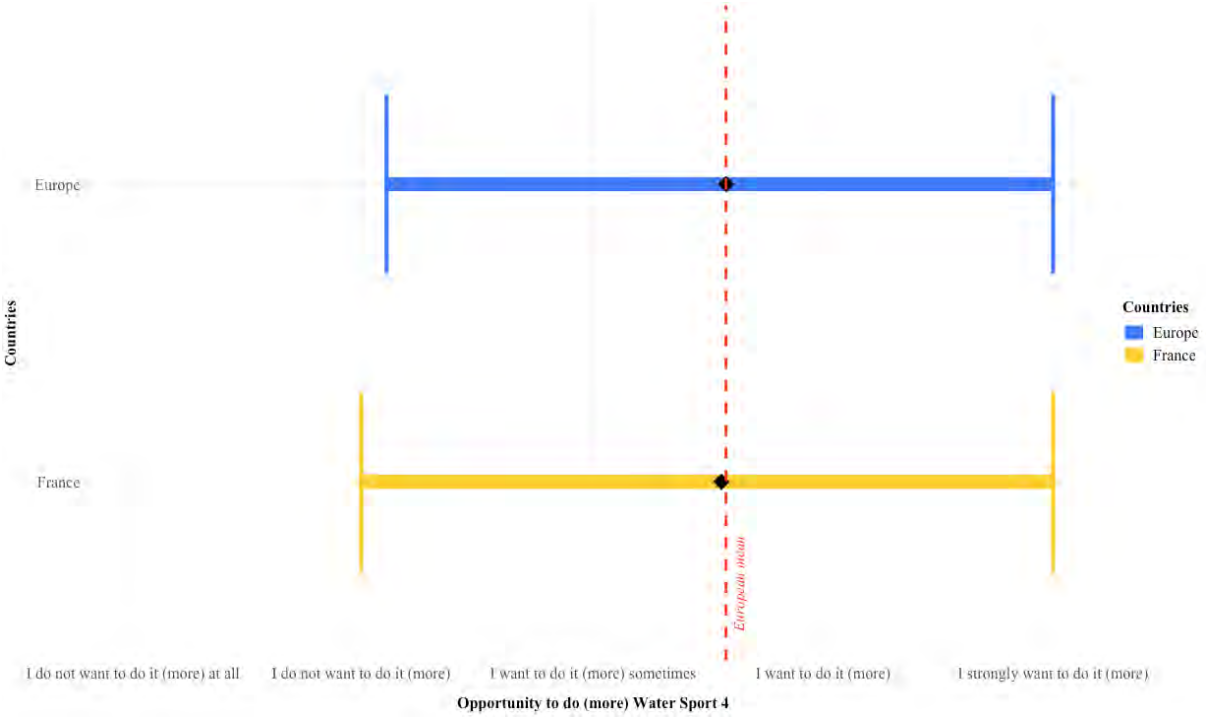


Figure 219. Distribution of the Opportunity to do (more) Water Sport 4 in Europe and in France (Mean±SD).

Table 376. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	569	2,357	0.71	0.01 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

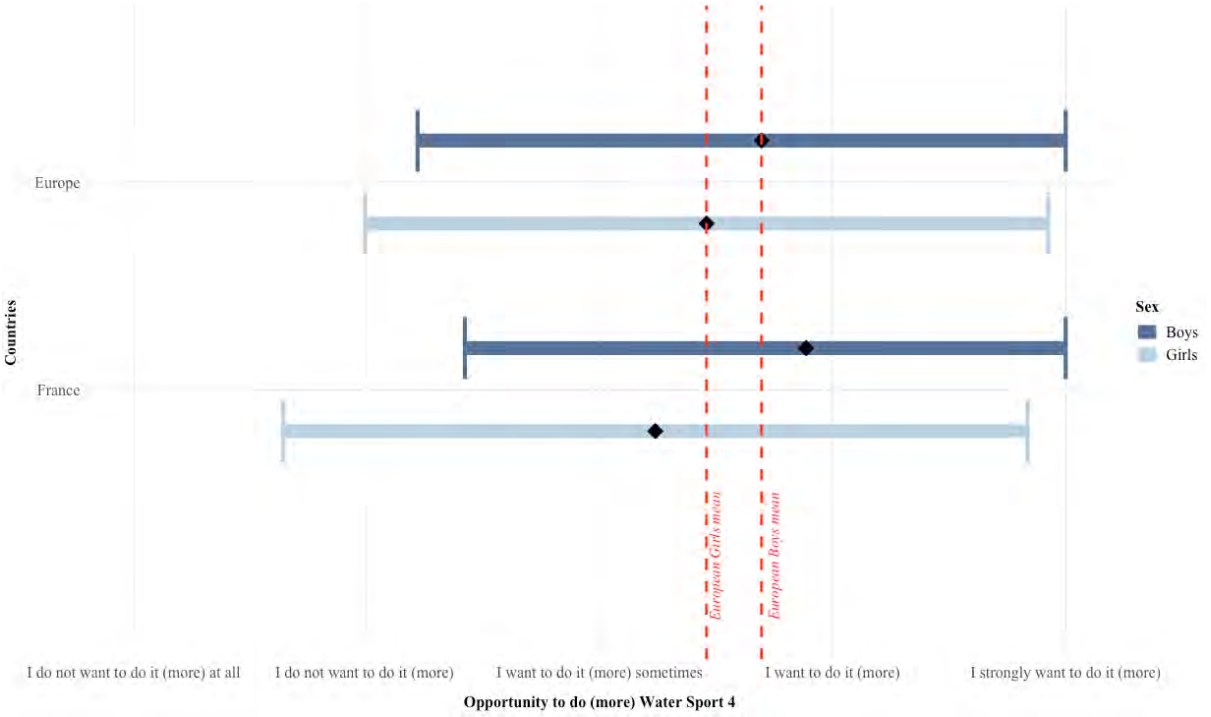


Figure 220. Distribution of the Opportunity to do (more) Water Sport 4 according to the Sex in Europe and in France (Mean±SD).

Table 377. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	Boys	280	1,186	0.02 *	0.06 [a]	0.42 [1]
	Girls	289	1,171	0.07	0.05 [a]	0.29 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 378. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
France	Boys *vs* Girls	280	289	4.24^{e-07} ***	0.2 [a]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

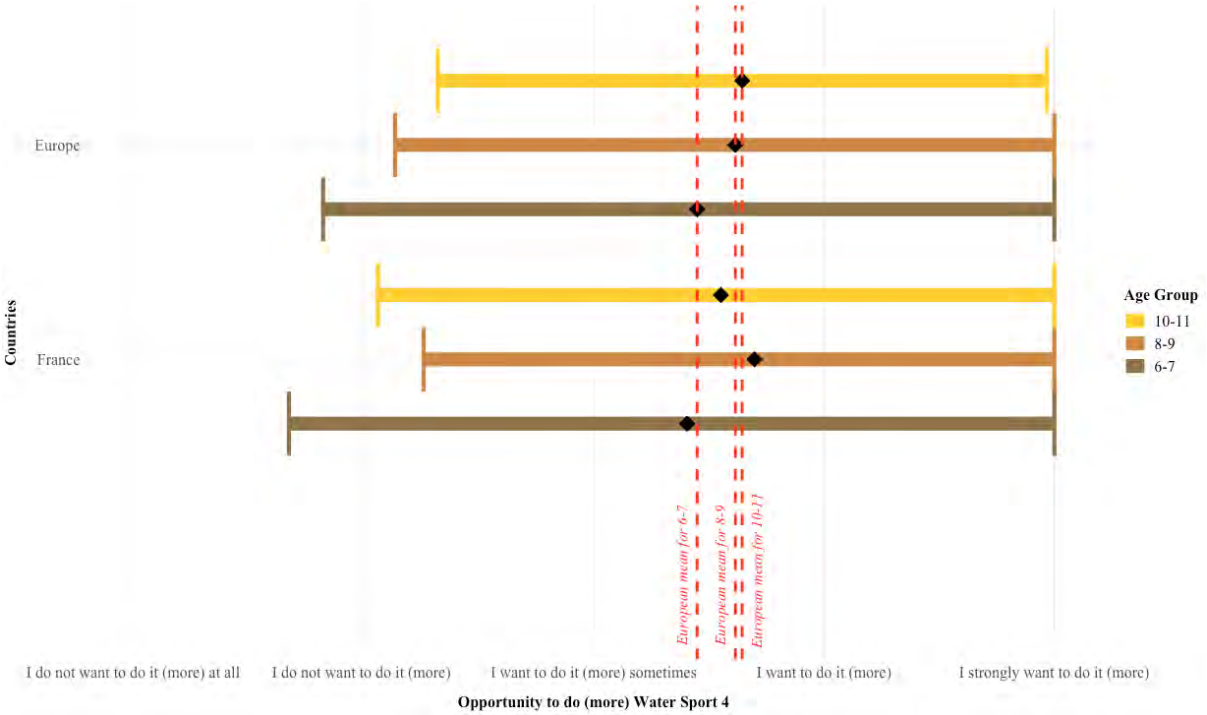


Figure 221. Distribution of the Opportunity to do (more) Water Sport 4 according to the Age Group in Europe and in France (Mean±SD).

Table 379. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	212	666	0.94	0.002 [a]	0.05 [1]
	8-9 yo	232	940	0.49	0.02 [a]	0.08 [1]
	10-11 yo	125	751	0.85	0.006 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 380. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	212	232		0.26	0.05 [a]	0.19 [1]
	8-9 yo *vs* 10-11 yo		232	125	0.42	0.04 [a]	0.11 [1]
	6-7 yo *vs* 10-11 yo	212		125	0.71	0.02 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

g. Risk perceptions

1. Low risks in the swimming pool

Overview

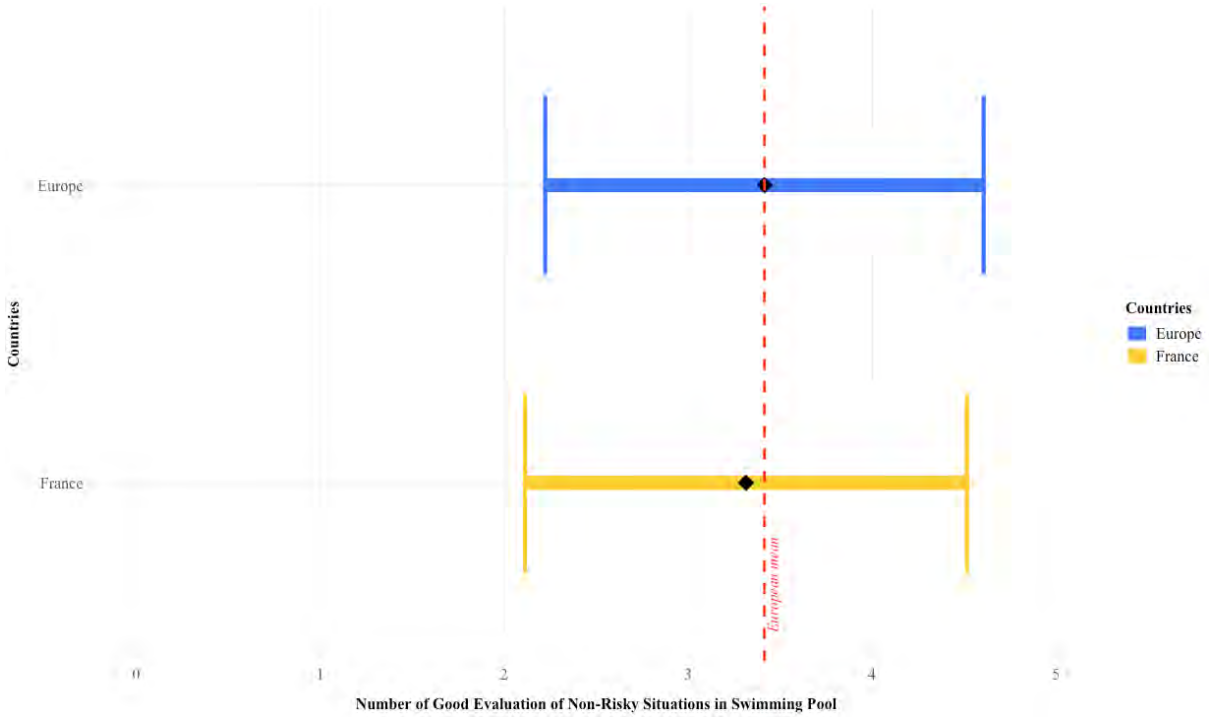


Figure 222. Distribution of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Europe and in France (Mean±SD).

Table 381. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	580	2,408	0.06	0.07 [a]	0.03 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

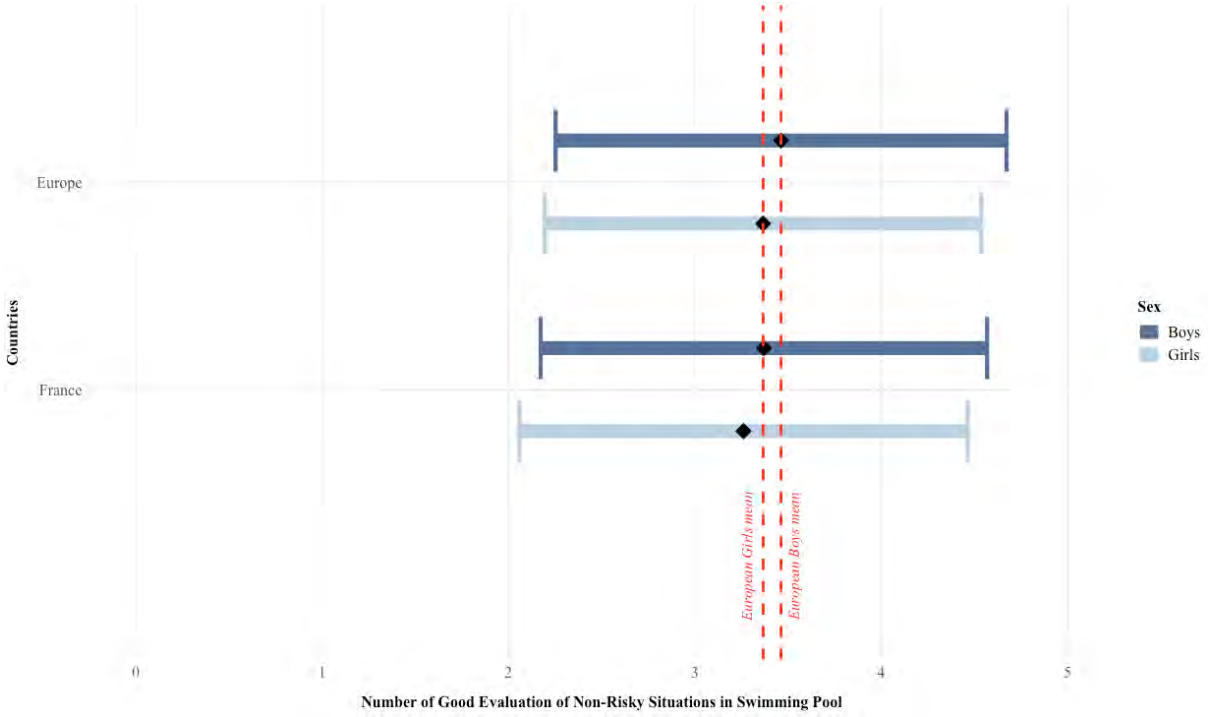


Figure 223. Distribution of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool according to the Sex in Europe and in France (Mean±SD).

Table 382. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	Boys	281	1,216	0.18	0.03 [a]	0.17 [1]
	Girls	299	1,192	0.2	0.03 [a]	0.17 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 383. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France	Boys *vs* Girls	281	299	0.27	0.04 [a]	0.19 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

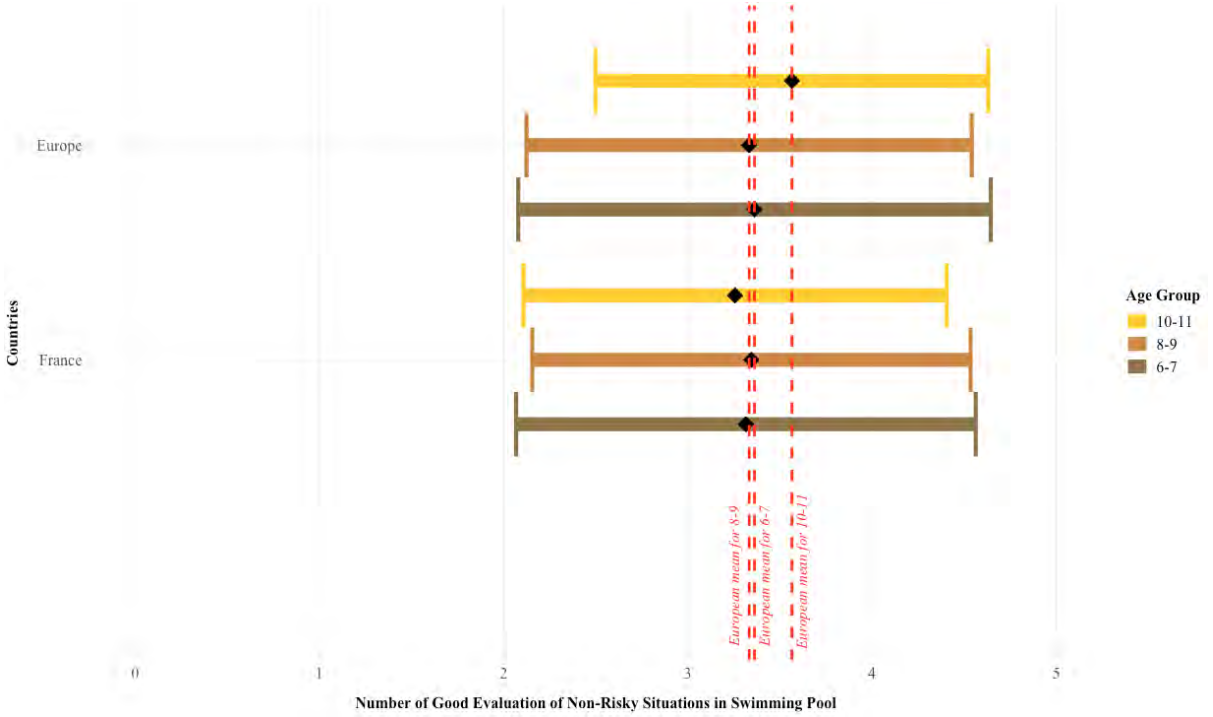


Figure 224. Distribution of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool according to the Age Group in Europe and in France (Mean±SD).

Table 384. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	216	683	0.46	0.02 [a]	0.09 [1]
	8-9 yo	235	962	0.82	0.006 [a]	0.05 [1]
	10-11 yo	129	763	0.004 **	0.09 [a]	0.49 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 385. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	216	235		0.73	0.02 [a]	0.06 [1]
	8-9 yo *vs* 10-11 yo		235	129	0.4	0.04 [a]	0.12 [1]
	6-7 yo *vs* 10-11 yo	216		129	0.7	0.02 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

2. High risks in the swimming pool

Overview

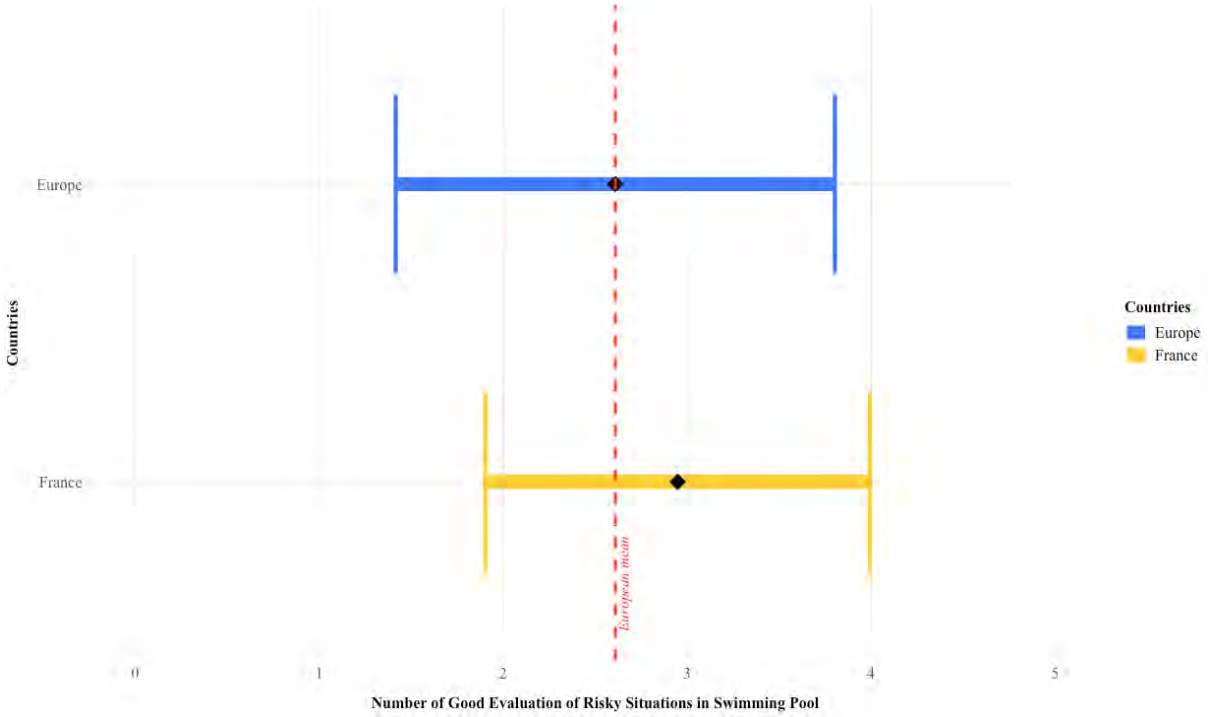


Figure 225. Distribution of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Europe and in France (Mean±SD).

Table 386. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	579	2,406	3.05^{e-10} ***	0.22 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

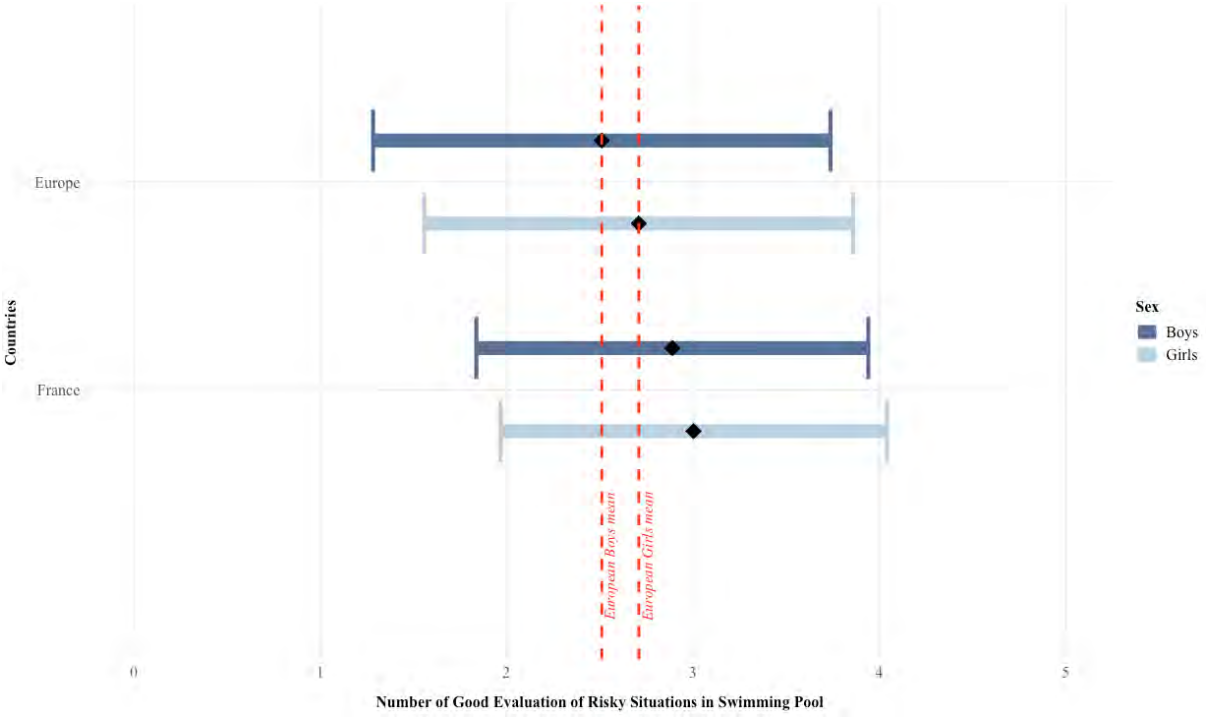


Figure 226. Distribution of the Number of Good Evaluation of Risky Situations in the Swimming Pool according to the Sex in Europe and in France (Mean±SD).

Table 387. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	Boys	281	1,215	1.43^{e-06} ***	0.12 [a]	0.96 [4]
	Girls	298	1,191	5.32^{e-05} ***	0.1 [a]	0.88 [3]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 388. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France	Boys *vs* Girls	281	298	0.3	0.05 [a]	0.23 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

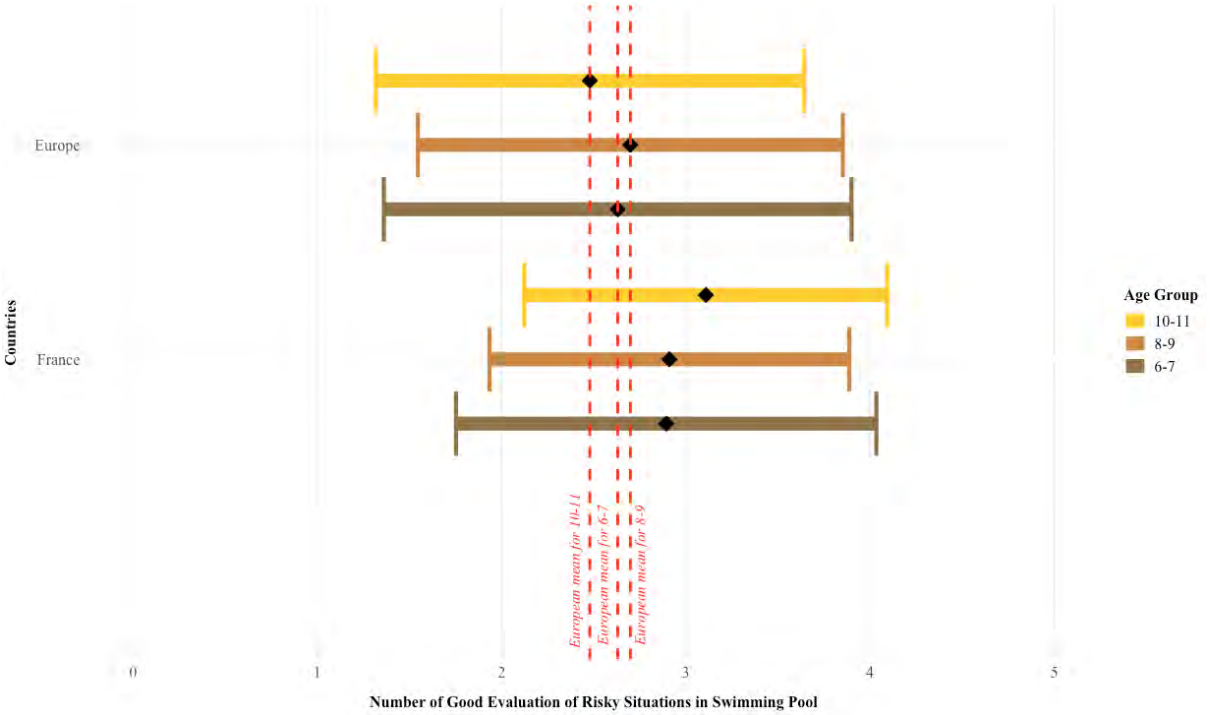


Figure 227. Distribution of the Number of Good Evaluation of Risky Situations in the Swimming Pool according to the Age Group in Europe and in France (Mean±SD).

Table 389. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	215	681	4.73^{e-03} **	0.09 [a]	0.65 [2]
	8-9 yo	235	962	0.02 *	0.06 [a]	0.41 [1]
	10-11 yo	129	763	1.39^{e-09} ***	0.19 [a]	0.99 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 390. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	215	235		0.69	0.02 [a]	0.07 [1]
	8-9 yo *vs* 10-11 yo		235	129	0.01 **	0.12 [a]	0.6 [2]
	6-7 yo *vs* 10-11 yo	215		129	0.08	0.09 [a]	0.36 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

3. Low risks in open water

Overview

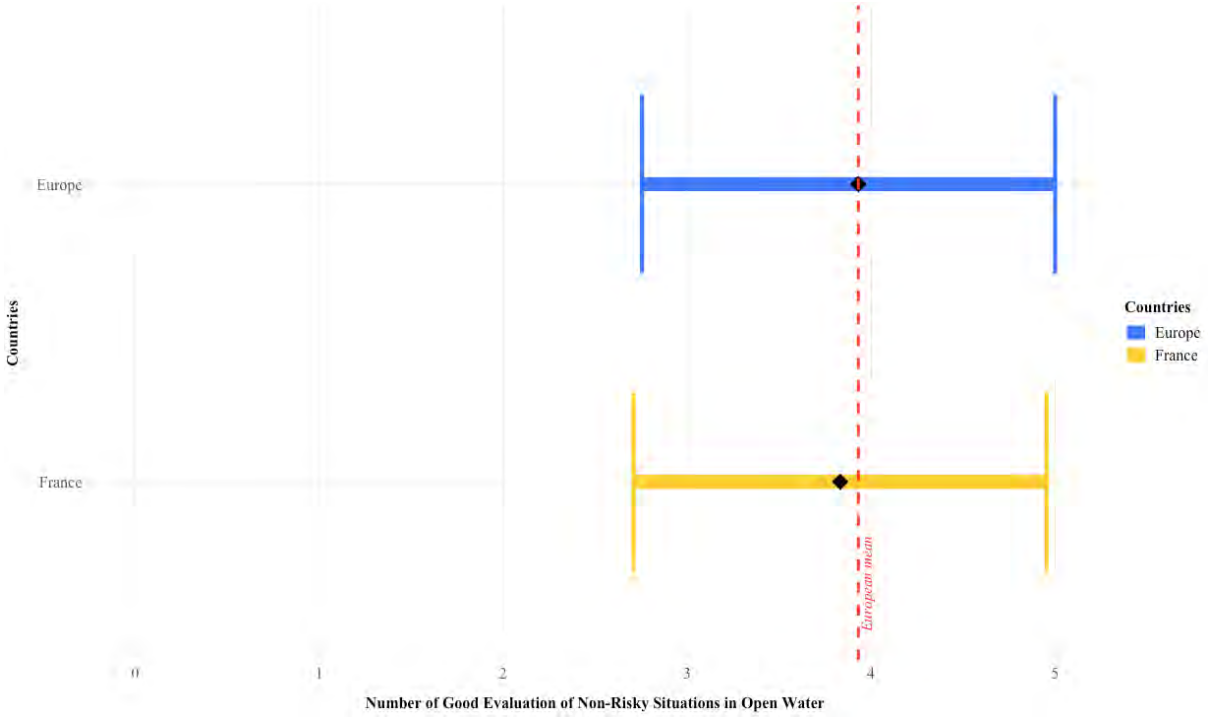


Figure 228. Distribution of the Number of Good Evaluation of Non-Risky Situations in Open Water in Europe and in France (Mean±SD).

Table 391. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	582	2,398	0.009 **	0.09 [a]	0.5 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

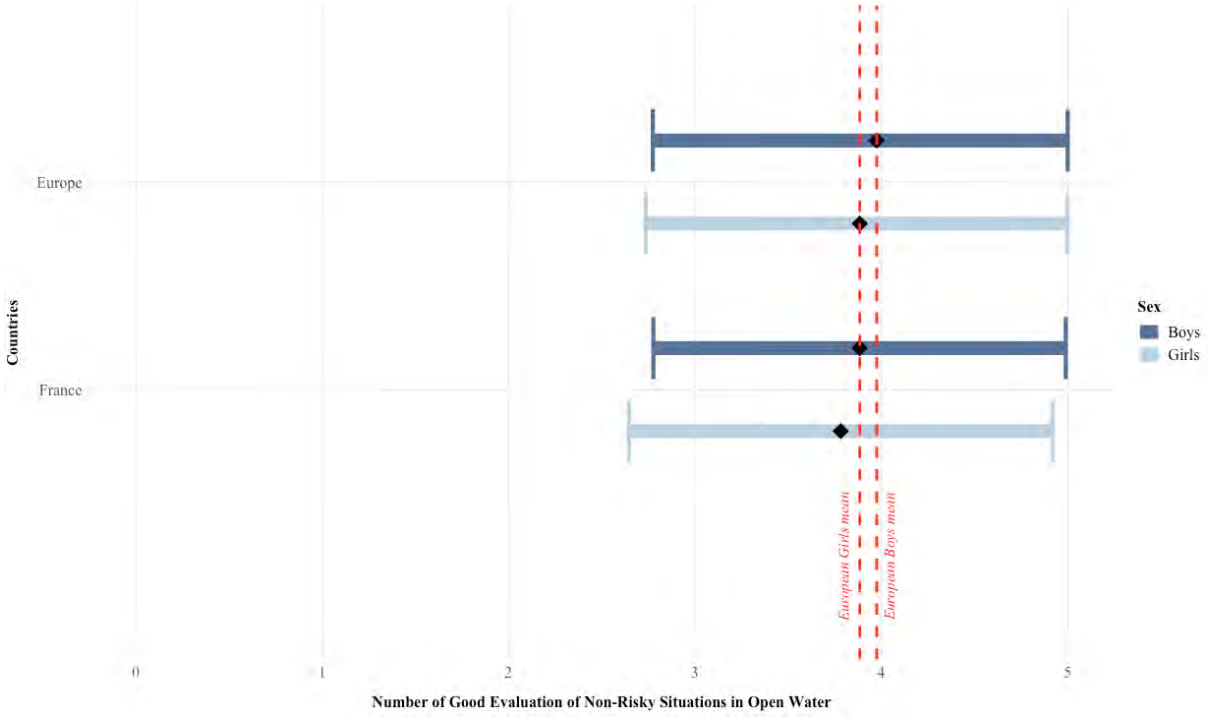


Figure 229. Distribution of the Number of Good Evaluation of Non-Risky Situations in Open Water according to the Sex in Europe and in France (Mean±SD).

Table 392. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	Boys	283	1,211	0.04 *	0.05 [a]	0.32 [1]
	Girls	299	1,187	0.1	0.04 [a]	0.24 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 393. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France	Boys *vs* Girls	283	299	0.29	0.04 [a]	0.17 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

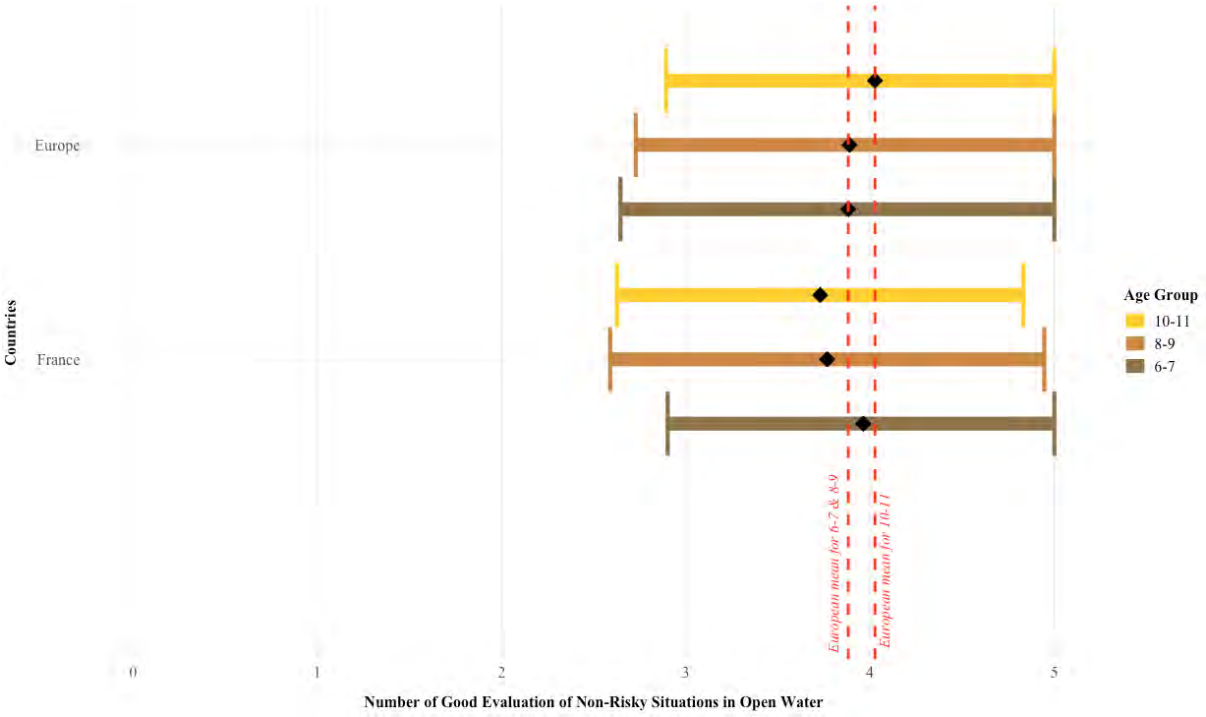


Figure 230. Distribution of the Number of Good Evaluation of Non-Risky Situations in Open Water according to the Age Group in Europe and in France (Mean±SD).

Table 394. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	217	677	0.84	0.006 [a]	0.05 [1]
	8-9 yo	236	961	0.12	0.04 [a]	0.22 [1]
	10-11 yo	129	760	6^{e-04} ***	0.11 [a]	0.63 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 395. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	217	236		0.1	0.07 [a]	0.35 [1]
	8-9 yo *vs* 10-11 yo		236	129	0.6	0.03 [a]	0.08 [1]
	6-7 yo *vs* 10-11 yo	217		129	0.05 *	0.1 [a]	0.45 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

4. High risks in open water

Overview

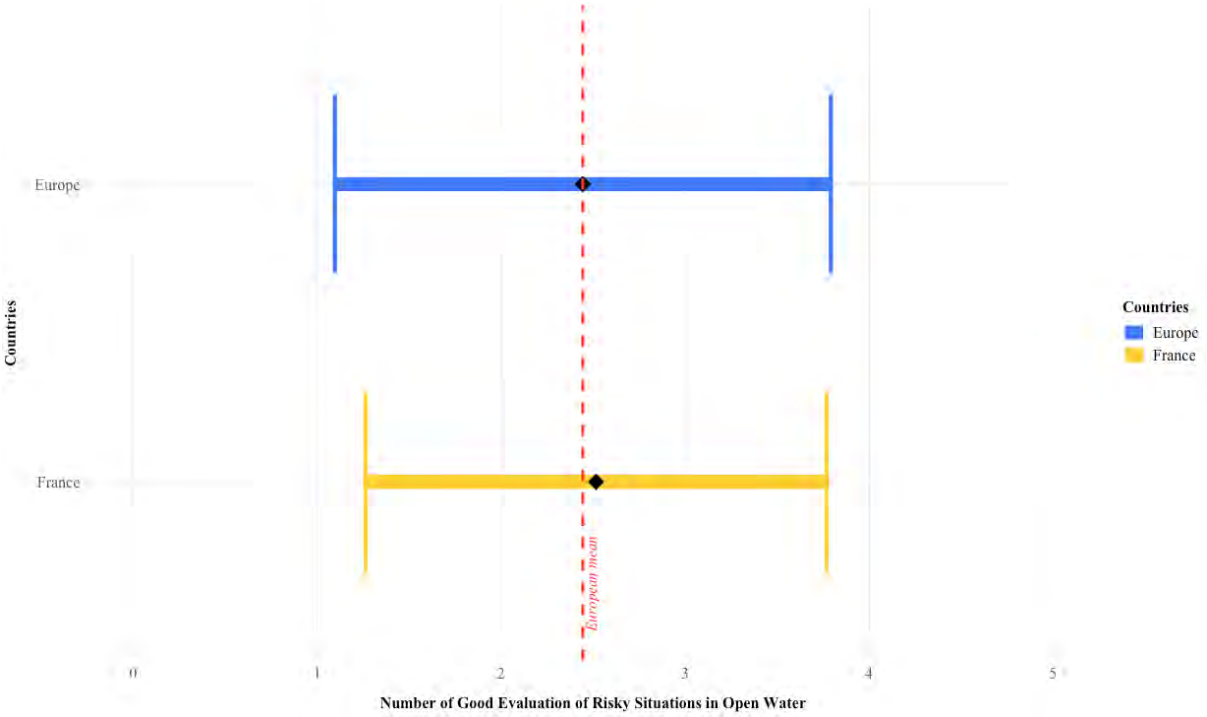


Figure 231. Distribution of the Number of Good Evaluation of Risky Situations in Open Water in Europe and in France (Mean±SD).

Table 396. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	582	2,397	0.34	0.03 [a]	0.11 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

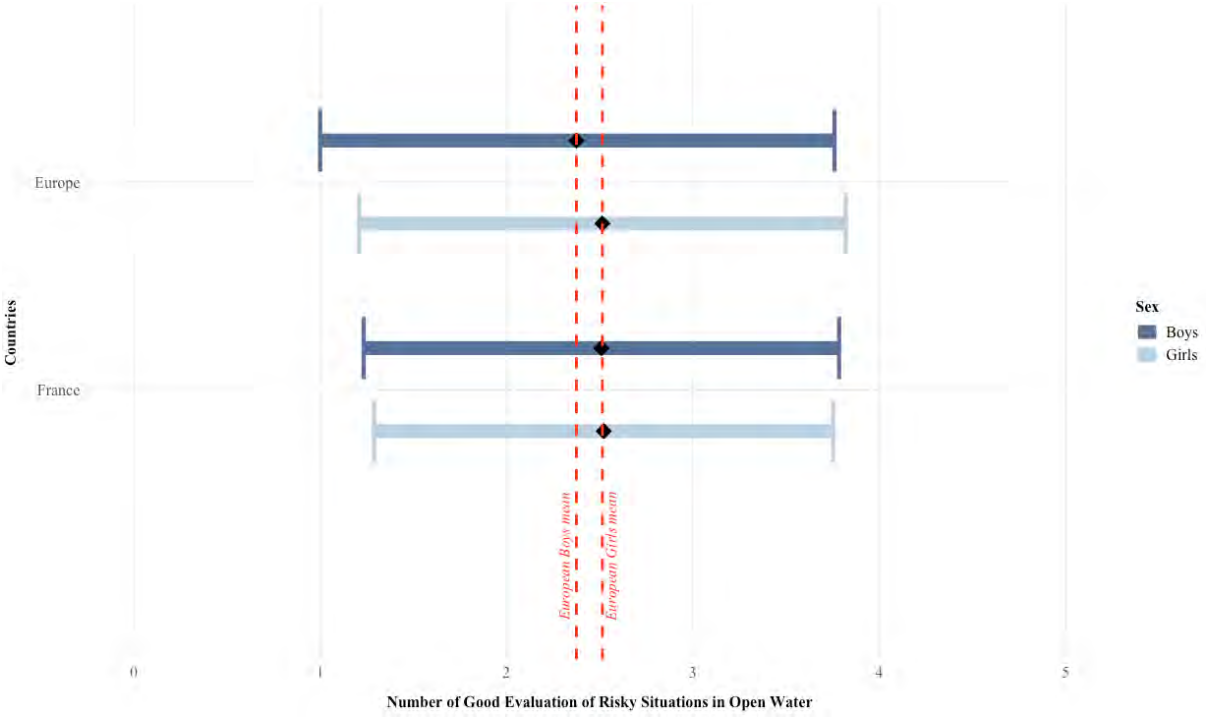


Figure 232. Distribution of the Number of Good Evaluation of Risky Situations in Open Water according to the Sex in Europe and in France (Mean±SD).

Table 397. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	Boys	283	1,211	0.12	0.04 [a]	0.22 [1]
	Girls	299	1,186	0.77	0.007 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 398. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France	Boys *vs* Girls	283	299	0.77	0.01 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

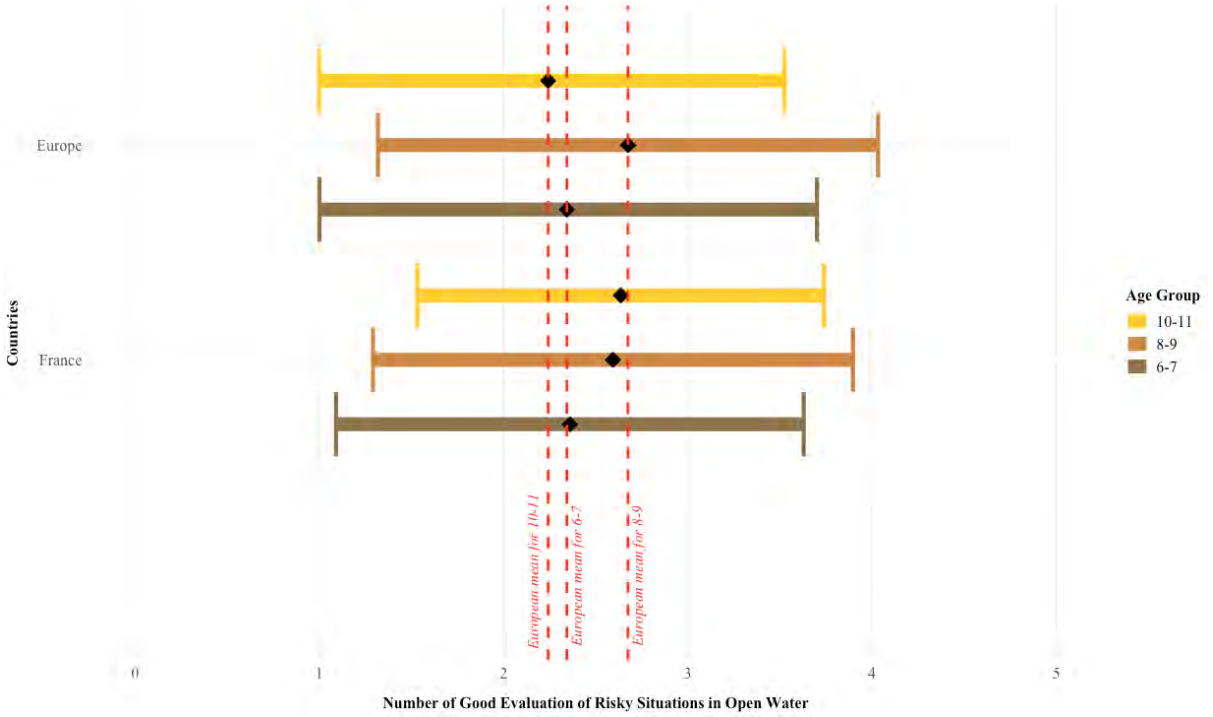


Figure 233. Distribution of the Number of Good Evaluation of Risky Situations in Open Water according to the Age Group in Europe and in France (Mean±SD).

Table 399. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	217	676	0.89	0.004 [a]	0.05 [1]
	8-9 yo	236	960	0.4	0.02 [a]	0.1 [1]
	10-11 yo	129	761	0.001 **	0.1 [a]	0.59 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 400. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	217	236		0.04 *	0.09 [a]	0.53 [2]
	8-9 yo *vs* 10-11 yo		236	129	0.85	0.01 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	217		129	0.03 *	0.11 [a]	0.54 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

D. Isolated task

Descriptive analysis

Table 401. Number of children who did the Isolated Tasks test.

Country	Sex	Age group	Entry in the water (n=)	Exit from the water (n=)	Propulsion on the belly (n=)	Floating (n=)
Europe	Boys	6-7	259	259	246	247
		8-9	428	428	422	420
		10-11	336	336	327	327
	Girls	6-7	263	263	250	255
		8-9	385	385	380	385
		10-11	332	332	320	320
France	Boys	6-7	87	87	87	87
		8-9	123	123	123	123
		10-11	47	47	47	47
	Girls	6-7	112	112	112	112
		8-9	107	107	107	107
		10-11	52	52	52	52
Total			**2,531**	**2,531**	**2,473**	**2,482**

Country	Sex	Age group	Propulsion on the Back (n=)	Breathing (n=)	Treading water (n=)	Submersion (n=)	Rotations (n=)
Europe	Boys	6-7	238	196	250	245	158
		8-9	416	403	422	420	329
		10-11	322	322	336	334	276
	Girls	6-7	241	223	256	250	162
		8-9	378	348	383	382	279
		10-11	321	324	329	331	280
France	Boys	6-7	87	81	87	87	80
		8-9	123	118	123	123	120
		10-11	47	46	47	47	47
	Girls	6-7	112	104	112	112	101
		8-9	107	104	107	105	100
		10-11	52	49	52	52	48
Total			**2,444**	**2,318**	**2,504**	**2,488**	**1,980**

Notes. Europe: Belgium, Germany, Lithuania, Norway, Poland and Portugal.

Table 402. Descriptive analyse of the Isolated Tasks test.

Country	Sex	Age group	Entry in the water Mean (±SD)	Exit from the water Mean (±SD)	Propulsion on the belly Mean (±SD)	Floating Mean (±SD)
Europe	Boys	6-7	2.54 (±1.76)	3.12 (±1.86)	15.35 (±17.4)	5.06 (±5.84)
		8-9	3.47 (±1.49)	4 (±1.5)	33.16 (±23.09)	9.37 (±5.94)
		10-11	4.16 (±1.23)	4.51 (±1.17)	47.87 (±21.56)	10.65 (±5.12)
	Girls	6-7	2.27 (±1.74)	2.8 (±1.86)	15.6 (±18.69)	5.88 (±6.26)
		8-9	3.15 (±1.49)	3.6 (±1.68)	30.5 (±23.3)	9.37 (±6.25)
		10-11	3.99 (±1.23)	4.33 (±1.29)	50.29 (±20.5)	11.43 (±4.99)
France	Boys	6-7	2.18 (±1.77)	3.52 (±1.74)	4.87 (±9.12)	3.3 (±5.49)
		8-9	3.69 (±3)	4.18 (±1.45)	19.57 (±20.49)	7.88 (±6.5)
		10-11	4.28 (±1.4)	4.49 (±1.14)	34.03 (±21.15)	9.6 (±6.09)
	Girls	6-7	1.97 (±2)	3.25 (±1.77)	7.48 (±11.64)	4.61 (±5.92)
		8-9	3.22 (±1.77)	3.91 (±1.59)	19.86 (±20.54)	8.4 (±6.68)
		10-11	3.02 (±1.94)	3.45 (±1.88)	23.52 (±21.75)	9.14 (±6.03)

Country	Sex	Age group	Propulsion on the back Mean (±SD)	Breathing Mean (±SD)	Treading water Mean (±SD)	Submersion Mean (±SD)	Rotations Mean (±SD)
Europe	Boys	6-7	15.25 (±18.33)	3.33 (±1.61)	32.92 (±42.85)	0.97 (±1.47)	2.44 (±1.71)
		8-9	33.93 (±23.6)	4.28 (±1.21)	70.88 (±49.96)	2.49 (±2.81)	3.5 (±1.57)
		10-11	44.64 (±21.07)	4.47 (±1.07)	96.21 (±40.92)	3.89 (±3.42)	4.04 (±1.27)
	Girls	6-7	16.3 (±19.72)	3.37 (±1.58)	30.31 (±42.82)	0.93 (±1.63)	2.38 (±1.82)
		8-9	31.86 (±24.54)	4.03 (±1.36)	65 (±49.52)	2.18 (±2.39)	3.28 (±1.67)
		10-11	46.51 (±19.61)	4.4 (±1.13)	98.36 (±40.03)	3.94 (±3.34)	4.26 (±1.2)
France	Boys	6-7	6.64 (±12.5)	2.68 (±1.44)	14.86 (±30.66)	0.44 (±0.92)	1.17 (±1.58)
		8-9	21.36 (±21.03)	3.48 (±1.62)	50.88 (±48.99)	1.68 (±2.6)	2.71 (±1.88)
		10-11	30.56 (±19.82)	4.37 (±1.22)	80.56 (±47.93)	2.31 (±2.52)	3.56 (±1.73)
	Girls	6-7	8 (±14.07)	2.72 (±1.5)	24.36 (±40.27)	0.42 (±0.83)	1.21 (±1.52)
		8-9	23.46 (±22.17)	3.5 (±1.53)	59.57 (±53.17)	1.47 (±2.25)	2.62 (±1.75)
		10-11	24.66 (±21.63)	3.8 (±1.42)	59.47 (±52.52)	2.27 (±3.15)	2.69 (±1.9)

Notes. Europe: Belgium, Germany, Lithuania, Norway, Poland and Portugal.

a. Entry in the water

Overview

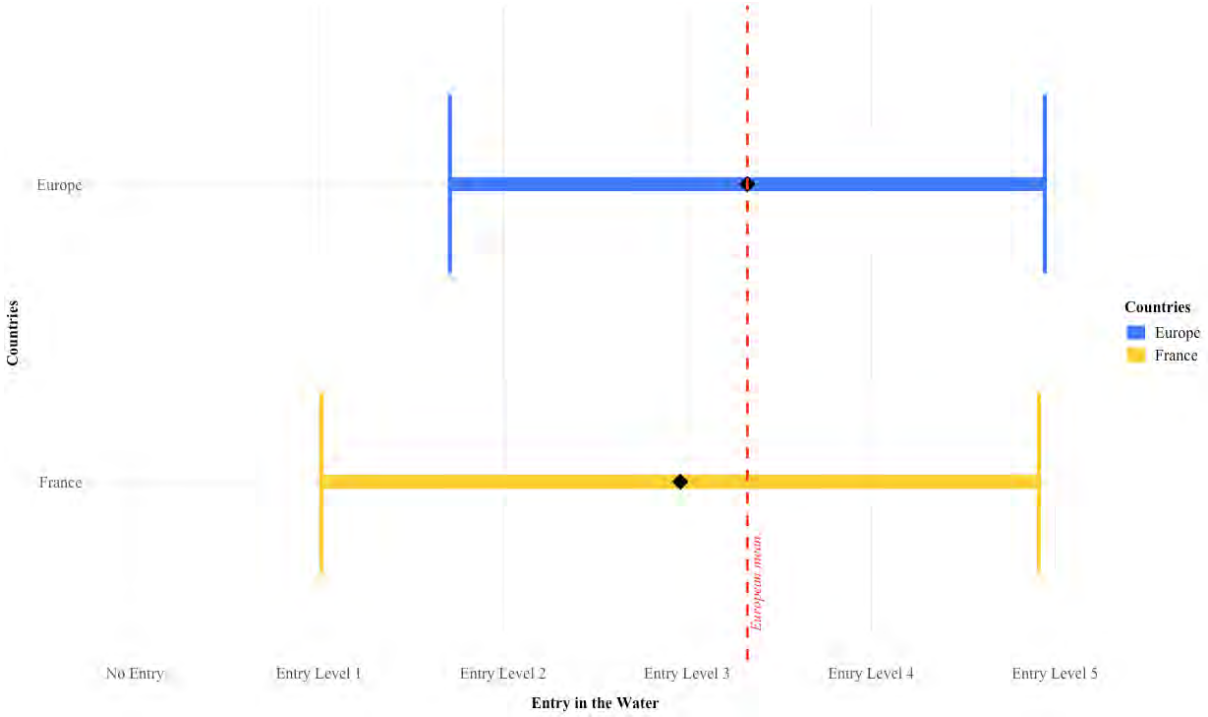


Figure 234. Distribution of the Entry in the Water in Europe and in France (Mean±SD).

Table 403. Comparative Analysis of the Entry in the Water in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	528	2,003	0.004 **	0.11 [a]	0.62 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

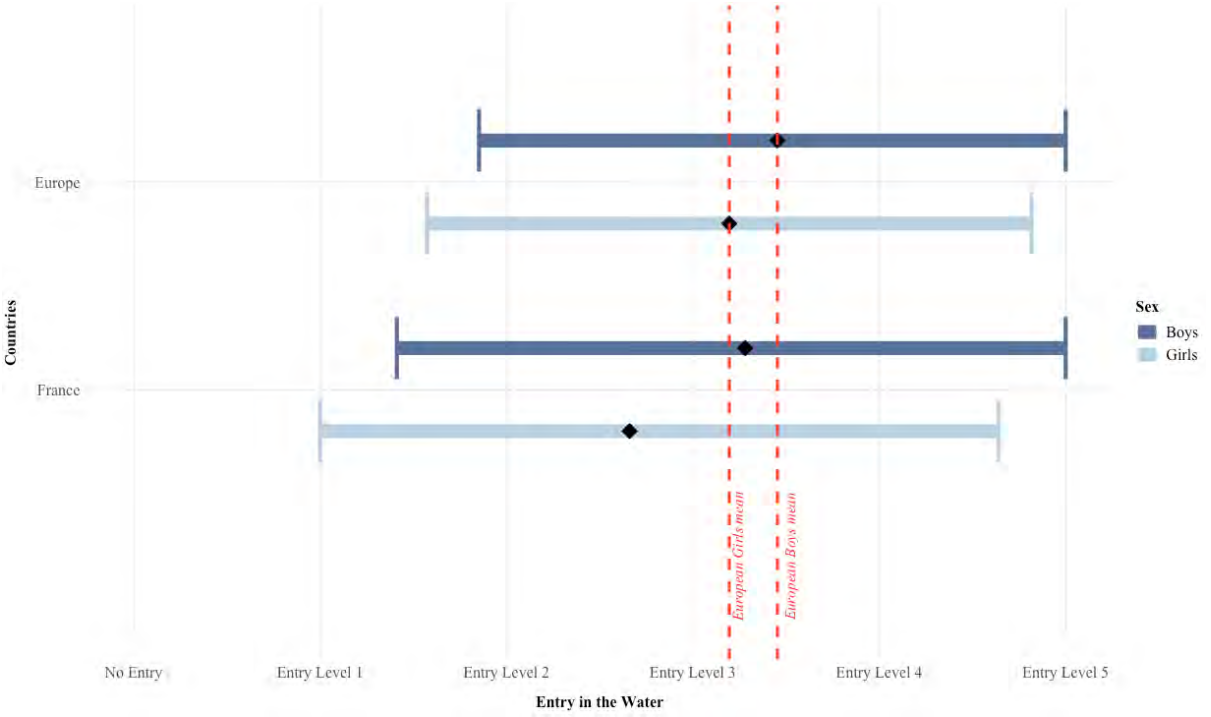


Figure 235. Distribution of the Entry in the Water according to the Sex in Europe and in France (Mean±SD).

Table 404. Comparative Analysis of the Entry in the Water in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	Boys	257	1,023	0.7	0.01 [a]	0.06 [1]
	Girls	271	980	4 [e-04] ***	0.1 [a]	0.82 [3]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 405. Comparative Analysis of the Entry in the Water in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France	Boys *vs* Girls	257	271	2[e-4] ***	0.16 [a]	0.95 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

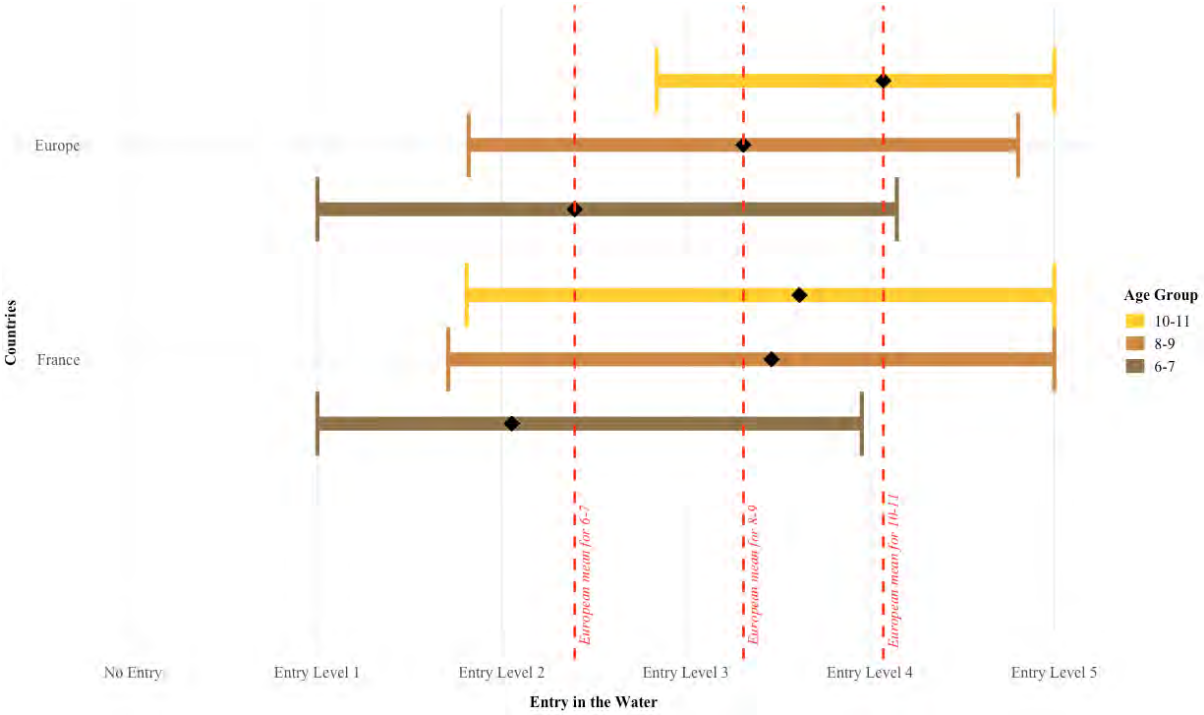


Figure 236. Distribution of the Entry in the Water according to the Age Group in Europe and in France (Mean±SD).

Table 406. Comparative Analysis of the Entry in the Water in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	199	522	0.02 *	0.09 [a]	0.56 [2]
	8-9 yo	230	813	0.01 *	0.07 [a]	0.5 [2]
	10-11 yo	99	668	0.18	0.04 [a]	0.13 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 407. Comparative Analysis of the Entry in the Water in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	199	230		1.19^{e-13} ***	0.35 [b]	1 [4]
	8-9 yo *vs* 10-11 yo		230	99	0.33	0.05 [a]	0.13 [1]
	6-7 yo *vs* 10-11 yo	199		99	2.8^{e-10} ***	0.36 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

b. Exit from the water

Overview

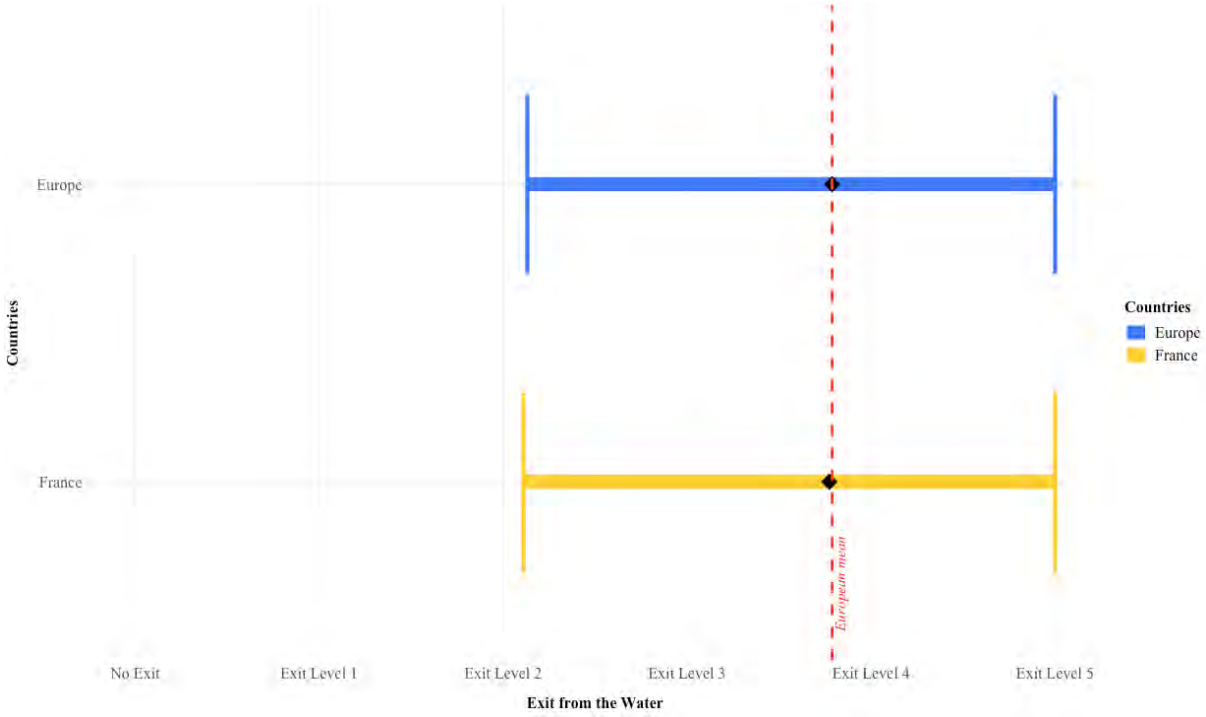


Figure 237. Distribution of the Exit from the Water in Europe and in France (Mean±SD).

Table 408. Comparative Analysis of the Exit from the Water in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	528	2,003	0.8	0.009 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

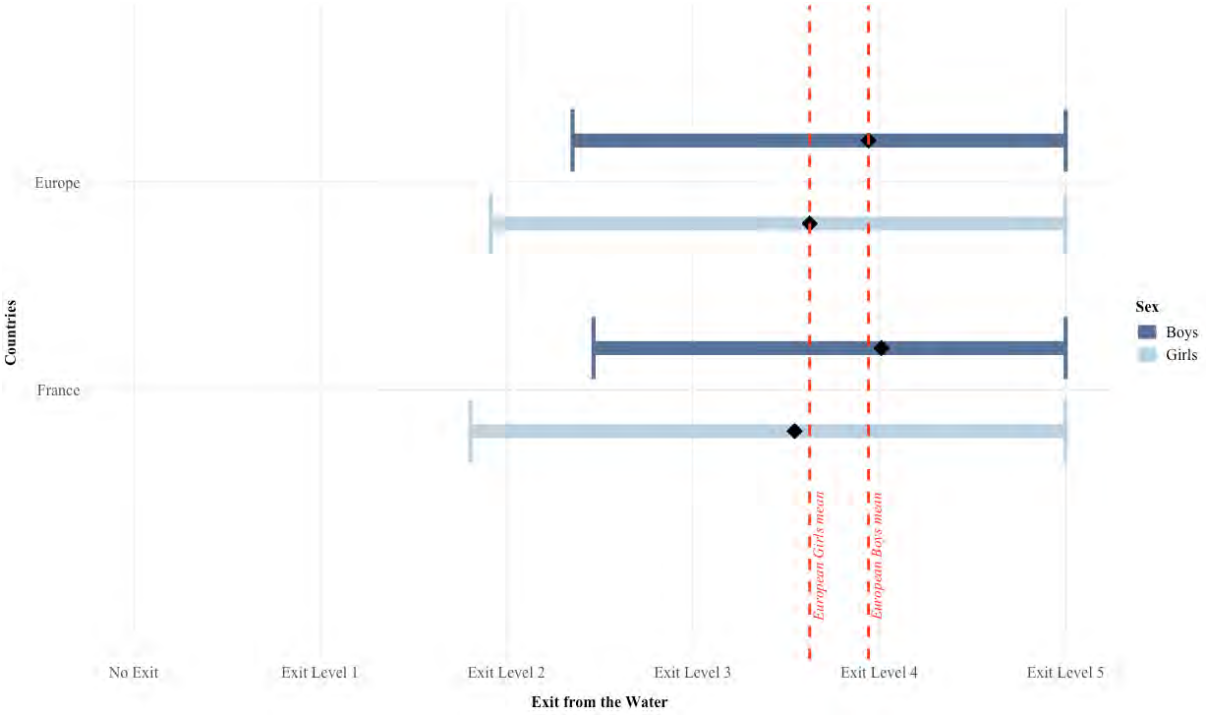


Figure 238. Distribution of the Exit from the Water according to the Sex in Europe and in France (Mean±SD).

Table 409. Comparative Analysis of the Exit from the Water in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	Boys	257	1,023	0.36	0.02 [a]	0.1 [1]
	Girls	271	980	0.7	0.01 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 410. Comparative Analysis of the Exit from the Water in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
France	Boys *vs* Girls	257	271	9^{e-04} ***	0.13 [a]	0.86 [3]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

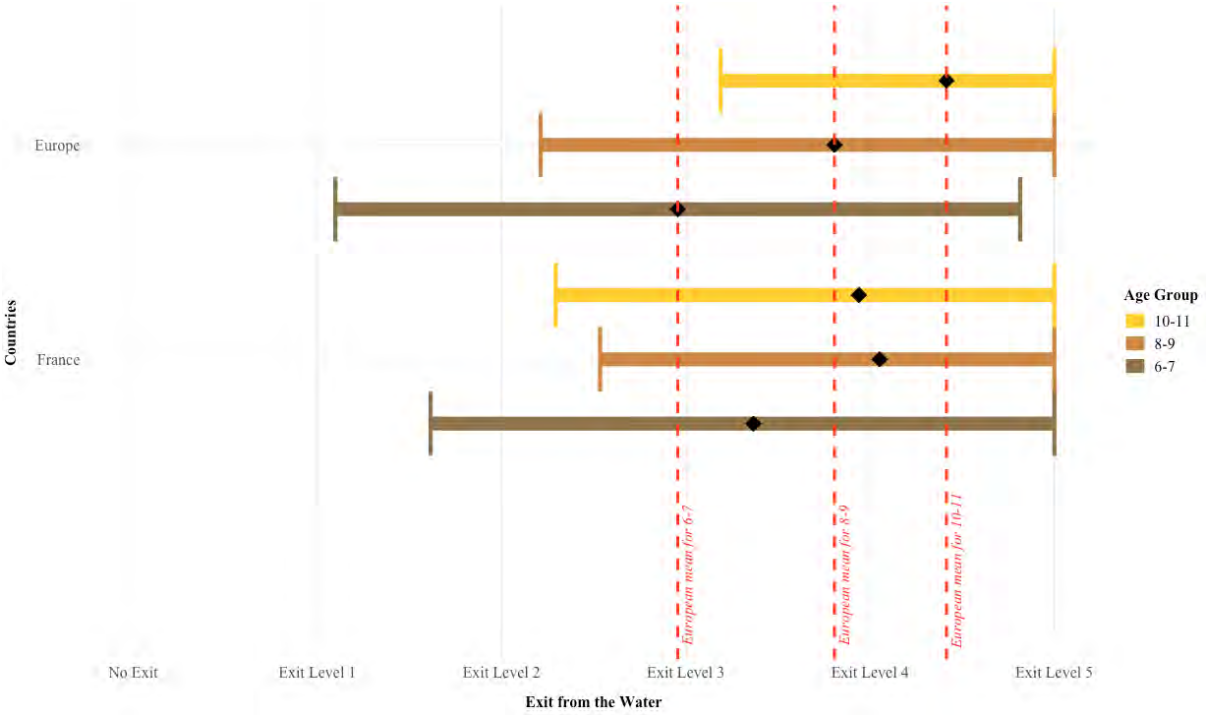


Figure 239. Distribution of the Exit from the Water according to the Age Group in Europe and in France (Mean±SD).

Table 411. Comparative Analysis of the Exit from the Water in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	199	522	0.003 **	0.1 [a]	0.72 [2]
	8-9 yo	230	813	0.008 **	0.07 [a]	0.52 [2]
	10-11 yo	99	668	0.006 **	0.08 [a]	0.3 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 412. Comparative Analysis of the Exit from the Water in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	199	230		2^{e-05} ***	0.19 [a]	0.97 [4]
	8-9 yo *vs* 10-11 yo		230	99	0.69	0.02 [a]	0.06 [1]
	6-7 yo *vs* 10-11 yo	199		99	0.004 **	0.15 [a]	0.72 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

c. Propulsion on the belly

Overview

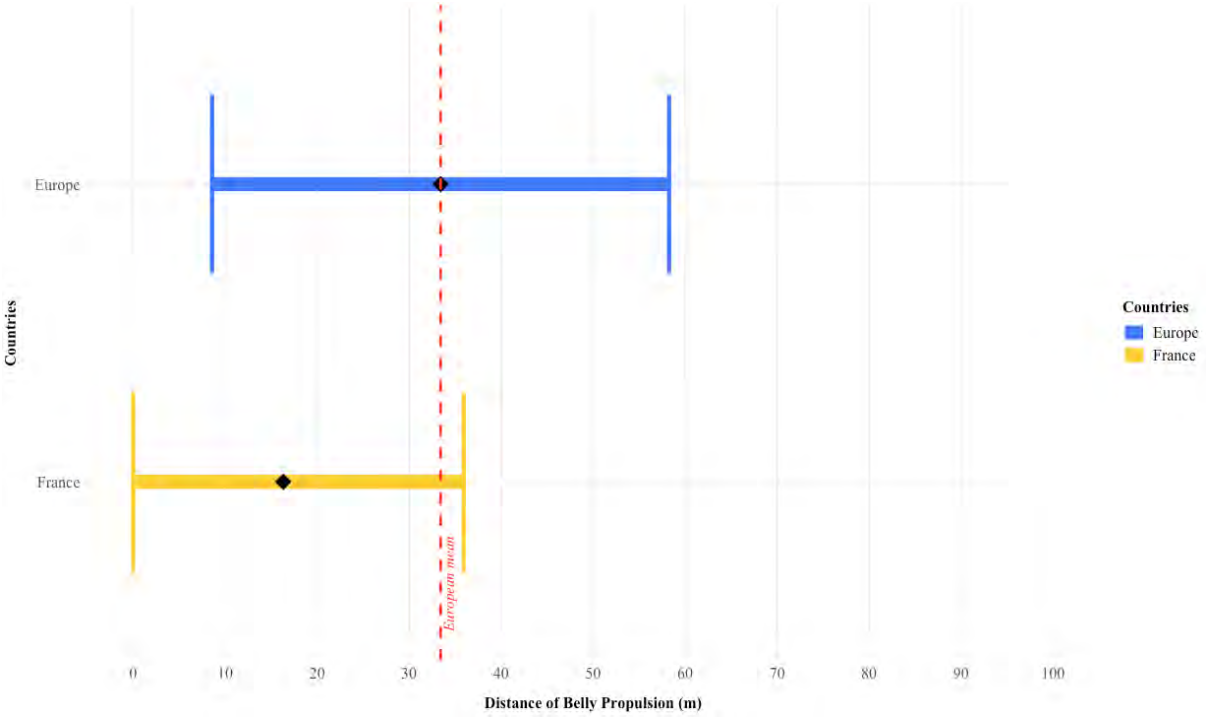


Figure 240. Distribution of the Propulsion on the Belly in Europe and in France (Mean±SD).

Table 413. Comparative Analysis of the Propulsion on the Belly in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	528	1,945	2.13^{e-44} ***	0.58 [c]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

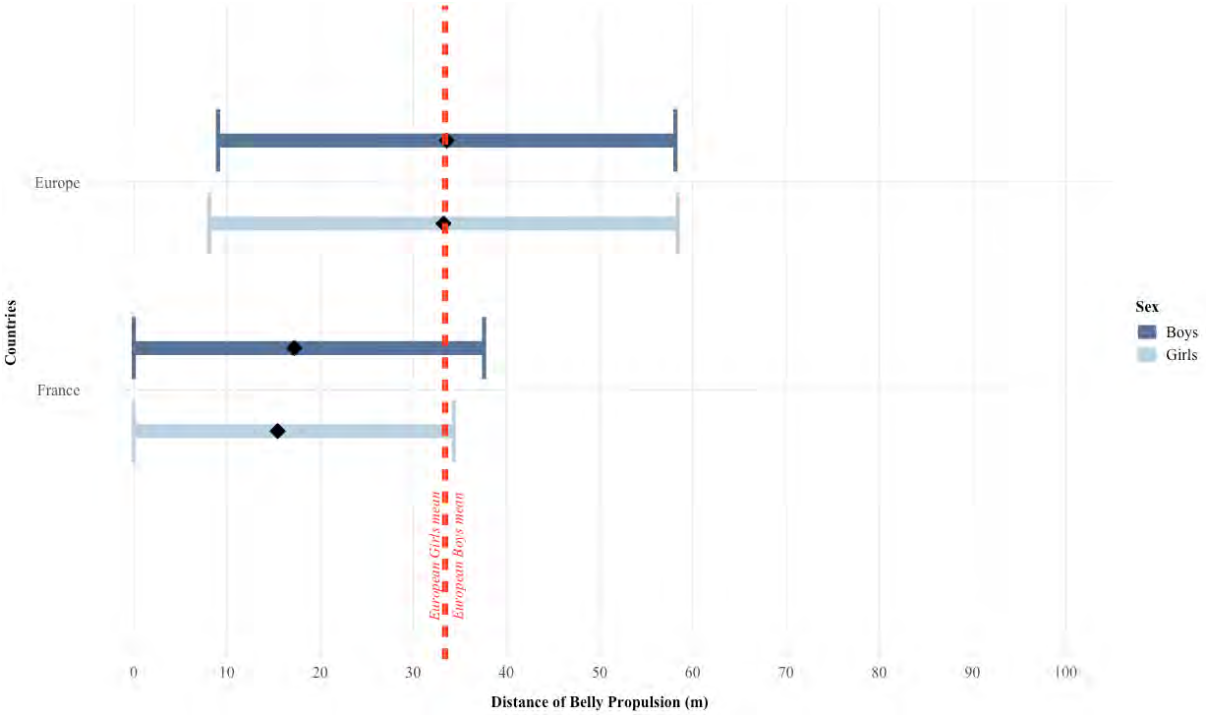


Figure 241. Distribution of the Propulsion on the Belly according to the Sex in Europe and in France (Mean±SD).

Table 414. Comparative Analysis of the Propulsion on the Belly in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	Boys	257	995	8.91^{e-21} ***	0.29 [b]	1 [4]
	Girls	271	950	3.59^{e-25} ***	0.29 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 415. Comparative Analysis of the Propulsion on the Belly in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France	Boys *vs* Girls	257	271	0.36	0.04 [a]	0.15 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

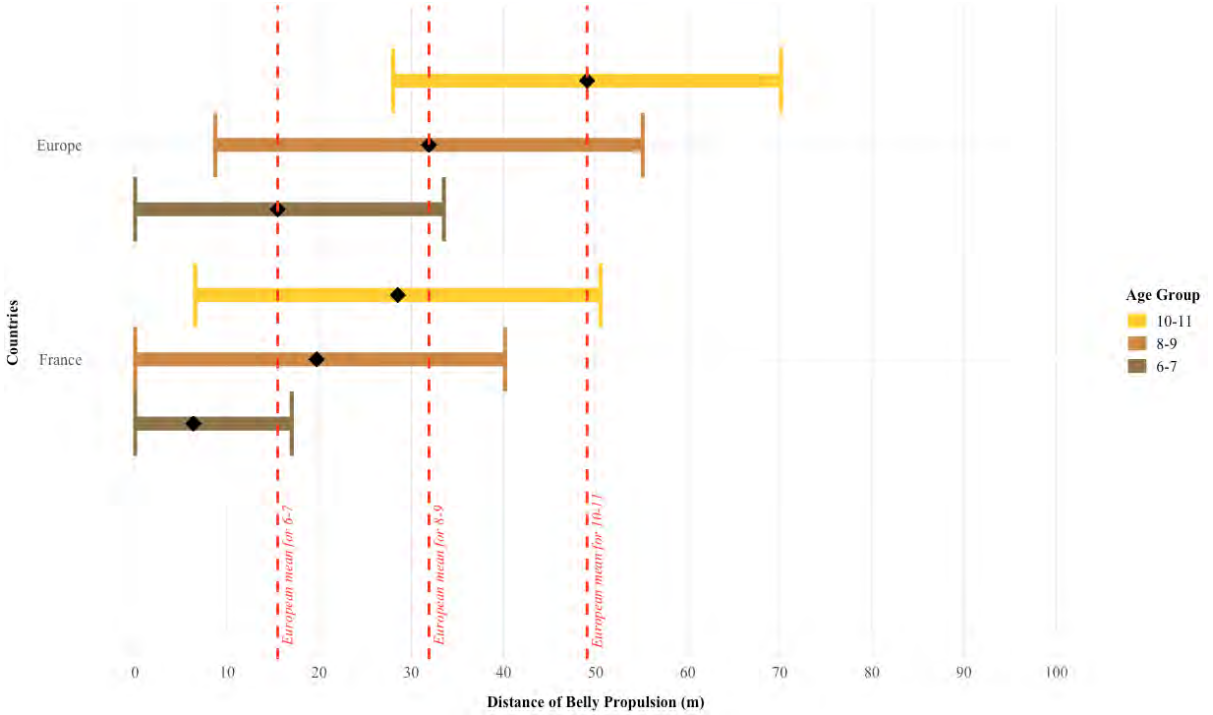


Figure 242. Distribution of the Propulsion on the Belly according to the Age Group in Europe and in France (Mean±SD).

Table 416. Comparative Analysis of the Propulsion on the Belly in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	199	496	8.05^{e-10} ***	0.22 [b]	1 [4]
	8-9 yo	230	802	2.3^{e-12} ***	0.22 [a]	1 [4]
	10-11 yo	99	647	9.96^{e-16} ***	0.29 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 417. Comparative Analysis of the Propulsion on the Belly in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	199	230		1.19^{e-17} ***	0.4 [a]	1 [4]
	8-9 yo *vs* 10-11 yo		230	99	4.69^{e-04} ***	0.19 [a]	0.9 [4]
	6-7 yo *vs* 10-11 yo	199		99	6.92^{e-21} ***	0.53 [c]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

d. Propulsion on the back

Overview

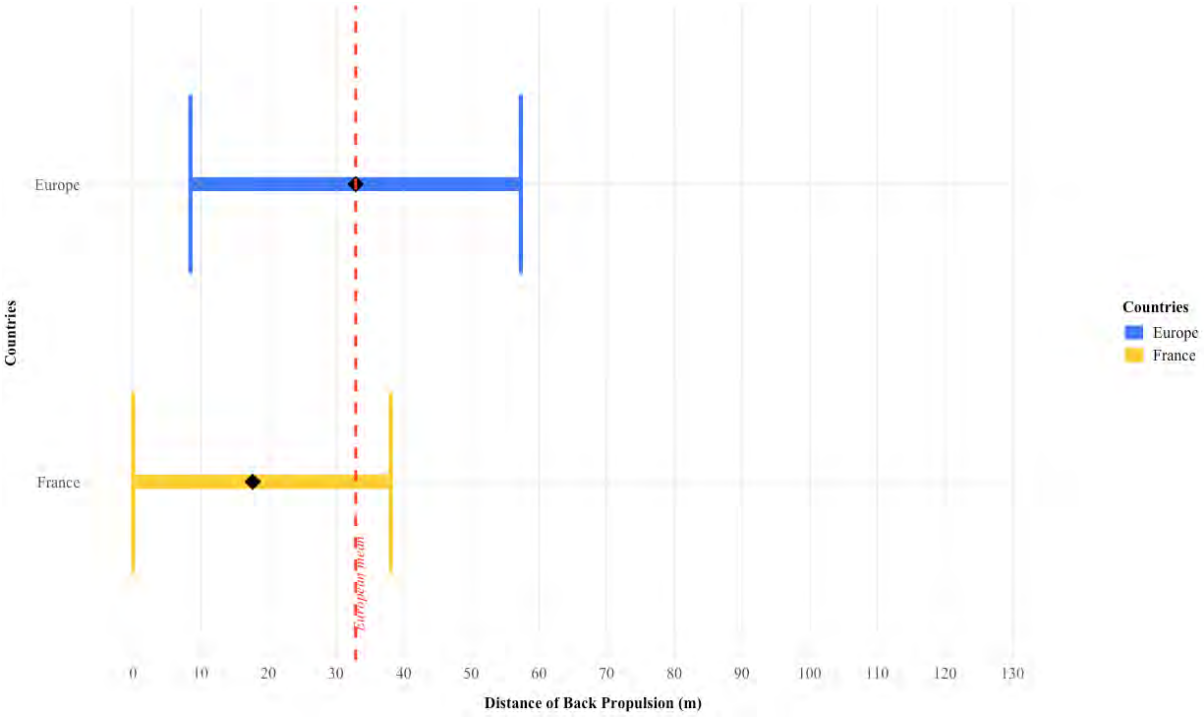


Figure 243. Distribution of the Propulsion on the Back in Europe and in France (Mean±SD).

Table 418. Comparative Analysis of the Propulsion on the Back in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	528	1,916	2.57^{e-36} ***	0.52 [c]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

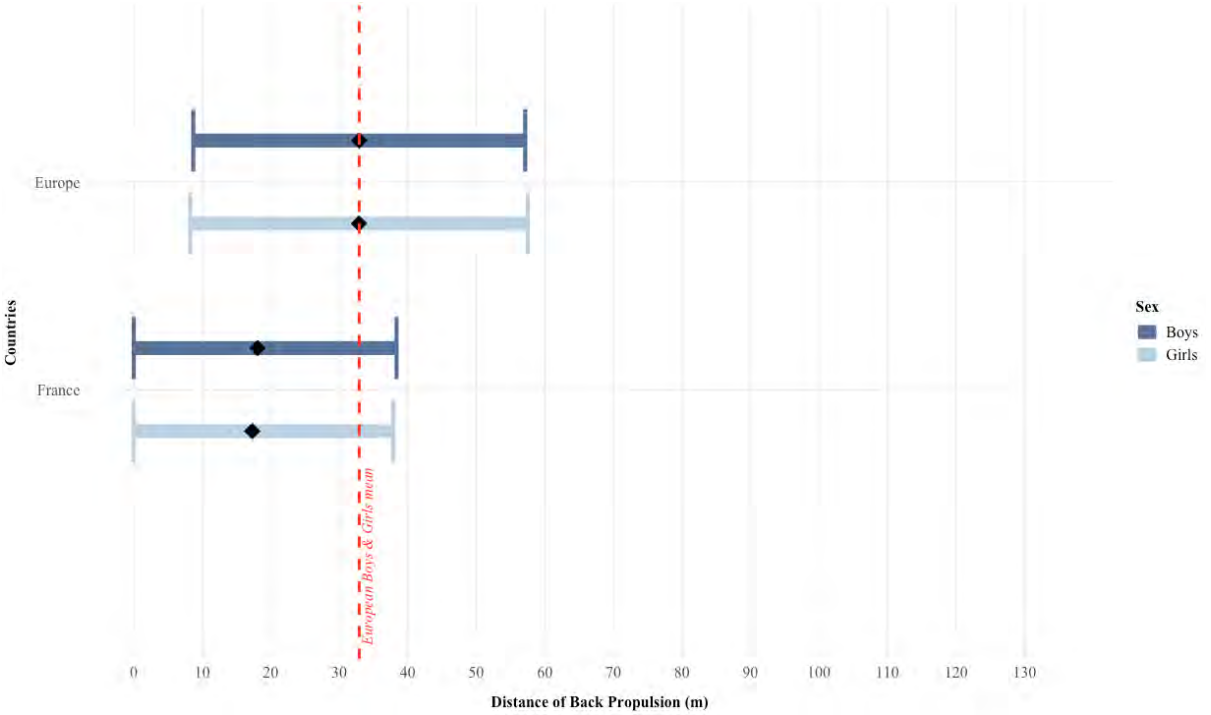


Figure 244. Distribution of the Propulsion on the Back according to the Sex in Europe and in France (Mean±SD).

Table 419. Comparative Analysis of the Propulsion on the Back in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	Boys	257	976	6^{e-18} ***	0.24 [b]	1 [4]
	Girls	271	940	5.62^{e-20} ***	0.26 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 420. Comparative Analysis of the Propulsion on the Back in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
France	Boys *vs* Girls	257	271	0.55	0.02 [a]	0.09 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

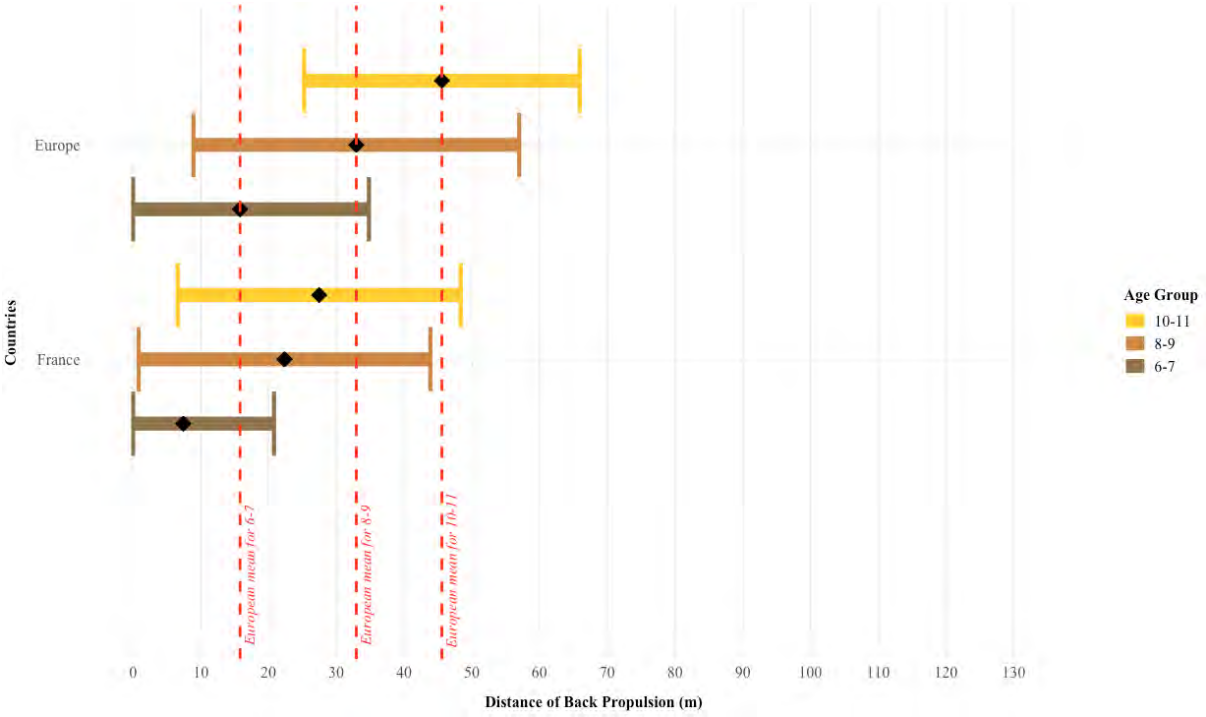


Figure 245. Distribution of the Propulsion on the Back according to the Age Group in Europe and in France (Mean±SD).

Table 421. Comparative Analysis of the Propulsion on the Back in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	199	479	5.09^{e-09} ***	0.21 [b]	1 [4]
	8-9 yo	230	794	4.35^{e-08} ***	0.17 [a]	1 [4]
	10-11 yo	99	643	6.1^{e-14} ***	0.27 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 422. Comparative Analysis of the Propulsion on the Back in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	199	230		6.53^{e-18} ***	0.4 [b]	1 [4]
	8-9 yo *vs* 10-11 yo		230	99	0.02 *	0.13 [a]	0.56 [2]
	6-7 yo *vs* 10-11 yo	199		99	6.1^{e-20} ***	0.5 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

e. Submersion

Overview

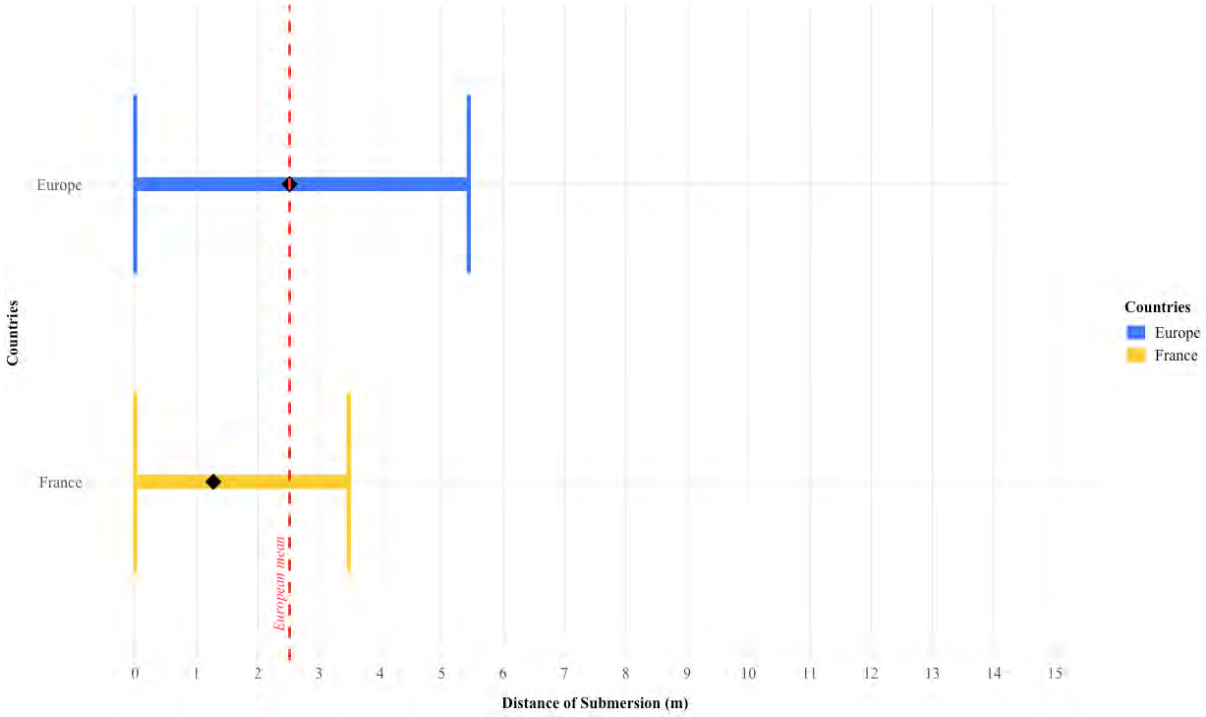


Figure 246. Distribution of the Submersion in Europe and in France (Mean±SD).

Table 423. Comparative Analysis of the Submersion in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	526	1,962	2.7^{e-25} ***	0.41 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

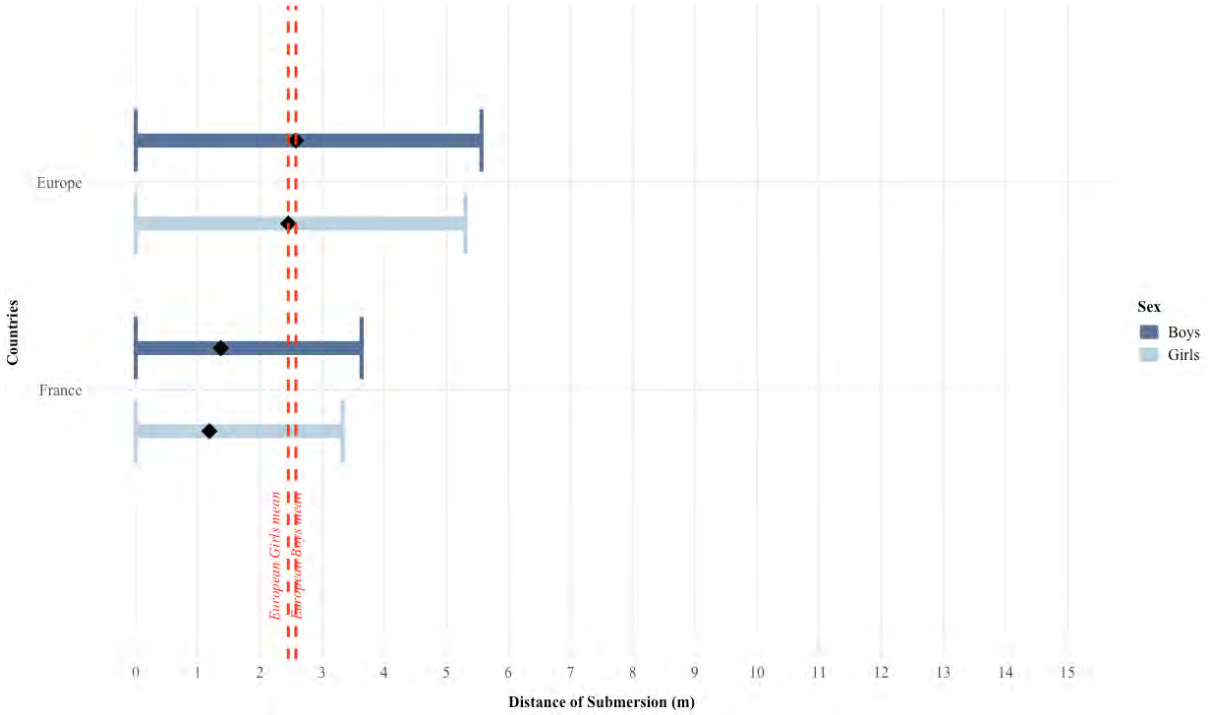


Figure 247. Distribution of the Submersion according to the Sex in Europe and in France (Mean±SD).

Table 424. Comparative Analysis of the Submersion in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	Boys	257	999	$6.^{5e-12}$ ***	0.19 [a]	1 [4]
	Girls	269	963	6.37^{e-15} ***	0.21 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 425. Comparative Analysis of the Submersion in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France	Boys *vs* Girls	257	269	0.29	0.04 [a]	0.16 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

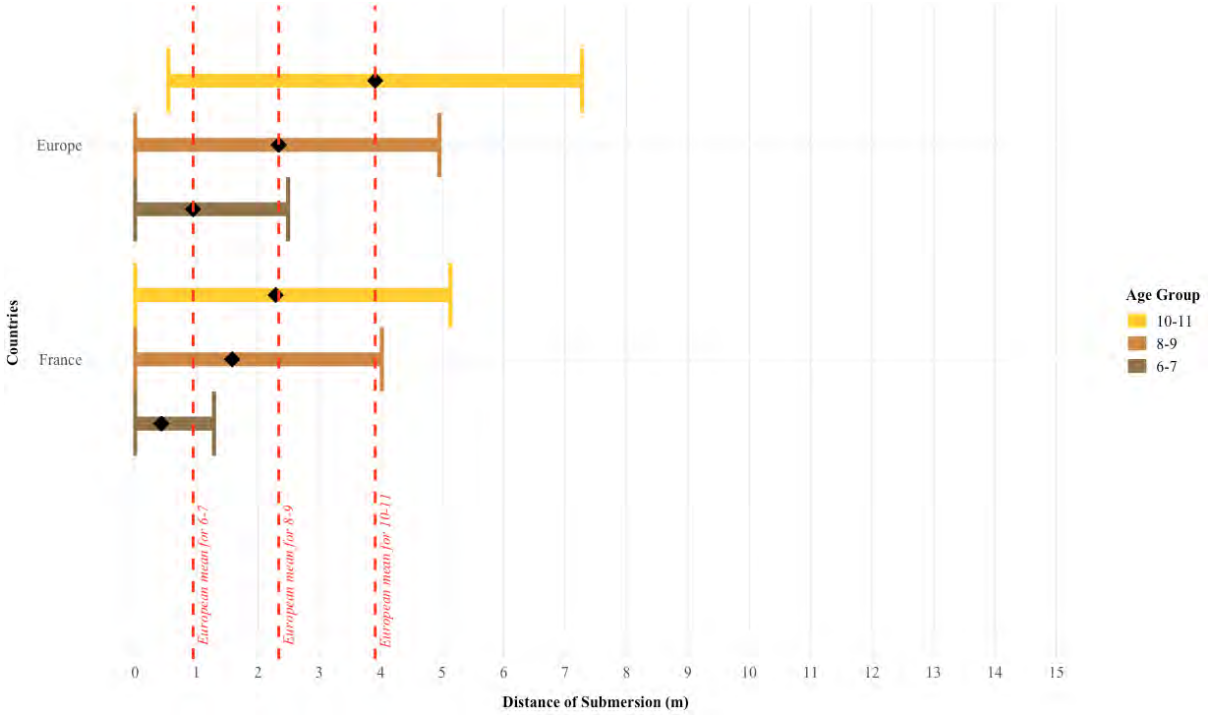


Figure 248. Distribution of the Submersion according to the Age Group in Europe and in France (Mean±SD).

Table 426. Comparative Analysis of the Submersion in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	199	495	4.1^{e-06} ***	0.15 [a]	0.96 [4]
	8-9 yo	228	802	7.29^{e-07} ***	0.15 [a]	0.98 [4]
	10-11 yo	99	665	2.02^{e-07} ***	0.19 [a]	0.94 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 427. Comparative Analysis of the Submersion in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	199	228		1.43^{e-11} ***	0.29 [b]	1 [4]
	8-9 yo *vs* 10-11 yo		228	99	1.37^{e-03} **	0.17 [a]	0.82 [3]
	6-7 yo *vs* 10-11 yo	199		99	2.89^{e-18} ***	0.45 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

f. Breathing

Overview

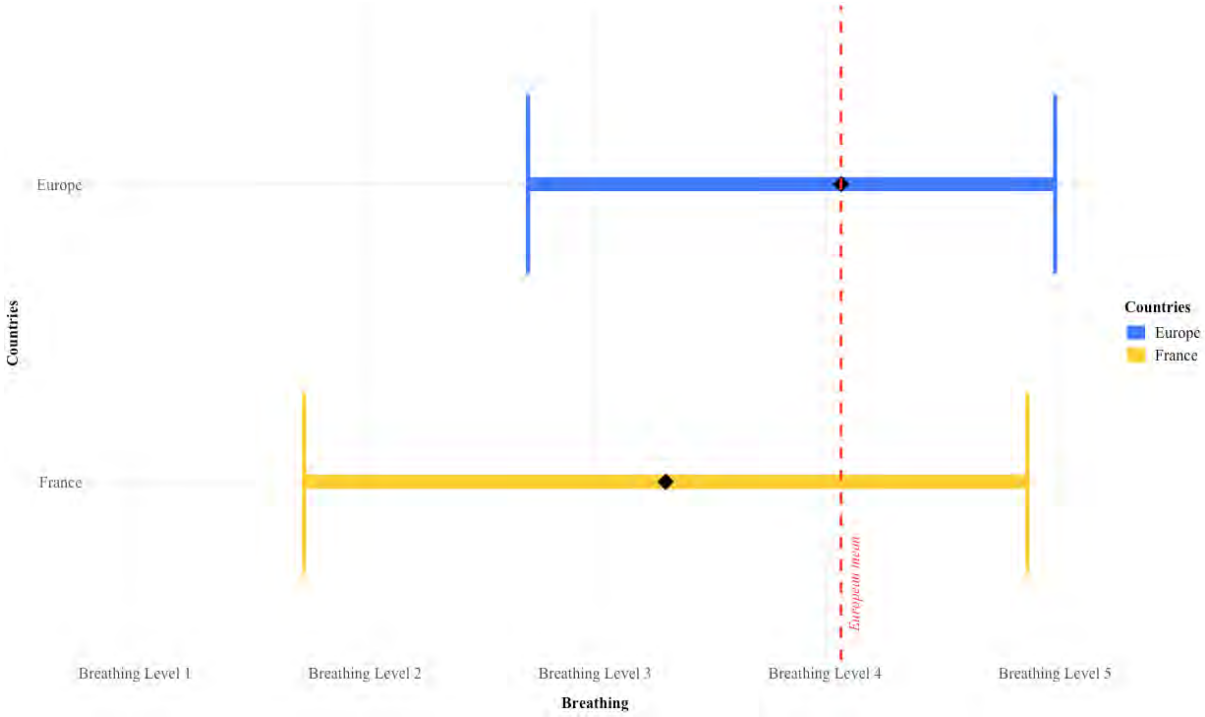


Figure 249. Distribution of the Breathing in Europe and in France (Mean±SD).

Table 428. Comparative Analysis of the Breathing in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	502	1,816	3.63^{e-24} ***	0.39 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

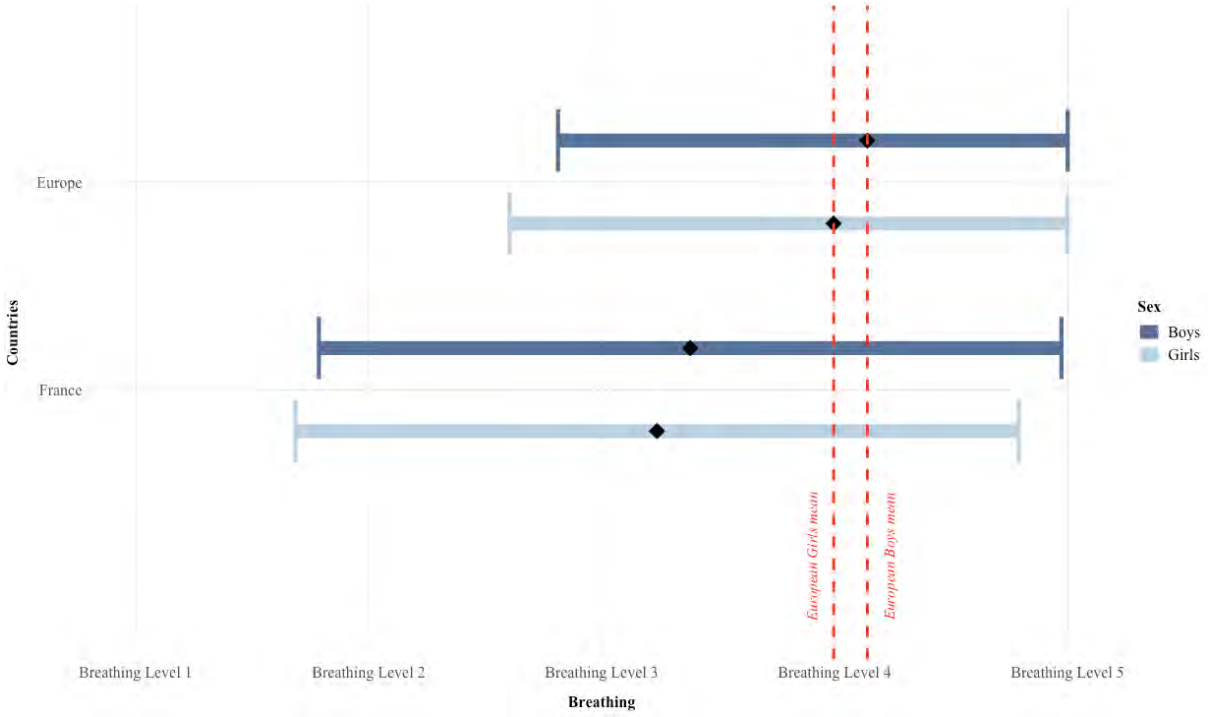


Figure 250. Distribution of the Breathing according to the Sex in Europe and in France (Mean±SD).

Table 429. Comparative Analysis of the Breathing in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	Boys	245	921	9.63^{e-13} ***	0.18 [a]	1 [4]
	Girls	257	895	7.83^{e-13} ***	0.19 [a]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 430. Comparative Analysis of the Breathing in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France	Boys *vs* Girls	245	257	0.36	0.04 [a]	0.14 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

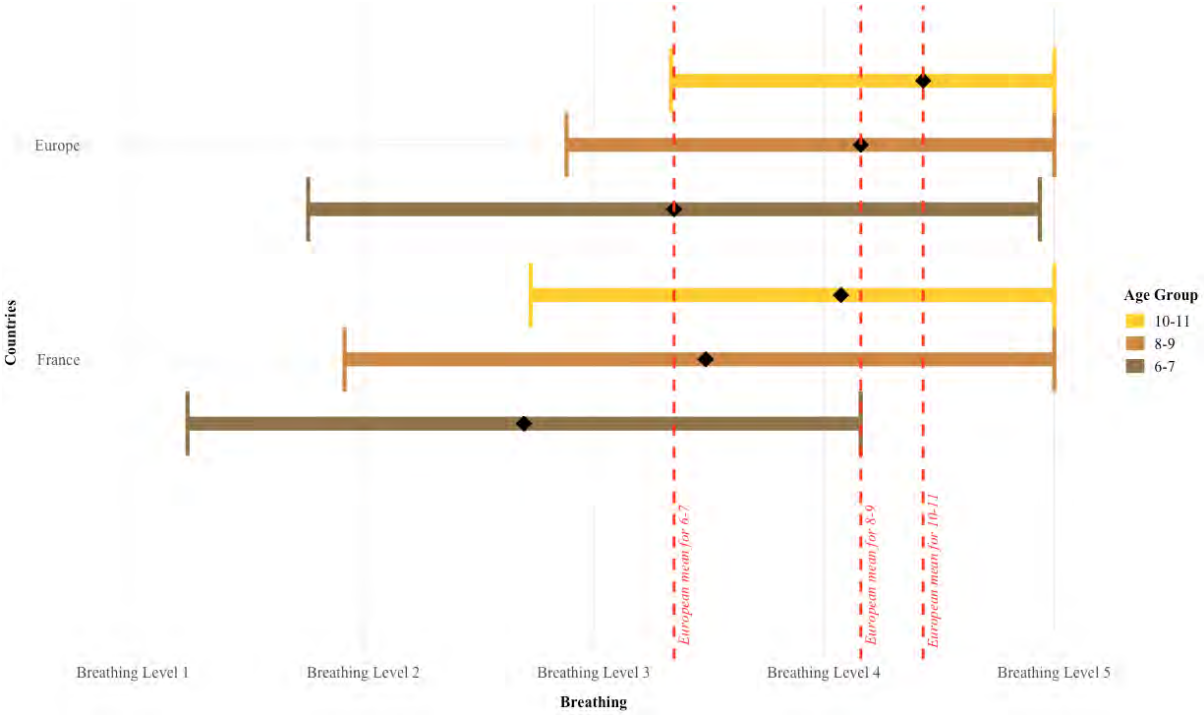


Figure 251. Distribution of the Breathing according to the Age Group in Europe and in France (Mean±SD).

Table 431. Comparative Analysis of the Breathing in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	185	419	5.82^{e-06} ***	0.18 [a]	0.98 [4]
	8-9 yo	222	751	2.01^{e-09} ***	0.17 [a]	0.99 [4]
	10-11 yo	95	646	0.01 *	0.07 [a]	0.26 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 432. Comparative Analysis of the Breathing in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	185	222		6.8^{e-07} ***	0.24 [b]	1 [4]
	8-9 yo *vs* 10-11 yo		222	95	1.36^{e-03} **	0.17 [a]	0.78 [2]
	6-7 yo *vs* 10-11 yo	185		95	3.4^{e-12} ***	0.4 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

g. Treading water

Overview

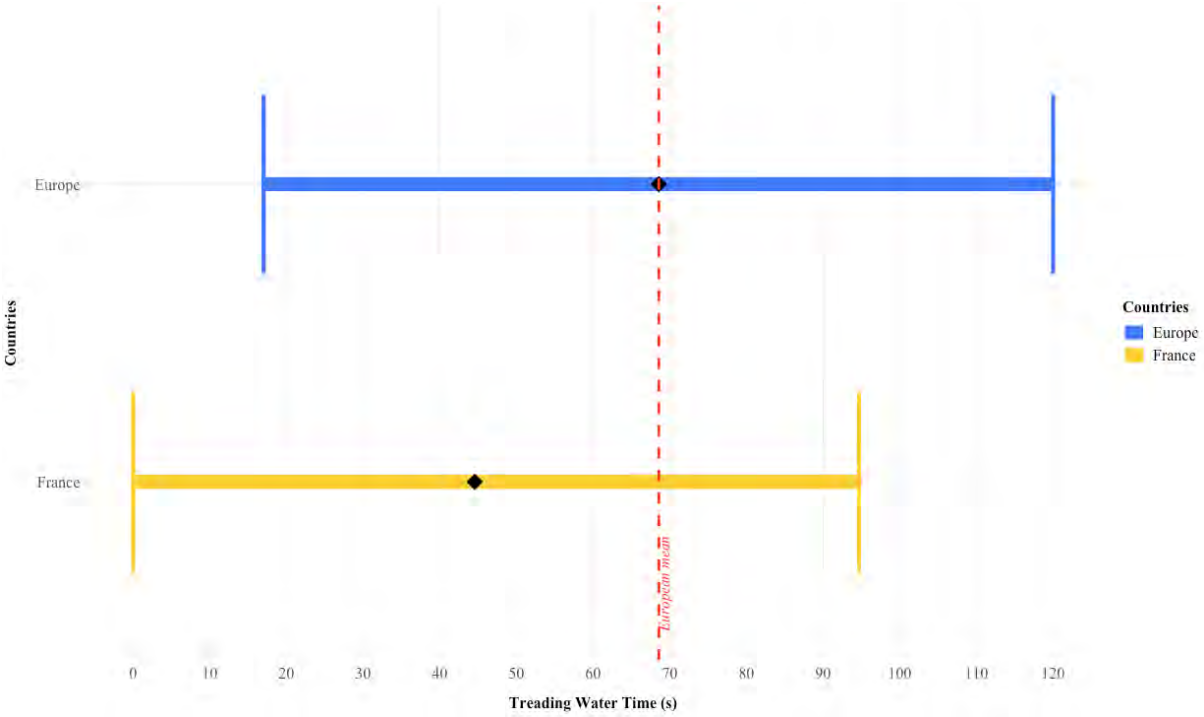


Figure 252. Distribution of the Treading Water in Europe and in France (Mean±SD).

Table 433. Comparative Analysis of the Treading Water in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	528	1,976	9.65^{e-25} ***	0.4 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

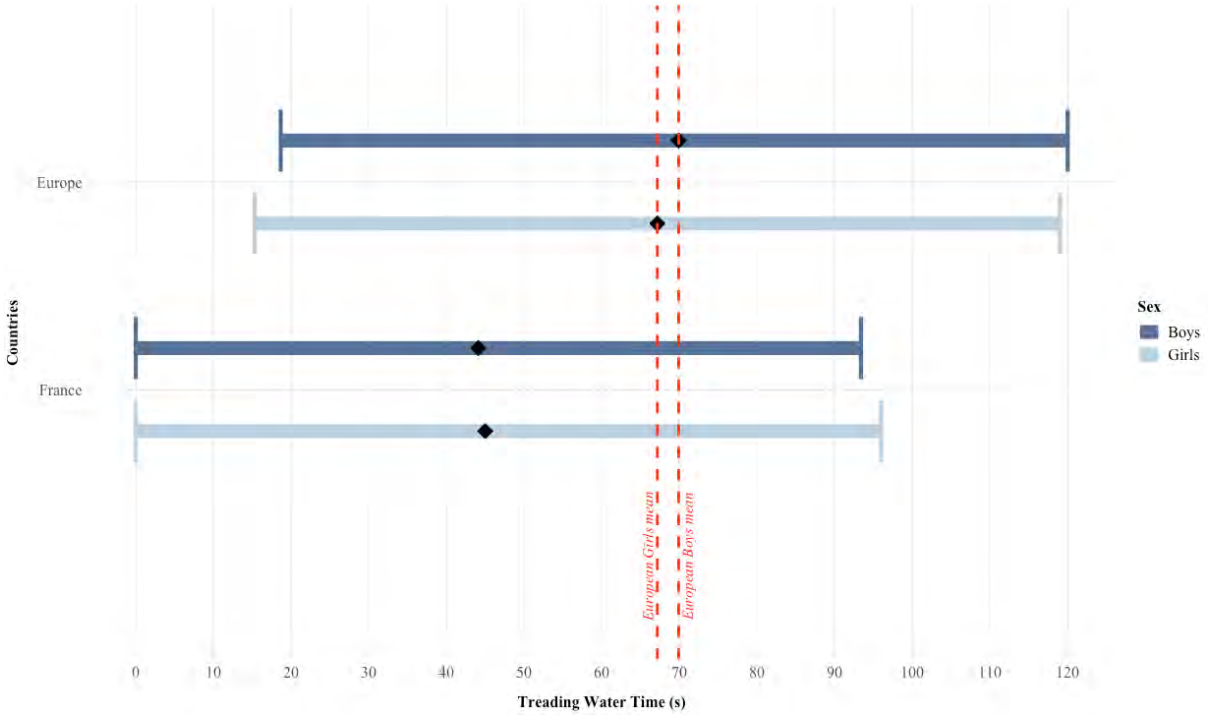


Figure 253. Distribution of the Treading Water according to the Sex in Europe and in France (Mean±SD).

Table 434. Comparative Analysis of the Treading Water in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	Boys	257	1,008	1.27^{e-14} ***	0.21 [b]	1 [4]
	Girls	271	968	9.23^{e-12} ***	0.19 [a]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 435. Comparative Analysis of the Treading Water in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France	Boys *vs* Girls	257	271	0.97	0.001 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

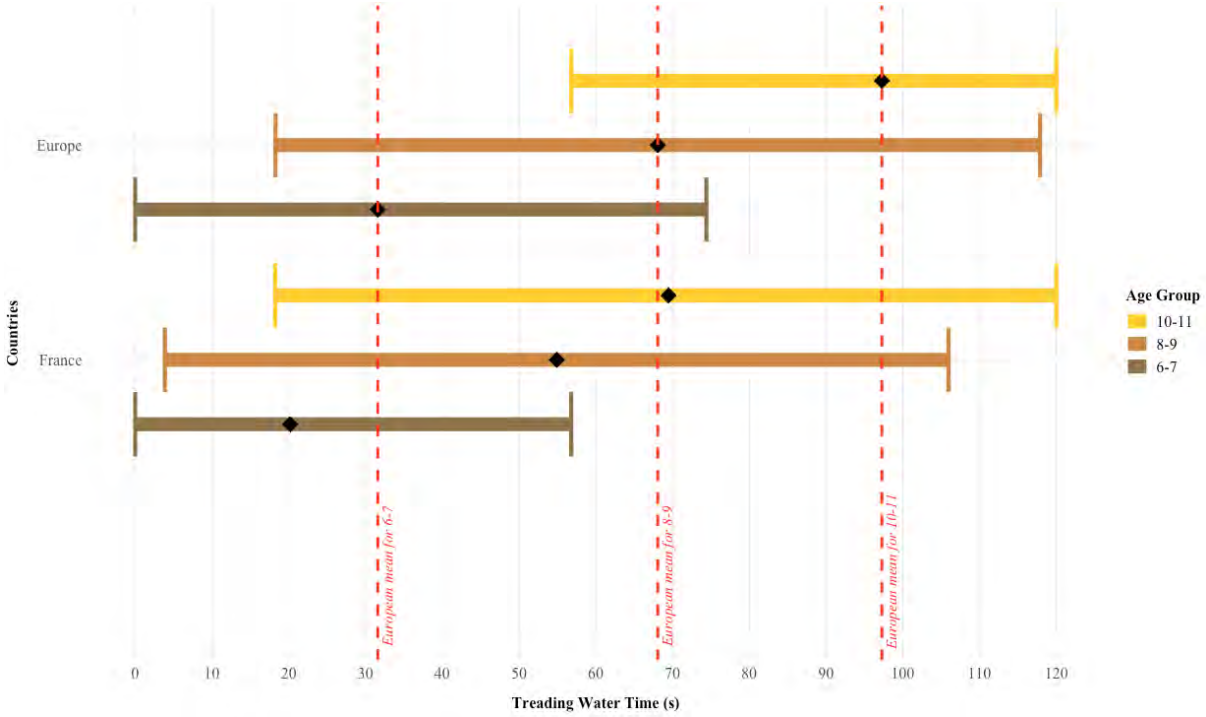


Figure 254. Distribution of the Treading Water according to the Age Group in Europe and in France (Mean±SD).

Table 436. Comparative Analysis of the Treading Water in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	199	506	1.23^{e-07} ***	0.19 [a]	1 [4]
	8-9 yo	230	805	1.51^{e-04} ***	0.11 [a]	0.86 [3]
	10-11 yo	99	665	8.19^{e-09} ***	0.17 [a]	0.9 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 437. Comparative Analysis of the Treading Water in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	199	230		1.9^{e-18} ***	0.41 [b]	1 [4]
	8-9 yo *vs* 10-11 yo		230	99	0.01 *	0.14 [a]	0.63 [2]
	6-7 yo *vs* 10-11 yo	199		99	1.88^{e-19} ***	0.5 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

h. Floating

Overview

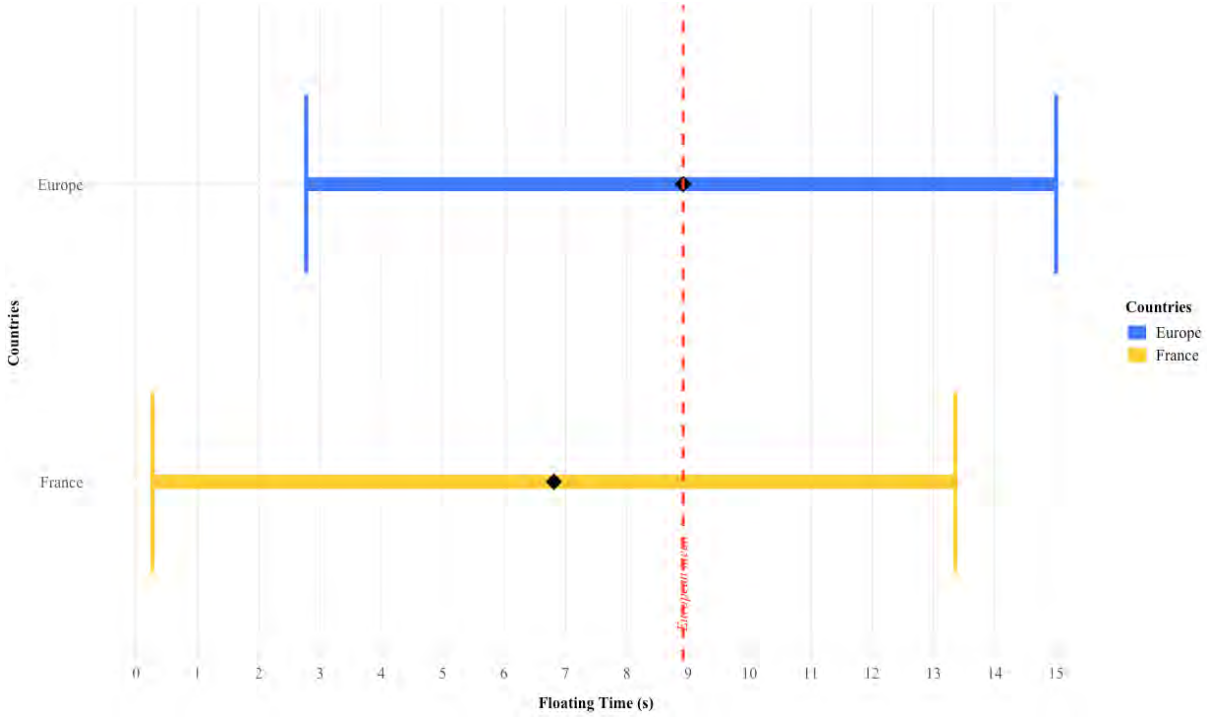


Figure 255. Distribution of the Floating in Europe and in France (Mean±SD).

Table 438. Comparative Analysis of the Floating in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	528	1,954	6.98^{e-11} ***	0.25 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

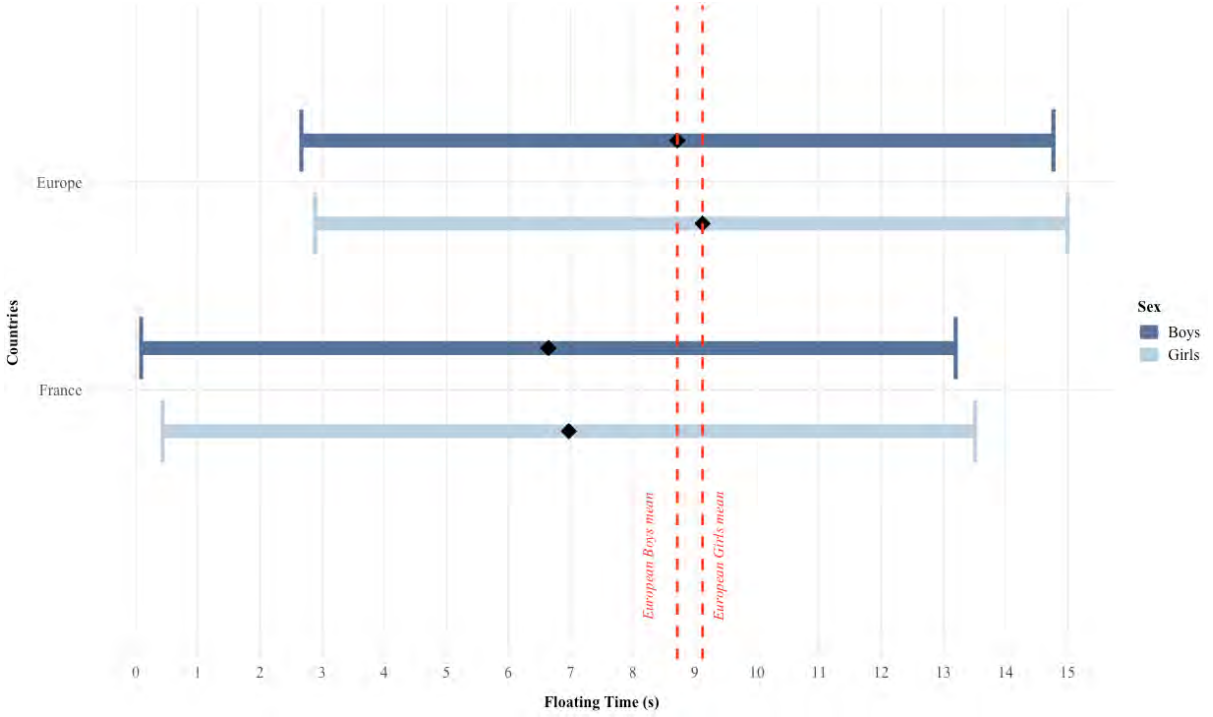


Figure 256. Distribution of the Floating according to the Sex in Europe and in France (Mean±SD).

Table 439. Comparative Analysis of the Floating in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	Boys	257	994	5.48^{e-06} ***	0.12 [a]	0.95 [4]
	Girls	271	960	2.08^{e-06} ***	0.13 [a]	0.97 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 440. Comparative Analysis of the Floating in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
France	Boys *vs* Girls	257	271	0.6	0.02 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

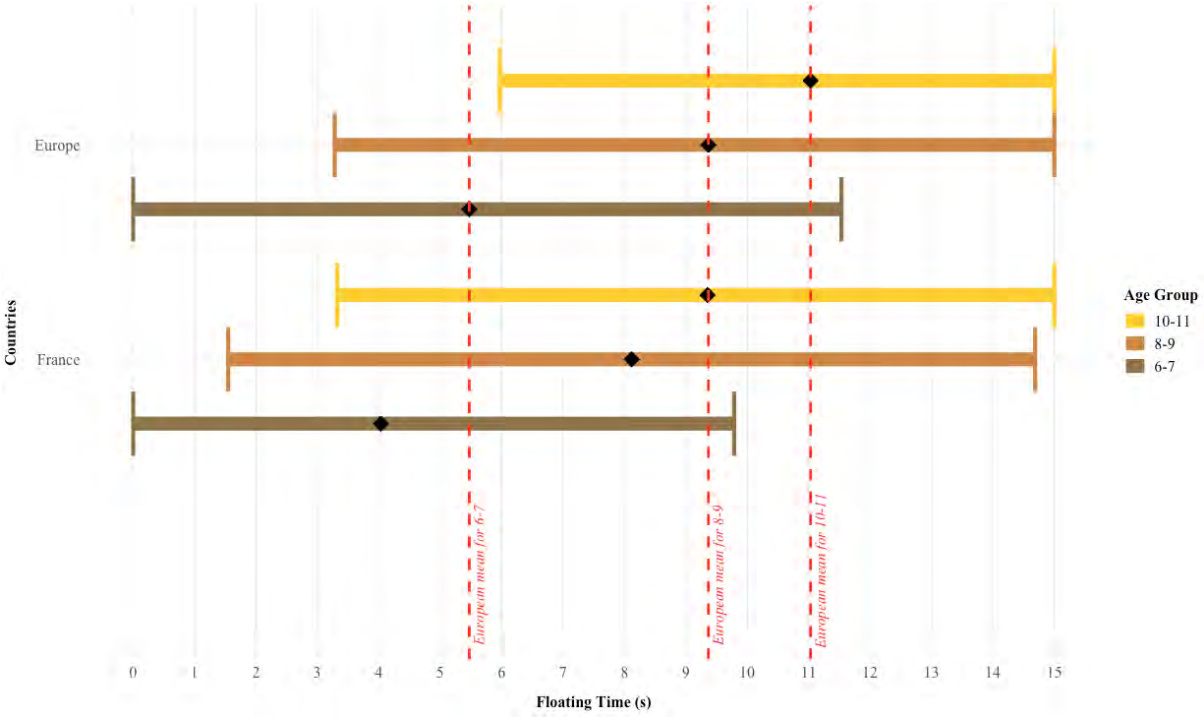


Figure 257. Distribution of the Floating according to the Age Group in Europe and in France (Mean±SD).

Table 441. Comparative Analysis of the Floating in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	199	502	8.78^{e-04} ***	0.12 [a]	0.82 [3]
	8-9 yo	230	805	9.56^{e-03} **	0.08 [a]	0.54 [2]
	10-11 yo	99	647	0.06	0.06 [a]	0.22 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 442. Comparative Analysis of the Floating in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	199	230		2.12^{e-11} ***	0.31 [b]	1 [4]
	8-9 yo *vs* 10-11 yo		230	99	0.03 *	0.11 [a]	0.46 [1]
	6-7 yo *vs* 10-11 yo	199		99	9.5^{e-15} ***	0.41 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

i. Rotations

Overview

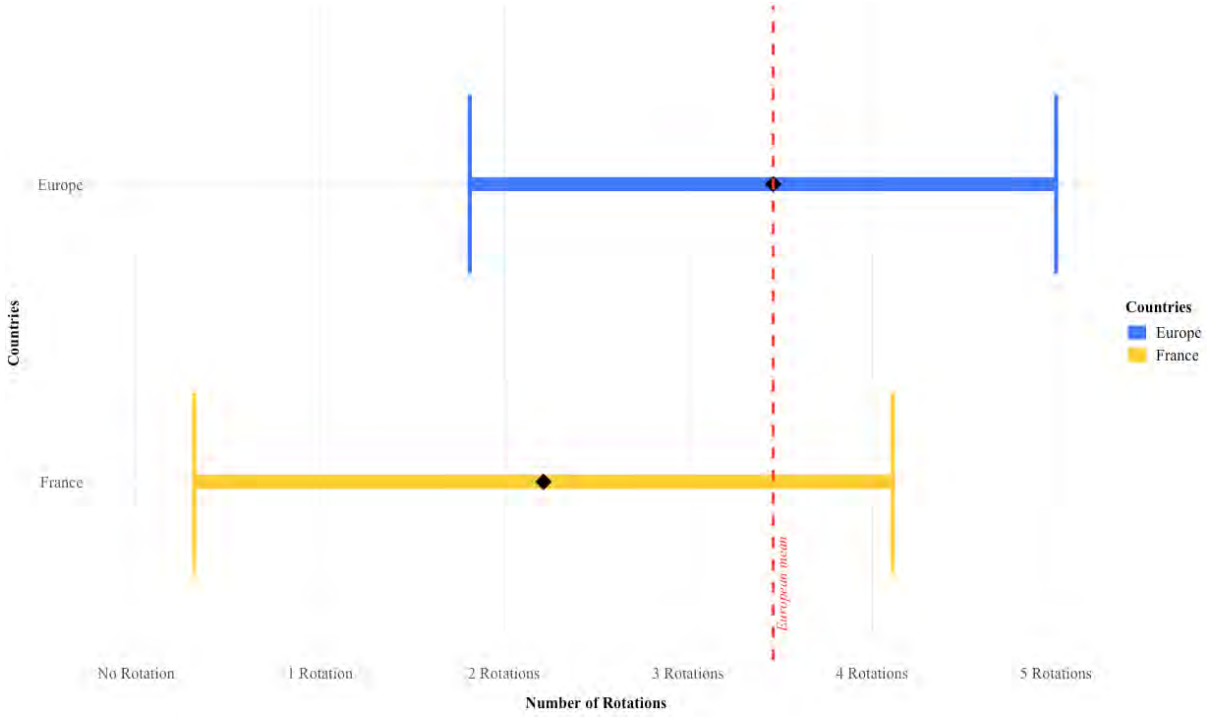


Figure 258. Distribution of the Rotations in Europe and in France (Mean±SD).

Table 443. Comparative Analysis of the Rotations in France *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (France)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
France *vs* Europe	496	1,484	1.12^{e-36} ***	0.58 [c]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

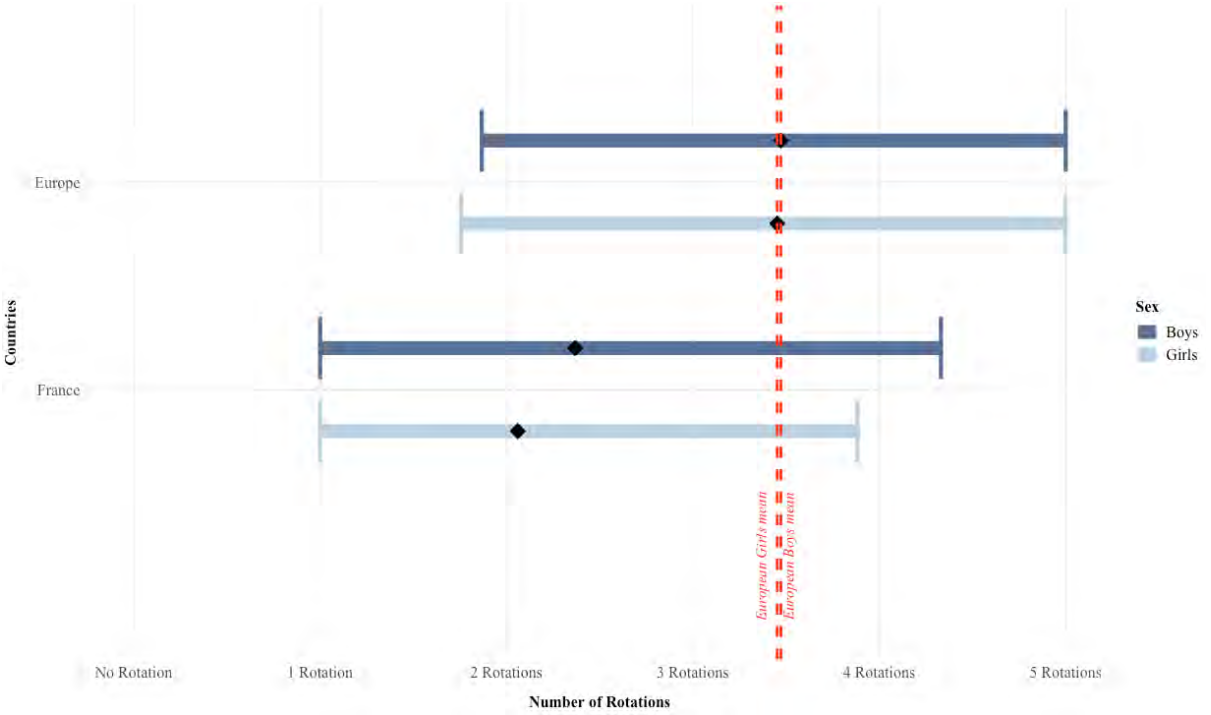


Figure 259. Distribution of the Rotations according to the Sex in Europe and in France (Mean±SD).

Table 444. Comparative Analysis of the Rotations in France *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	Boys	247	763	1.09^{e-14} ***	0.24 [b]	1 [4]
	Girls	249	721	8.45^{e-24} ***	0.31 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 445. Comparative Analysis of the Rotations in France according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
France	Boys *vs* Girls	247	249	0.1	0.07 [a]	0.36 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

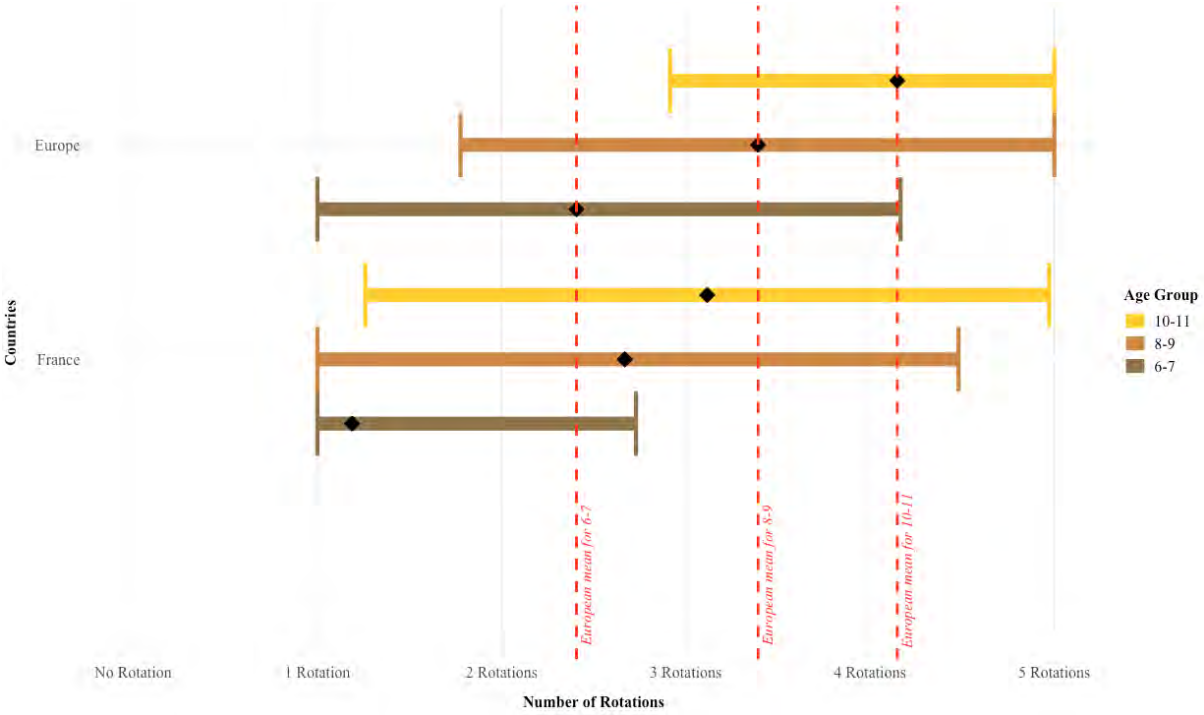


Figure 260. Distribution of the Rotations according to the Age Group in Europe and in France (Mean±SD).

Table 446. Comparative Analysis of the Rotations in France *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (France)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
France *vs* Europe	6-7 yo	181	320	3.85^{e-14} ***	0.33 [b]	1 [4]
	8-9 yo	220	608	2.46^{e-07} ***	0.17 [a]	0.99 [4]
	10-11 yo	95	556	1.89^{e-07} ***	0.19 [a]	0.93 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 447. Comparative Analysis of the Rotations in France according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
France	6-7 yo *vs* 8-9 yo	181	220		6.33^{e-16} ***	0.39 [b]	1 [4]
	8-9 yo *vs* 10-11 yo		220	95	0.03 *	0.12 [a]	0.5 [2]
	6-7 yo *vs* 10-11 yo	181		95	2.45^{e-15} ***	0.46 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

E. National Strengths and Weaknesses

a. General overview

Tests	Strengths	Weaknesses
Parental questionnaire	*NA*	✗ Parental education ✗ Number of lessons taken at school ✗ Number of lessons taken out-of-school
Child questionnaire	✓ Perceived breathing ✓ Enjoyment during swimming lessons at school ✓ Enjoyment during swimming lessons at school with friends ✓ High risk in the swimming pool	✗ Intrinsic motivation ✗ Identified motivation ✗ Confidence in deep water ✗ Perceived entry in the water ✗ Perceived exit from the water ✗ Perceived rotations ✗ Perceived treading water ✗ Perceived propulsion on the back ✗ Perceived submersion ✗ Enjoyment during swimming lessons out-of-school with friends ✗ Opportunities to do (more) diving ✗ Opportunities to do (more) activity 2 ✗ Low risk in open
Isolated tasks	*NA*	✗ Entry in the water ✗ Propulsion on the belly ✗ Propulsion in the back ✗ Submersion ✗ Breathing ✗ Treading water ✗ Floating ✗ Rotations

b. Analyse by sex in France *vs* Europe

Tests	Strengths	Weaknesses
Parental questionnaire	*NA*	✗ Number of lessons taken at school (in Boys & Girls) ✗ Number of lessons taken out-of-school (in Boys & Girls)
Child questionnaire	✓ Perceived breathing (in Boys) ✓ Enjoyment during swimming lessons at school (in Boys & Girls) ✓ Enjoyment during swimming lessons at school with friends (in Boys & Girls) ✓ Opportunities to do (more) activity 1 (in Boys) ✓ Opportunities to do (more) activity 2 (in Boys) ✓ Opportunities to do (more) activity 4 (in Boys) ✓ High risk in the swimming pool (in Boys & Girls)	✗ Intrinsic motivation (in Girls) ✗ Identified motivation (in Girls) ✗ Confidence in deep water (in Girls) ✗ Perceived entry in the water (in Girls) ✗ Perceived exit from the water (in Boys & Girls) ✗ Perceived rotations (in Boys & Girls) ✗ Perceived treading water (in Girls) ✗ Perceived propulsion on the back (in Girls) ✗ Perceived on the belly (in Girls) ✗ Perceived submersion (in Boys & Girls) ✗ Enjoyment during swimming lessons out-of-school with friends ✗ Opportunities to do (more) water polo (in Girls) ✗ Opportunities to do (more) artistic swimming (in Boys) ✗ Opportunities to do (more) activity 2 (in Girls) ✗ Low risk in open water (in Boys)
Isolated tasks	*NA*	✗ Entry in the water (in Girls) ✗ Propulsion on the belly (in Boys & Girls) ✗ Propulsion on the back (in Boys & Girls) ✗ Submersion (in Boys & Girls) ✗ Breathing (in Boys & Girls) ✗ Treading water (in Boys & Girls) ✗ Floating (in Boys & Girls) ✗ Rotations (in Boys & Girls)

c. Analyse of boys and girls' strengths and weaknesses in France

Tests	Boys > Girls	Boys < Girls
Parental questionnaire	*NA*	*NA*
Child questionnaire	☑ Confidence in deep water ☑ Perceived entry in the water ☑ Perceived exit from the water ☑ Perceived rotations ☑ Perceived breathing ☑ Perceived treading water ☑ Perceived propulsion on the back ☑ Perceived propulsion on the belly ☑ Perceived submersion ☑ Opportunity to do (more) water polo ☑ Opportunity to do (more) diving ☑ Opportunity to do (more) activity 1 ☑ Opportunity to do (more) activity 2 ☑ Opportunity to do (more) activity 3 ☑ Opportunity to do (more) activity 4	✗ Opportunity to do (more) artistic swimming
Isolated tasks	☑ Entry in the water ☑ Exit from the water	

d. Analyse by age group in France *vs* Europe

Tests	Strengths	Weaknesses
Parental questionnaire	*NA*	✗ Number of swimming lessons taken at school(in all age groups) ✗ Number of swimming lessons out-of-school (in all age groups)
Child questionnaire	☑ Perceived breathing (in 8-9) ☑ Enjoyment during swimming lessons at school (in all age groups) ☑ Enjoyment during swimming lessons at school with friends (in all age groups) ☑ High risk in the swimming pool (in all age groups) ☑ High risk in open water (in 10-11)	✗ Intrinsic motivation (in 10-11) ✗ Identified motivation (in 6-7 & 10-11) ✗ Confidence in deep water (in 10-11) ✗ Perceived exit from the water (in all age groups) ✗ Perceived rotations (in all age groups) ✗ Perceived treading water (in 8-9) ✗ Perceived propulsion on the back (in all age groups) ✗ Perceived submersion (in 8-9 & 10-11) ✗ Enjoyment during the swimming lessons out-of-school with friends (in 6-7) ✗ Opportunities to do (more) water polo (in 10-11) ✗ Opportunities to do (more) artistic swimming (in 8-9 & 10-11) ✗ Opportunities to do (more) diving (in 6-7 & 10-11) ✗ Low risk in the swimming pool (in 10-11) ✗ Low risk in open water (in 10-11)
Isolated tasks	☑ Entry in the water (in 8-9) ☑ Exit from the water (in 6-7 & 8-9)	✗ Entry in the water (in 6-7) ✗ Exit from the water (in 10-11) ✗ Propulsion on the belly (in all age groups) ✗ Propulsion on the back (in all age groups) ✗ Submersion (in all age groups) ✗ Breathing (in all age groups) ✗ Treading water (in all age groups) ✗ Floating (in 6-7 & 8-9) ✗ Rotation (in all age groups)

e. Analyse of age groups in France

Tests	Positive evolution	Negative evolution	Neutral evolution	Chaotic evolution
Parental questionnaire	↗↗ Number of swimming lessons taken at school ↗ ➡ Number of swimming lessons out-of-school			*NA*
Child questionnaire	↗↗ Perceived entry in the water ↗ ➡ Perceived exit from the water ↗ ➡ Perceived rotations ↗ ➡ Perceived propulsion on the back ↗ ➡ Perceived floating ↗ ➡ Opportunities to do (more) diving ↗ ➡ Opportunities to do (more) water sport 2 ➡ ↗ High risk in the swimming pool ↗ Low risk in open water ↗ ➡ High risk in open water	↘ Intrinsic motivation ↘ Opportunities to do (more) artistic swimming ➡ ↘ Enjoyment during swimming lessons at school ➡ ↘ Enjoyment during swimming lessons at school with friends ➡ ↘ Opportunities to do (more) Water Polo	➡ Identified motivation ➡ Confidence in deep water ➡ Perceived breathing ➡ Perceived treading water ➡ Perceived propulsion on the belly ➡ Perceived submersion ➡ Enjoyment during swimming lessons out-of-school ➡ Enjoyment during swimming lessons out-of-school with friends ➡ Enjoyment while playing in the swimming pool ➡ Enjoyment while playing in the swimming pool with friends ➡ Enjoyment playing in the swimming pool with family ➡ Opportunities to do (more) swimming races ➡ Opportunities to do (more) water sport 1 ➡ Opportunities to do (more) water sport 3 ➡ Opportunities to do (more) water sport 4 ➡ Low risks in swimming pool	*NA*
Isolated tasks	↗ ➡ Entry in the water ↗ ➡ Exit from the water ↗↗ Propulsion on the belly ↗↗ Propulsion on the back ↗↗ Submersion ↗↗ Breathing ↗↗ Treading water ↗↗ Floating ↗↗ Rotation			*NA*

F. Recommendations

f. Curriculum management

- **A ceiling effect of the compulsory « learn-to-swim » test**

The *"Attestation de Savoir Nager en Sécurité"* (*ASNS*; Certificate of Safe "Can Swim") test is a water safety test that all French schoolchildren must pass before leaving school. Recently, this test was officially adopted by all French educational bodies (the Ministry of National Education, the French Swimming Federation, other French aquatic federations, etc.). However, although this test is compulsory all children and certifies children's ability to "evolve safely" in the water, it is not a foolproof protection against drowning during aquatic activities, as shown by the weaknesses of French children in the isolated tasks. Therefore, **communication should be reconsidered regarding the precautions to take after obtaining the ASNS certificate** (i.e., continuing swimming lessons, regularly practicing in aquatic environments to maintain motor skills, etc.).

g. Timetable

- **Strengthening swimming education at the youngest ages (4–7), particularly in terms of the number of lessons provided.**

The comparative analysis of French results by age group has revealed shortcomings across all aquatic motor tasks compared with their European counterparts. These differences are even more pronounced among the youngest populations (ages 6–7). In order to provide better protection from an early age, the number of lessons for young children (starting at age 4) should be increased, with continuity ensured at least until age 7 (the age group most affected by drownings). The national test (ASNS) should be administered at this age to encourage primary schools to schedule a significant number of lessons for the 4–7 age group and propose significant contents to protect children.

h. Localisation and equipment

- **Allocate greater financial and structural resources to implement swimming education programs.**

Although France is one of the few countries in the world to make swimming education compulsory for all schoolchildren, the number of lessons provided still falls far short of European standards. It is particularly surprising that in France, the number of lessons is lower than in countries where swimming instruction is not even compulsory. A plausible explanation is the difficulty of accessing pools during school hours, either due to financial costs or the time required to travel to facilities that are too far away or unavailable. It is therefore necessary to reconsider school budgets in order to give all French children access to

swimming instruction—on the same level of importance as learning to read or to count—as recommended by official educational guidelines.

i. Staff

- **Improve the training of primary school teachers in "learn-to-swim" instruction.**

In French primary schools, swimming education is mostly taught by primary school teachers. However, not all of them are trained to teach this discipline. This may partly explain why young French children perform significantly worse in basic aquatic motor tasks compared to their European counterparts. Even though some positive progress can be observed, the very low performance level at ages 6–7 is never fully caught up by age 12. Therefore, initial and continuing training of teaching "Can Swim" for primary school teachers should be strengthened, particularly to develop children's basic aquatic motor skills.

- **Provide better training for professionals to maintain children's motivation and confidence in, on, and around water at all ages.**

Results showed that although children enjoy swimming lessons at school, their motivation and confidence in learning tend to decrease or stagnate as they grow older. To address this, more playful, student-centered teaching approaches should be introduced. These pedagogical changes will be made possible through greater support and guidance for teaching teams.

- **Pay particular attention to girls and boys for different reasons.**

The results revealed significant sex differences in favor of boys, particularly regarding confidence in aquatic environments, self-perception of competence, and openness to diverse aquatic activities. However, motor skill levels are identical between the sexes. The higher confidence and self-perceived competence of boys may lead to overestimations, which are known risk factors for accidents. Conversely, girls tend to be less motivated and less confident, raising questions about their lived experience in swimming lessons. Therefore, particular care must be taken, and professionals should receive better training to foster self-determination, self-confidence, and a sense of competence among young French girls in, on, and around water.

j. Assessment

- **Include self-assessment in the national "Can Swim" test**

The results highlight a higher perception of competence among boys compared to girls across many tasks. They also reveal an inability in both sexes to distinguish between high-risk and low-risk situations. These findings call for a reconsideration of children's perception of

their own abilities and suggest the need to incorporate more tasks requiring self-assessment and decision-making during action within evaluation situations.

k. Contents

- **Educate about risk gradation in, on, and around water**

Although young French children perform relatively well when evaluating risky situations in swimming pool and open water, they have more difficulty assessing situations that do not actually present risks. Their lack of confidence in deep water and their limited mastery of the full range of aquatic motor skills may partly explain this result. However, this lack of knowledge may prevent them from engaging in aquatic environments and thus from developing the skills necessary to ensure safety. These findings suggest the need to design more situations requiring children to identify relevant environmental elements that signal real risks, as well as to rank the level of danger in a situation. Such teaching content would allow them to face objective risks in a reasoned and safe manner.

- **Refocus teaching content on the basic motor repertoire**

As mentioned earlier, French children perform significantly worse in all basic aquatic skills. These results call for a strong reconsideration of foundational training, with greater emphasis on acquiring priority motor skills that will facilitate future learning. The significantly lower performance in floating and entry in the water tasks from the earliest age group highlights that the ability to let oneself be supported by water must become a priority objective at this stage (ages 6–7), as it may explain the delay observed in other tasks across all age groups.

- **Broaden opportunities for aquatic practice**

Introducing children to a wider range of aquatic sports and activities should also be encouraged in order to motivate them to learn to swim as a means of accessing these activities.

CHAPTER 5. Aquatic Literacy level in Germany

A. Representative sample of the country

German cities participating in the study

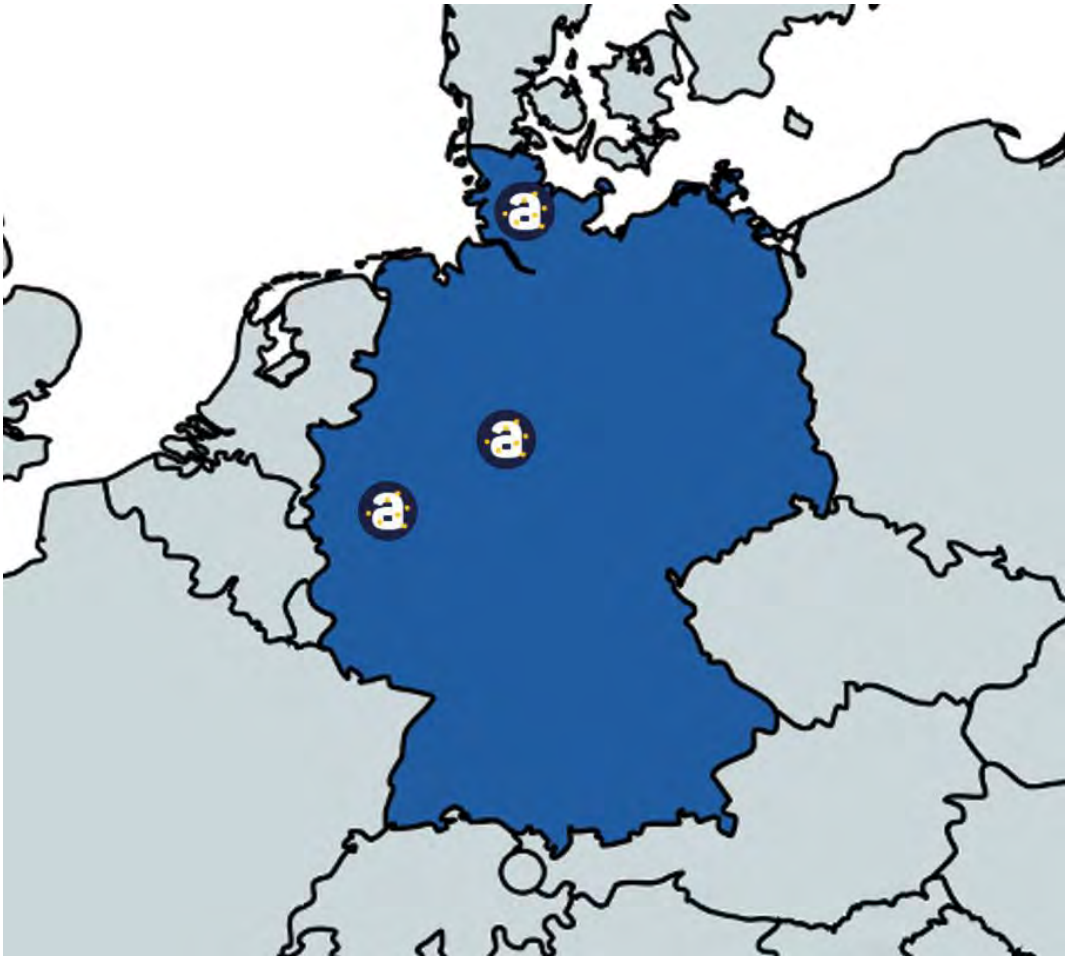


Figure 261. German cites participating in the study.

Figure 261 presents the German cities that took part in the study. 3 cities participated: Cologne, Flensburg, Kassel.

Rounded numbers

Table 448. Number of participants for each part of the test in Germany and in Europe.

	Parental questionnaire *n=*	**Child questionnaire** *n=*	**Isolated tasks test** *n=*
Germany	575	566	492
Europe	2,562	2,450	2,039
Total	**3,137**	**3,016**	**2,531**

Notes. Europe represents the other countries participating in the study (i.e., Belgium, France, Lithuania, Norway, Poland and Portugal).

Table 448. Number of participants for each part of the test in Germany and in Europe. presents the number of respondents for each part of the test.

Samples

Table 449. Representativity of the sample according to the sex and the age group in each part of the test for the German sample.

		Parental questionnaire *n= (%)*	**Child questionnaire** *n= (%)*	**Isolated tasks test** *n= (%)*
Sex	**Boys**	296	291	250
	Girls	279	275	242
Age group	**6-7 yo**	108	108	85
	8-9 yo	181	179	159
	10-12 yo	286	279	248

Notes. *yo=year-olds*

Table 450. Representativity of the sample according to the sex and the age group in each part of the test for the European sample.

		Parental questionnaire *n= (%)*	**Child questionnaire** *n= (%)*	**Isolated tasks test** *n= (%)*
Sex	**Boys**	1,1285	1,227	1,030
	Girls	1,277	1,223	1,009
Age group	**6-7 yo**	872	806	636
	8-9 yo	1,061	1,023	884
	10-12 yo	629	621	519

Notes. *yo=year-olds*

Table 449 presents the representative German sample according to the sex and the age group in each part of the test, and **Table 450** the European representative sample.

B. Parental questionnaire

Descriptive statistics

Table 451. Number of caregivers answering to the different question of the questionnaire.

Country	Sex	Age group	Parental education (n=)	Number of lessons at school (n=)	Number of lessons out of school (n=)	Do parents can swim? (n=)
Europe	Boys	6-7	387	363	376	407
		8-9	517	471	505	564
		10-11	289	250	265	303
	Girls	6-7	422	406	420	458
		8-9	450	421	434	488
		10-11	296	262	284	320
Germany	Boys	6-7	53	49	51	54
		8-9	81	81	82	92
		10-11	142	126	138	148
	Girls	6-7	48	51	51	53
		8-9	79	79	84	89
		10-11	130	112	122	135
Total			**2,894**	**2,671**	**2,812**	**3,111**

Notes. Europe: Belgium, France Lithuania, Norway, Poland and Portugal.

Table 452. Descriptive analyse of the parental questionnaire.

Country	Sex	Age group	Parental education Mean (±SD)	Number of lessons at school Mean (±SD)	Number of lessons out-of-school Mean (±SD)	Do parents can swim? Mean (±SD)
Europe	Boys	6-7	4.57 (±0.89)	1.72 (±1.24)	2.47 (±1.67)	1.4 (±0.69)
		8-9	4.47 (±0.91)	2.68 (±1.54)	2.66 (±1.73)	1.37 (±0.7)
		10-11	4.48 (±0.94)	3.3 (±1.66)	2.83 (±1.73)	1.4 (±0.64)
	Girls	6-7	4.51 (±0.87)	1.84 (±1.29)	2.49 (±1.74)	1.35 (±0.71)
		8-9	4.43 (±1)	2.53 (±1.5)	2.67 (±1.76)	1.41 (±0.68)
		10-11	4.32 (±1.06)	3.68 (±1.58)	2.91 (±1.8)	1.46 (±0.65)
Germany	Boys	6-7	4.21 (±1.19)	1.54 (±1.21)	2.28 (±1.5)	1.5 (±0.67)
		8-9	4.24 (±1.05)	2.36 (±1.55)	2.6 (±1.68)	1.53 (±0.66)
		10-11	4.52 (±0.91)	3.43 (±1.54)	3.41 (±1.62)	1.61 (±0.63)
	Girls	6-7	4.32 (±1.14)	1.59 (±1.21)	2.46 (±1.71)	1.57 (±0.64)
		8-9	4.32 (±0.93)	2.3 (±1.6)	2.56 (±1.75)	1.41 (±0.71)
		10-11	4.52 (±0.96)	3.19 (±1.51)	3.34 (±1.61)	1.62 (±0.59)

Notes. Europe: Belgium, France, Lithuania, Norway, Poland and Portugal.

a. Parental Education

Overview

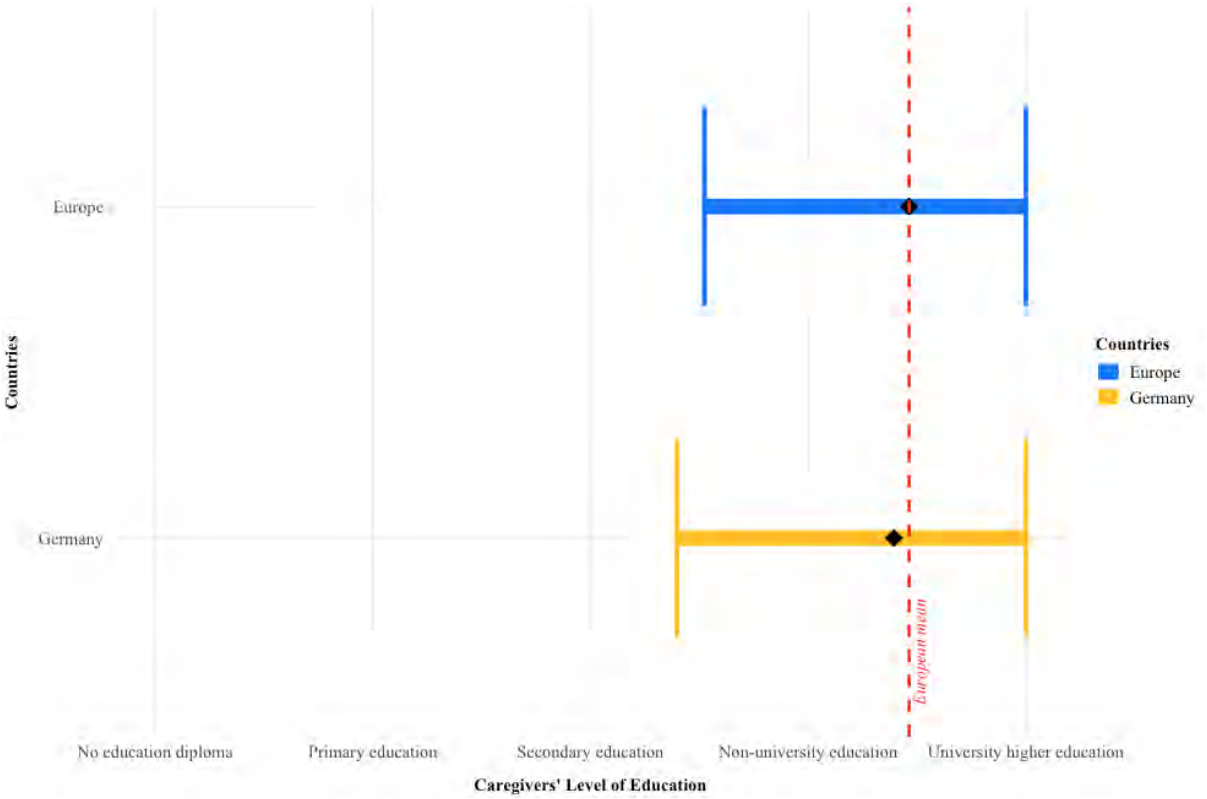


Figure 262. Distribution of the Caregivers' Level of Education in Europe and in Germany (Mean±SD).

Table 453. Comparative Analysis of Caregivers' Level of Education in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	533	2,361	0.09	0.05 [a]	0.19 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

b. Number of lessons in school

Overview

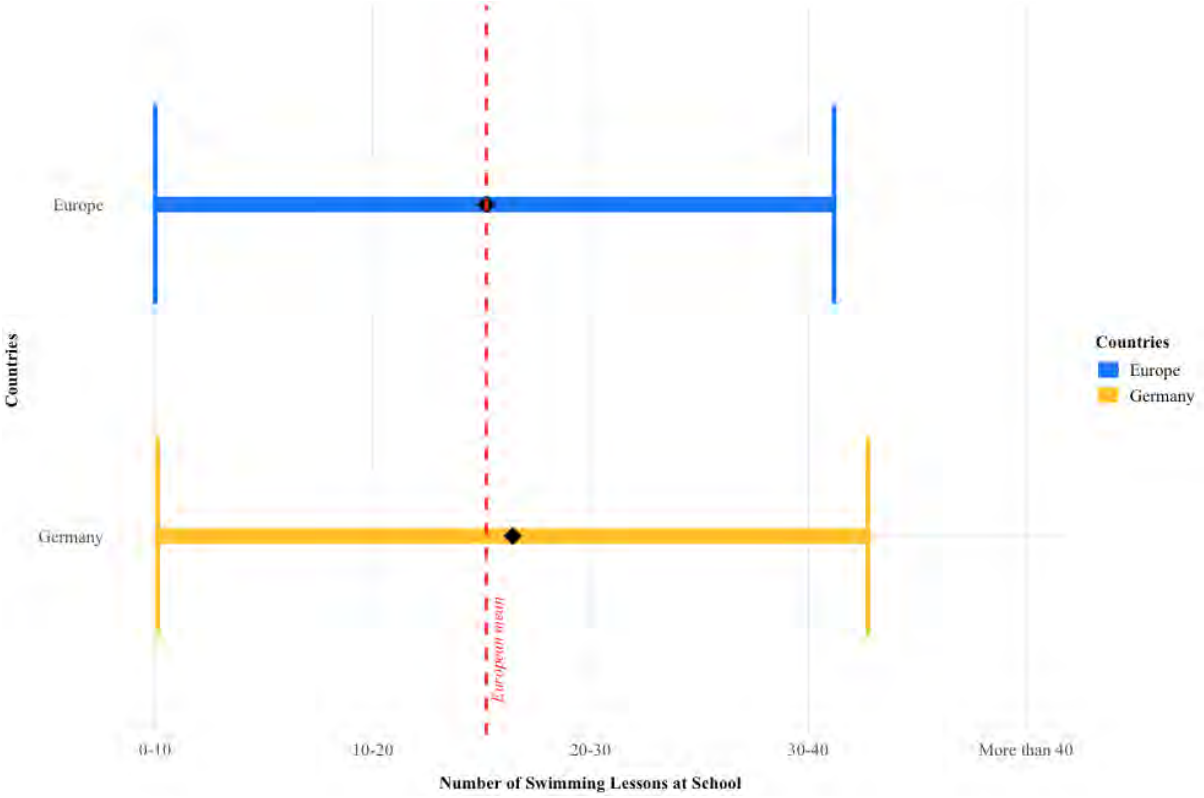


Figure 263. Distribution of the the Number of Lessons at School in Europe and in Germany (Mean±SD).

Table 454. Comparative Analysis of the Number of Lessons at School in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	498	2,173	0.14	0.05 [a]	0.19 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

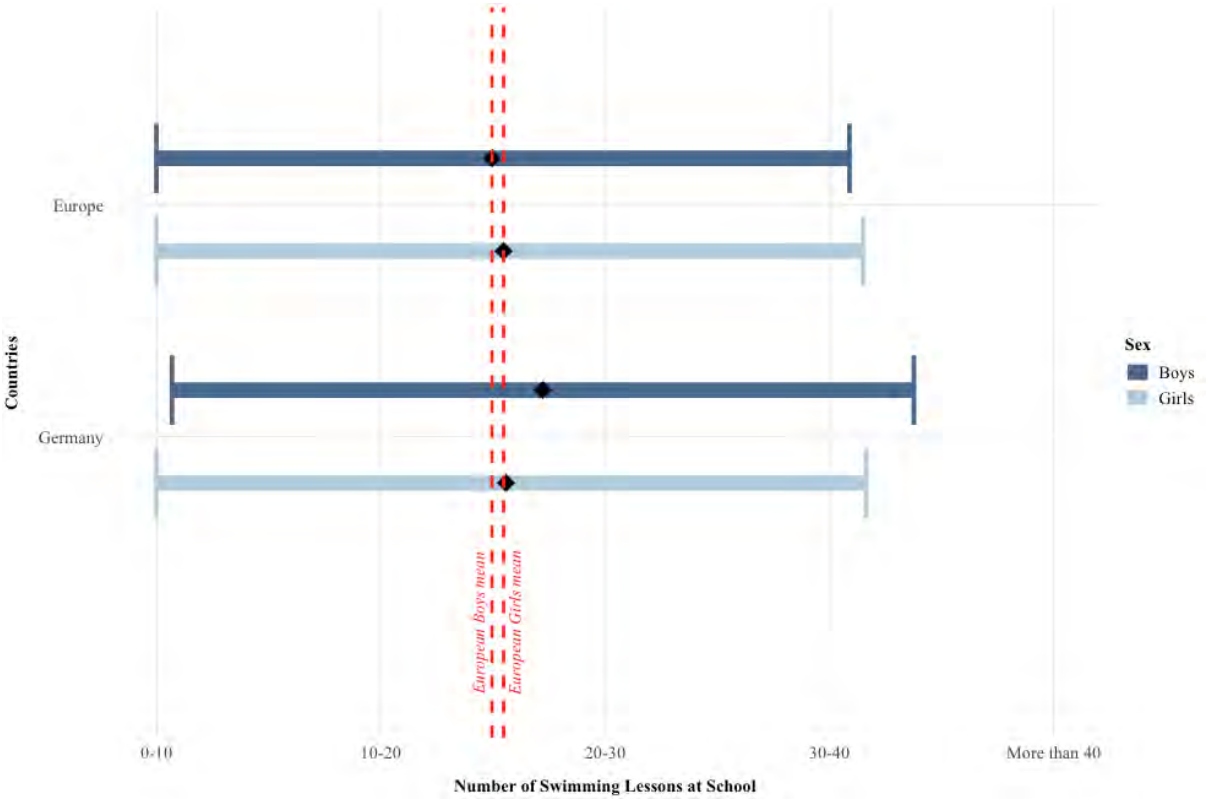


Figure 264. Distribution of the the Number of Lessons at School according to the Sex in Europe and in Germany (Mean±SD).

Table 455. Comparative Analysis of the Number of Lessons at School in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	256	1,084	0.05 *	0.05 [a]	0.32 [1]
	Girls	242	1,089	0.94	0.002 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 456. Comparative Analysis of the Number of Lessons at School in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	256	242	0.28	0.05 [a]	0.18 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

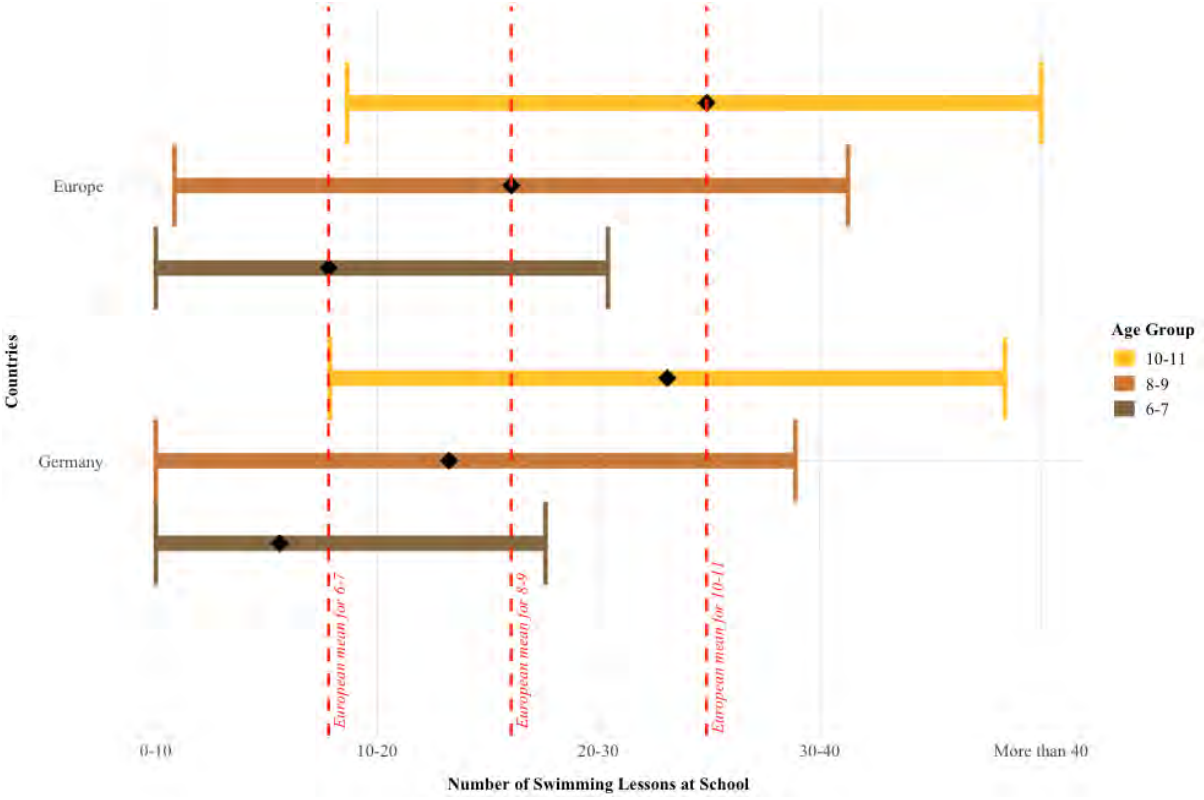


Figure 265. Distribution of the the Number of Lessons at School according to the Age Group in Europe and in Germany (Mean±SD).

Table 457. Comparative Analysis of the Number of Lessons at School in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	**Age Group**	**n** (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	6-7 yo	100	769	0.02 *	0.07 [a]	0.24 [1]
	8-9 yo	160	892	0.01 *	0.07 [a]	0.41 [1]
	10-11 yo	238	512	0.1	0.06 [a]	0.31 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 458. Comparative Analysis of the Number of Lessons at School in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	**Age Group**	**n** (6-7 yo)	**n** (8-9 yo)	**n** (10-11 yo)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany	6-7 yo *vs* 8-9 yo	100	160		4.98^{e-06} ***	0.25	0.98 [4]
	8-9 yo *vs* 10-11 yo		160	238	7.65^{e-10} ***	0.3	1 [4]
	6-7 yo *vs* 10-11 yo	100		238	4.49^{e-21} ***	0.49	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

c. Number of lessons out-of-school

Overview

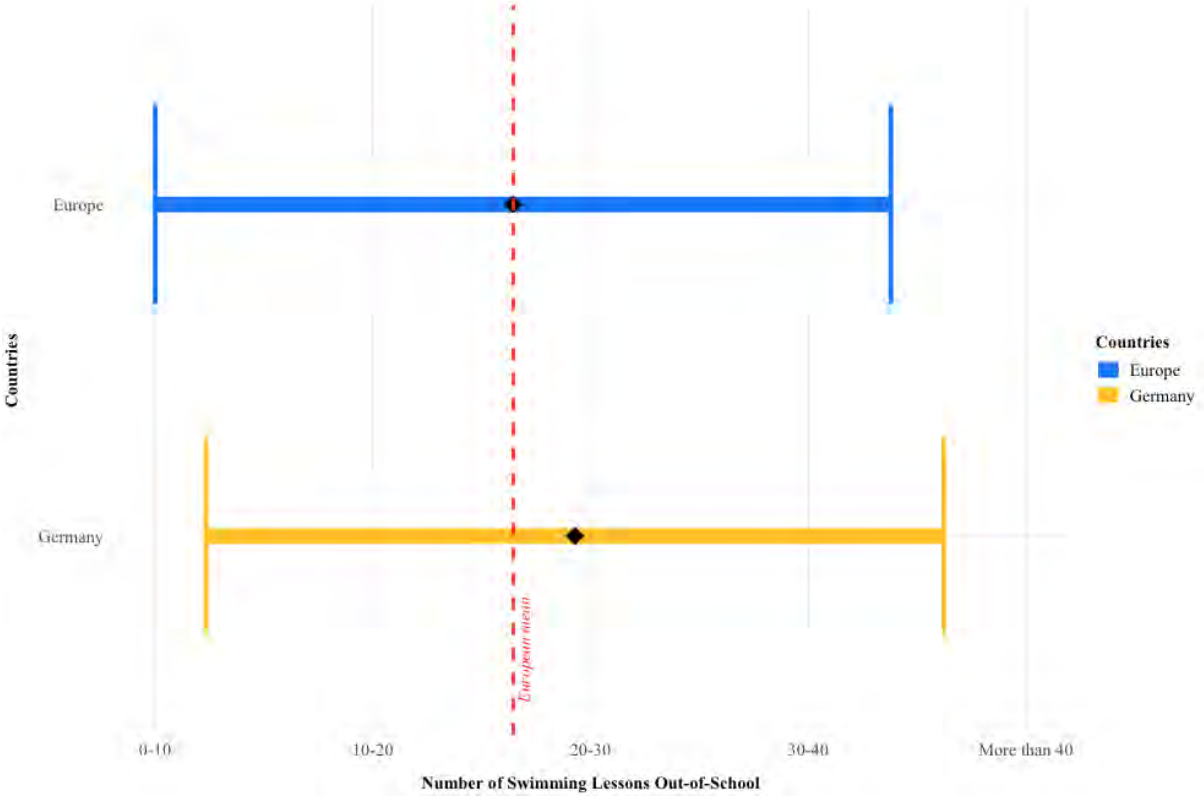


Figure 266. Distribution of the the Number of Lessons Out-of-School in Europe and in Germany (Mean±SD).

Table 459. Comparative Analysis of the Number of Lessons Out-of-School in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	528	2,284	5.5^{e-04} ***	0.12 [a]	0.72 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

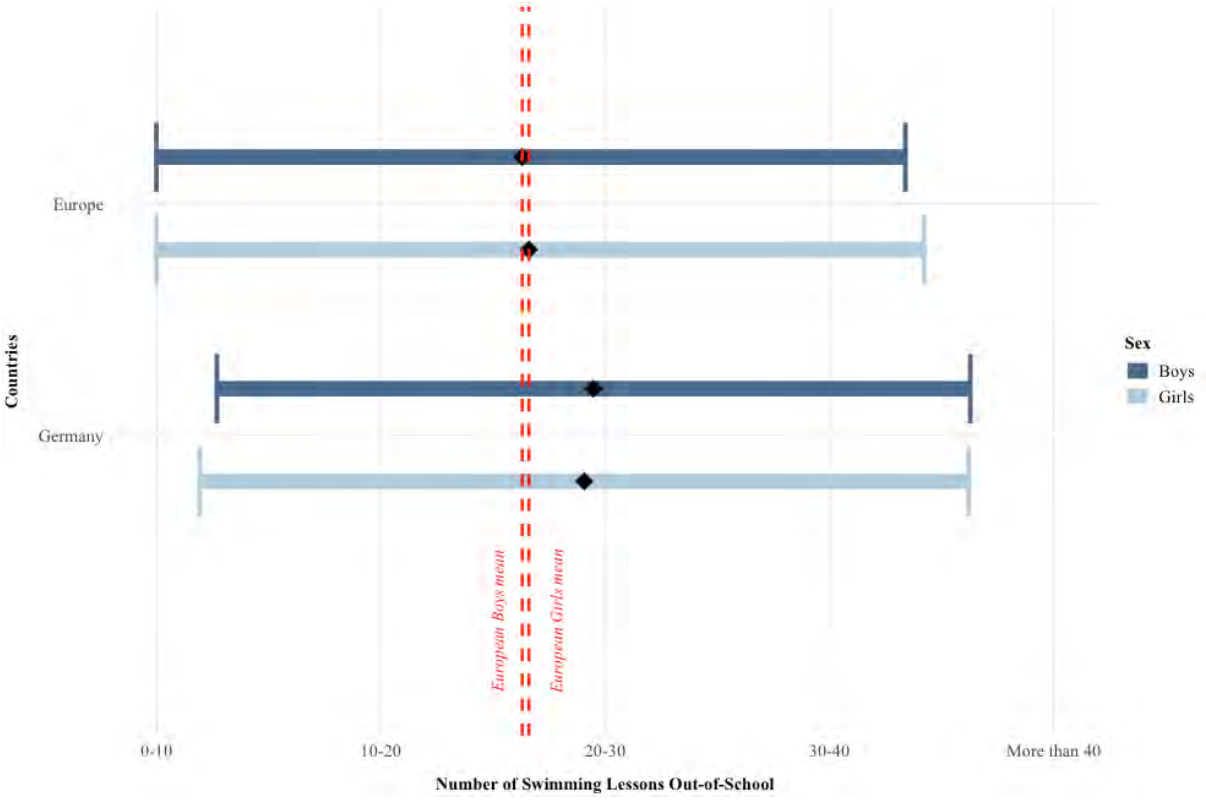


Figure 267. Distribution of the the Number of Lessons Out-of-School according to the Sex in Europe and in Germany (Mean±SD).

Table 460. Comparative Analysis of the Number of Lessons Out-of-School in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	271	1,146	0.007 **	0.07 [a]	0.52 [2]
	Girls	257	1,138	0.03 *	0.07 [a]	0.37 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 461. Comparative Analysis of the Number of Lessons Out-of-School in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	271	257	0.85	0.008 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

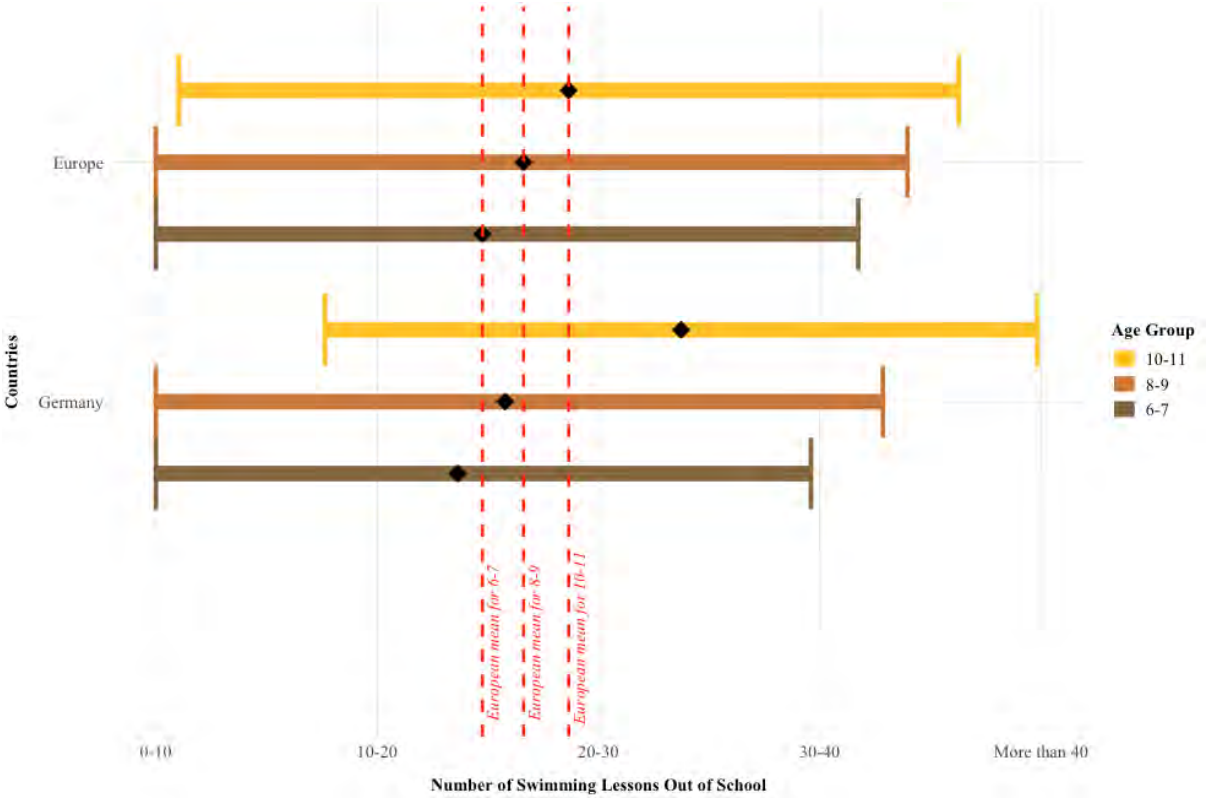


Figure 268. Distribution of the the Number of Lessons Out-of-School according to the Age Group in Europe and in Germany (Mean±SD).

Table 462. Comparative Analysis of the Number of Lessons Out-of-School in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	102	796	0.59	0.02 [a]	0.06 [1]
	8-9 yo	166	939	0.6	0.01 [a]	0.06 [1]
	10-11 yo	260	549	1.68^{e-04} ***	0.13 [a]	0.92 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 463. Comparative Analysis of the Number of Lessons Out-of-School in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	102	166		0.31	0.06 [a]	0.15 [1]
	8-9 yo *vs* 10-11 yo		166	260	3.42^{e-06} ***	0.22 [a]	0.99 [4]
	6-7 yo *vs* 10-11 yo	102		260	1.95^{e-07} ***	0.26 [a]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

d. Do parents/caregivers know to swim?

Overview

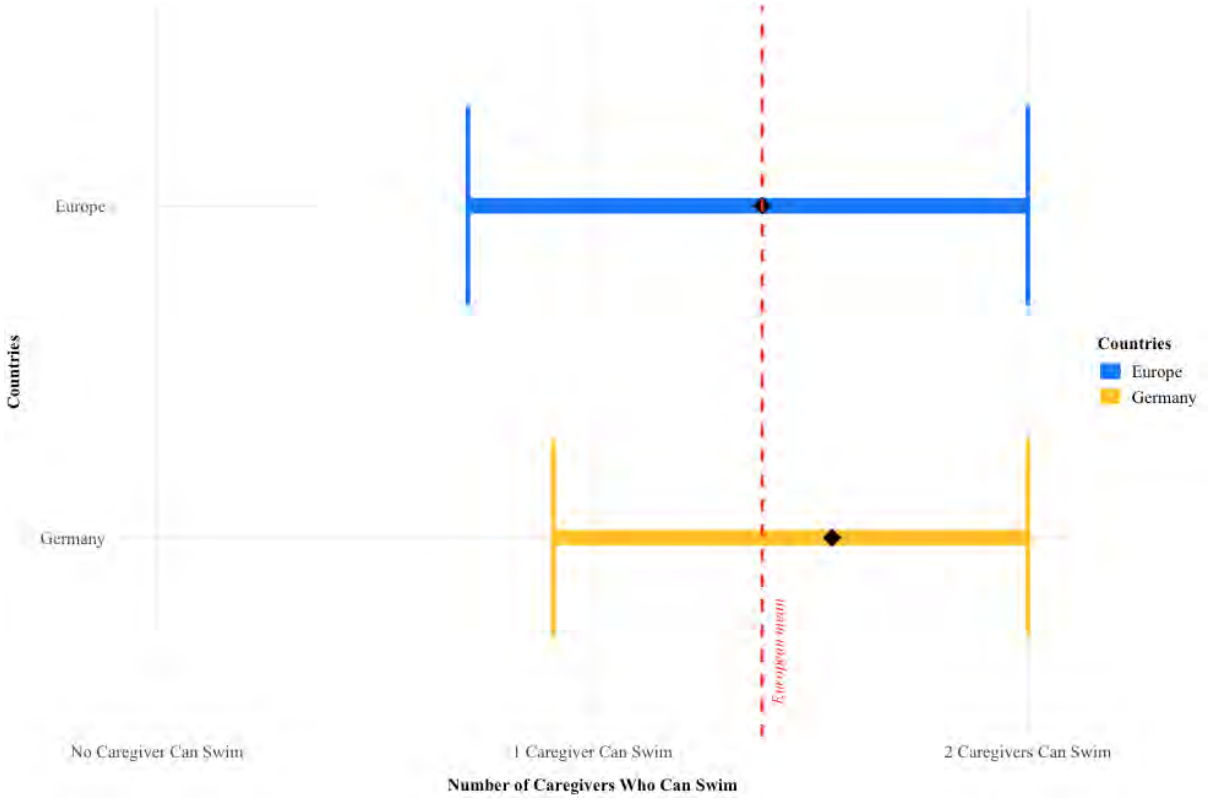


Figure 269. Distribution of the the Number of Caregivers Who Can Swim in Europe and in Germany (Mean±SD).

Table 464. Comparative Analysis of the Number of Caregivers Who Can Swim in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	571	2,540	4.29^{e-08}	0.18 [a]	0.97 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

C. Child questionnaire

Descriptive analysis

Table 465. Number of children answering to the child questionnaire

Country	Sex	Age group	Intrinsic motivation (n=)	Identified motivation (n=)	Confidence in deep water (n=)	Perceived entry (n=)	Perceived exit (n=)
Europe	Boys	6-7	377	377	375	338	345
		8-9	549	549	546	501	500
		10-11	297	297	296	275	276
	Girls	6-7	423	423	420	398	400
		8-9	471	472	470	433	445
		10-11	323	323	317	302	305
Germany	Boys	6-7	54	54	51	50	53
		8-9	91	91	89	88	88
		10-11	146	146	146	145	144
	Girls	6-7	54	54	53	51	52
		8-9	88	87	87	86	86
		10-11	133	133	132	128	131
Total			**3,006**	**3,006**	**2,982**	**2,795**	**2,825**

Country	Sex	Age group	Perceived rotation (n=)	Perceived breathing (n=)	Perceived treading (n=)	Perceived back propulsion (n=)	Perceived belly propulsion (n=)
Europe	Boys	6-7	317	352	353	347	345
		8-9	460	520	517	508	507
		10-11	247	276	281	278	271
	Girls	6-7	372	396	398	397	392
		8-9	406	442	448	436	442
		10-11	276	297	302	297	297
Germany	Boys	6-7	52	50	48	49	49
		8-9	87	91	88	84	87
		10-11	143	144	145	143	143
	Girls	6-7	51	51	48	47	47
		8-9	82	87	84	86	85
		10-11	125	132	132	130	132
Total			**2,618**	**2,838**	**2,844**	**2,802**	**2,787**

Country	Sex	Age group	Perceived submersion (n=)	Perceived floatation (n=)	Like lessons at school (n=)	Like lessons at school with friends (n=)	Like lessons out-of- school (n=)
Europe	Boys	6-7	344	349	217	220	252
		8-9	508	509	427	434	367
		10-11	274	277	250	254	210
	Girls	6-7	394	393	257	263	303
		8-9	439	444	355	357	301
		10-11	296	299	296	299	221
Germany	Boys	6-7	50	47	26	26	43
		8-9	87	87	69	69	78
		10-11	144	142	134	135	131
	Girls	6-7	49	47	31	32	46
		8-9	85	84	72	74	71
		10-11	131	132	126	127	112
Total			**2,801**	**2,810**	**2,260**	**2,290**	**2,135**

Notes. Europe: France, Germany, Lithuania, Norway, Poland and Portugal.

Table 465. Cont.

Country	Sex	Age group	Like lessons out-of- school with friends (n=)	Like paying in the pool (n=)	Like paying in the pool with friends (n=)	Like paying in the pool with family (n=)
Europe	Boys	6-7	269	357	352	353
		8-9	368	527	520	519
		10-11	209	291	285	281
	Girls	6-7	312	400	399	395
		8-9	319	464	455	451
		10-11	232	319	319	316
Germany	Boys	6-7	45	53	52	54
		8-9	78	87	83	91
		10-11	123	142	142	143
	Girls	6-7	50	52	52	53
		8-9	77	86	84	86
		10-11	111	128	129	128
Total			**2,195**	**2,906**	**2,872**	**2,870**

Country	Sex	Age group	Swimming Race (n=)	Water-Polo (n=)	Synchronised Swimming (n=)	Diving (n=)	Activity 1 (n=)	Activity 2 (n=)
Europe	Boys	6-7	363	364	356	358	357	359
		8-9	541	535	541	538	536	533
		10-11	292	290	287	286	286	284
	Girls	6-7	418	419	412	411	405	412
		8-9	469	464	463	462	462	463
		10-11	323	324	321	318	316	315
Germany	Boys	6-7	49	49	48	48	52	50
		8-9	86	88	87	88	90	90
		10-11	144	144	143	144	145	145
	Girls	6-7	49	48	48	49	52	50
		8-9	86	84	87	87	88	88
		10-11	133	132	130	131	133	131
Total			**2,953**	**2,941**	**2,923**	**2,920**	**2,922**	**2,920**

Country	Sex	Age group	Activity 3 (n=)	Activity 4 (n=)	Low risk in the pool (n=)	High risk in the pool (n=)	Low risk open water (n=)	High risk open water (n=)
Europe	Boys	6-7	354	357	369	368	369	369
		8-9	531	533	546	547	546	546
		10-11	287	286	293	292	290	290
	Girls	6-7	416	416	422	421	417	417
		8-9	461	465	473	472	472	472
		10-11	320	314	322	322	322	323
Germany	Boys	6-7	51	54	54	53	54	54
		8-9	89	90	91	91	91	91
		10-11	144	146	144	145	144	144
	Girls	6-7	48	51	54	54	54	53
		8-9	85	84	87	87	88	87
		10-11	130	130	133	133	133	133
Total			**2,916**	**2,926**	**2,988**	**2,985**	**2,980**	**2,979**

Notes. Europe: France, Germany, Lithuania, Norway, Poland and Portugal.

Table 466. Descriptive analyse of the child questionnaire.

Country	Sex	Age group	Intrinsic motivation Mean (±SD)	Identified motivation Mean (±SD)	Confidence in deep water Mean (±SD)	Perceived entry Mean (±SD)	Perceived exit Mean (±SD)
Europe	Boys	6-7	4.54 (±0.72)	4.18 (±0.86)	3.45 (±1.62)	3.85 (±1.6)	4.34 (±1.35)
		8-9	4.5 (±0.66)	4.13 (±0.81)	3.89 (±1.42)	4.17 (±1.35)	4.56 (±1.02)
		10-11	4.53 (±0.67)	4.24 (±0.73)	4.2 (±1.11)	4.54 (±1.01)	4.75 (±0.77)
	Girls	6-7	4.62 (±0.63)	4.2 (±0.81)	3.44 (±1.65)	3.51 (±1.79)	4.13 (±1.5)
		8-9	4.6 (±0.59)	4.22 (±0.71)	3.69 (±1.4)	3.84 (±1.41)	4.4 (±1.2)
		10-11	4.46 (±0.67)	4.19 (±0.69)	4.04 (±1.26)	4.21 (±1.18)	4.61 (±0.92)
Germany	Boys	6-7	4.54 (±0.93)	4.18 (±1.12)	2.99 (±1.72)	3.84 (±1.71)	3.91 (±1.84)
		8-9	4.58 (±0.68)	4.3 (±0.86)	3.62 (±1.51)	4.07 (±1.39)	4.46 (±1.35)
		10-11	4.64 (±0.48)	4.28 (±0.58)	4.46 (±0.92)	4.61 (±0.86)	4.74 (±0.76)
	Girls	6-7	4.54 (±1.08)	4.26 (±1.1)	2.89 (±1.57)	3.32 (±1.59)	4.02 (±1.49)
		8-9	4.75 (±0.57)	4.46 (±0.68)	3.64 (±1.42)	3.96 (±1.4)	4.39 (±1.32)
		10-11	4.6 (±0.55)	4.23 (±0.65)	4.22 (±1.02)	4.25 (±0.94)	4.67 (±0.87)

Country	Sex	Age group	Perceived rotation Mean (±SD)	Perceived breathing Mean (±SD)	Perceived treading Mean (±SD)	Perceived back propulsion Mean (±SD)	Perceived belly propulsion Mean (±SD)
Europe	Boys	6-7	3.18 (±1.91)	4.22 (±1.43)	3.48 (±1.74)	3.53 (±1.71)	3.89 (±1.61)
		8-9	3.68 (±1.65)	4.46 (±1.02)	3.79 (±1.47)	4.06 (±1.44)	4.25 (±1.3)
		10-11	4.15 (±1.4)	4.5 (±0.85)	4.06 (±1.22)	4.27 (±1.15)	4.48 (±0.89)
	Girls	6-7	2.82 (±1.92)	4.03 (±1.53)	3.2 (±1.78)	3.47 (±1.81)	3.7 (±1.67)
		8-9	3.49 (±1.64)	4.39 (±1.01)	3.7 (±1.54)	3.93 (±1.5)	4.08 (±1.33)
		10-11	3.99 (±1.51)	4.41 (±0.88)	3.88 (±1.24)	4.12 (±1.26)	4.23 (±1.15)
Germany	Boys	6-7	2.62 (±2)	3.66 (±1.76)	3.36 (±1.76)	3.09 (±1.87)	3.7 (±1.92)
		8-9	3.61 (±1.87)	4.06 (±1.26)	3.4 (±1.58)	3.78 (±1.59)	4.12 (±1.51)
		10-11	4.48 (±1.04)	4.46 (±0.81)	4.18 (±1)	4.33 (±1.06)	4.66 (±0.77)
	Girls	6-7	2.46 (±2)	3.57 (±1.58)	3 (±1.91)	3.22 (±1.77)	3.24 (±1.88)
		8-9	3.7 (±1.64)	4.42 (±0.94)	3.62 (±1.51)	3.91 (±1.45)	4.2 (±1.28)
		10-11	4.2 (±1.34)	4.29 (±0.94)	3.9 (±1.03)	4.18 (±1.13)	4.49 (±0.98)

Country	Sex	Age group	Perceived submersion Mean (±SD)	Perceived floatation Mean (±SD)	Like lessons at school Mean (±SD)	Like lessons at school with friends Mean (±SD)	Like lessons out-of- school Mean (±SD)
Europe	Boys	6-7	3.84 (±1.67)	3.72 (±1.68)	4.34 (±1.18)	4.14 (±1.26)	4.47 (±1.08)
		8-9	4.17 (±1.34)	4.12 (±1.3)	4.15 (±1.14)	4.15 (±1.16)	4.28 (±1.11)
		10-11	4.33 (±1.02)	4.35 (±1.01)	4.15 (±0.99)	4 (±1.08)	4.14 (±1.12)
	Girls	6-7	3.6 (±1.79)	3.54 (±1.74)	4.47 (±0.94)	4.33 (±1.07)	4.39 (±1.11)
		8-9	4.1 (±1.36)	4.19 (±1.23)	4.23 (±1.03)	4.22 (±0.96)	4.44 (±0.95)
		10-11	4.05 (±1.23)	4.34 (±1.06)	4.07 (±1.03)	4.07 (±0.97)	4.33 (±0.98)
Germany	Boys	6-7	3.38 (±1.97)	3.11 (±1.95)	3.54 (±1.71)	3.47 (±1.73)	3.91 (±1.47)
		8-9	4.29 (±1.21)	3.84 (±1.41)	4.35 (±1.19)	4.18 (±1.25)	4.11 (±1.29)
		10-11	4.53 (±0.81)	4.27 (±0.89)	3.95 (±1.17)	4 (±0.93)	3.85 (±1.18)
	Girls	6-7	3.35 (±1.89)	3.37 (±1.74)	4.17 (±1.51)	4.1 (±1.6)	3.83 (±1.53)
		8-9	4.37 (±1.2)	4.17 (±1.28)	4.48 (±0.94)	4.3 (±0.95)	4.29 (±1.01)
		10-11	4.42 (±0.92)	4.08 (±1.04)	3.72 (±1.22)	3.85 (±1.04)	3.9 (±0.99)

Notes. Europe: France, Germany, Lithuania, Norway, Poland and Portugal.

Table 466. Cont.

Country	Sex	Age group	Like lessons out-of-school with friends Mean (±SD)	Like paying in the pool Mean (±SD)	Like paying in the pool with friends Mean (±SD)	Like paying in the pool with family Mean (±SD)
Europe	Boys	6-7	4.29 (±1.2)	4.73 (±0.79)	4.64 (±0.89)	4.72 (±0.84)
		8-9	4.04 (±1.21)	4.7 (±0.77)	4.64 (±0.86)	4.7 (±0.76)
		10-11	4.03 (±1.17)	4.63 (±0.72)	4.71 (±0.68)	4.62 (±0.74)
	Girls	6-7	4.32 (±1.11)	4.73 (±0.76)	4.74 (±0.69)	4.8 (±0.67)
		8-9	4.22 (±1.1)	4.76 (±0.62)	4.73 (±0.7)	4.75 (±0.69)
		10-11	4.1 (±1.04)	4.64 (±0.77)	4.75 (±0.54)	4.7 (±0.65)
Germany	Boys	6-7	3.69 (±1.55)	4.31 (±1.39)	4.45 (±1.31)	4.47 (±1.24)
		8-9	3.85 (±1.47)	4.65 (±0.94)	4.61 (±1)	4.69 (±0.83)
		10-11	3.86 (±1.1)	4.7 (±0.57)	4.74 (±0.6)	4.51 (±0.74)
	Girls	6-7	4.02 (±1.56)	4.52 (±1.15)	4.6 (±1.09)	4.55 (±1.19)
		8-9	4.1 (±1.1)	4.7 (±0.64)	4.68 (±0.78)	4.77 (±0.78)
		10-11	3.8 (±1.01)	4.51 (±0.79)	4.73 (±0.58)	4.61 (±0.7)

Country	Sex	Age group	Swimming Race Mean (±SD)	Water Polo Mean (±SD)	Synchronised Swimming Mean (±SD)	Diving Mean (±SD)	Activity 1 Mean (±SD)	Activity 2 Mean (±SD)
Europe	Boys	6-7	3.58 (±1.65)	3.99 (±1.53)	2.22 (±1.63)	3.67 (±1.68)	4.04 (±1.51)	3.89 (±1.52)
		8-9	3.57 (±1.56)	4.02 (±1.38)	2.1 (±1.49)	3.85 (±1.51)	4.18 (±1.25)	4.14 (±1.3)
		10-11	3.49 (±1.45)	3.74 (±1.41)	1.89 (±1.27)	3.67 (±1.5)	4 (±1.22)	4.08 (±1.25)
	Girls	6-7	3.5 (±1.63)	3.29 (±1.67)	3.56 (±1.64)	3.23 (±1.74)	3.79 (±1.57)	3.5 (±1.66)
		8-9	3.59 (±1.49)	3.4 (±1.48)	3.66 (±1.48)	3.46 (±1.6)	4.04 (±1.25)	3.8 (±1.44)
		10-11	3.49 (±1.3)	3.6 (±1.31)	3.27 (±1.48)	3.5 (±1.45)	4.07 (±1.22)	3.97 (±1.25)
Germany	Boys	6-7	2.58 (±1.75)	3.64 (±1.71)	1.92 (±1.49)	3.46 (±1.86)	3.66 (±1.84)	3.7 (±1.76)
		8-9	3.4 (±1.55)	3.83 (±1.61)	1.95 (±1.5)	4.19 (±1.41)	3.87 (±1.63)	4 (±1.56)
		10-11	2.97 (±1.39)	4.25 (±1.08)	1.86 (±1.2)	4.06 (±1.23)	4.15 (±1.13)	4.42 (±1.02)
	Girls	6-7	2.72 (±1.77)	2.88 (±1.75)	3.21 (±1.74)	2.74 (±1.73)	3.52 (±1.75)	3.64 (±1.74)
		8-9	3.38 (±1.48)	3.41 (±1.57)	3.49 (±1.51)	3.81 (±1.51)	3.91 (±1.45)	4.06 (±1.45)
		10-11	2.9 (±1.27)	3.59 (±1.26)	3.79 (±1.18)	3.88 (±1.24)	3.99 (±1.16)	4.23 (±1.04)

Country	Sex	Age group	Activity 3 Mean (±SD)	Activity 4 Mean (±SD)	Low risk in the pool Mean (±SD)	High risk in the pool Mean (±SD)	Low risk open water Mean (±SD)	High risk open water Mean (±SD)
Europe	Boys	6-7	3.94 (±1.55)	3.74 (±1.57)	3.43 (±1.3)	2.61 (±1.28)	4.06 (±1.16)	2.34 (±1.42)
		8-9	4.11 (±1.33)	3.83 (±1.41)	3.38 (±1.24)	2.64 (±1.17)	3.99 (±1.17)	2.64 (±1.38)
		10-11	3.88 (±1.34)	3.6 (±1.39)	3.49 (±1.08)	2.46 (±1.2)	4.13 (±1.05)	2.2 (±1.29)
	Girls	6-7	3.39 (±1.65)	3.31 (±1.63)	3.34 (±1.21)	2.74 (±1.21)	3.97 (±1.11)	2.37 (±1.29)
		8-9	3.76 (±1.47)	3.38 (±1.48)	3.24 (±1.19)	2.81 (±1.08)	3.87 (±1.09)	2.73 (±1.35)
		10-11	3.99 (±1.25)	3.55 (±1.36)	3.41 (±1.16)	2.61 (±1.13)	3.94 (±1.14)	2.45 (±1.26)
Germany	Boys	6-7	3.57 (±1.8)	3.17 (±1.86)	3.17 (±1.35)	2.59 (±1.25)	3.23 (±1.41)	2.28 (±1.36)
		8-9	4.02 (±1.5)	3.69 (±1.63)	3.5 (±1.26)	2.83 (±1.17)	3.47 (±1.38)	2.58 (±1.33)
		10-11	4.41 (±0.93)	3.9 (±1.37)	3.76 (±1)	2.43 (±1.19)	3.88 (±1.22)	2.03 (±1.25)
	Girls	6-7	3.23 (±1.66)	2.77 (±1.83)	3.19 (±1.52)	3.1 (±1.24)	3.04 (±1.42)	2.38 (±1.2)
		8-9	3.97 (±1.5)	3.78 (±1.47)	3.45 (±1.05)	2.97 (±1.07)	3.54 (±1.23)	2.56 (±1.18)
		10-11	4.18 (±1.16)	3.63 (±1.2)	3.62 (±0.99)	2.9 (±1.07)	3.92 (±1.19)	2.46 (±1.23)

Notes. Europe: France, Germany, Lithuania, Norway, Poland and Portugal.

a. Intrinsic motivation

Overview

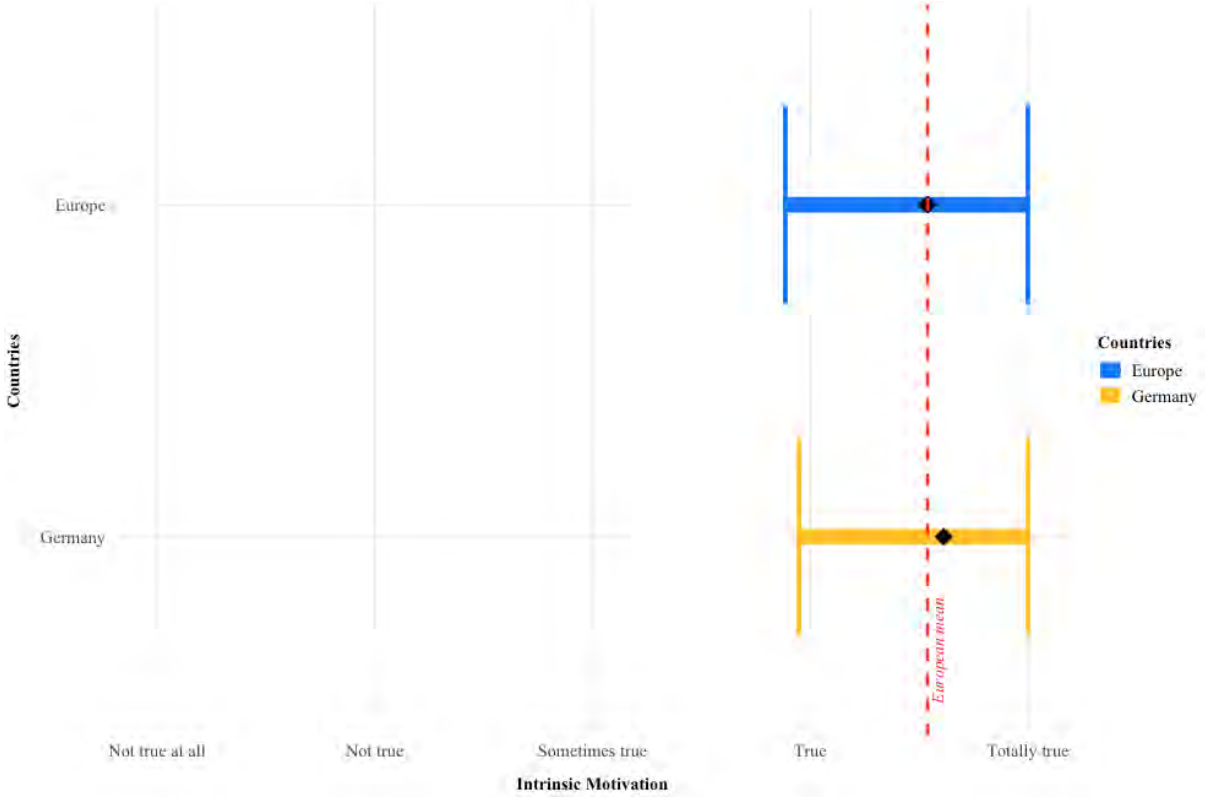


Figure 270. Distribution of the Intrinsic Motivation in Europe and in Germany (Mean±SD).

Table 467. Comparative Analysis of the Intrinsic Motivation in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	566	2,440	0.003 **	0.1 [a]	0.59 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

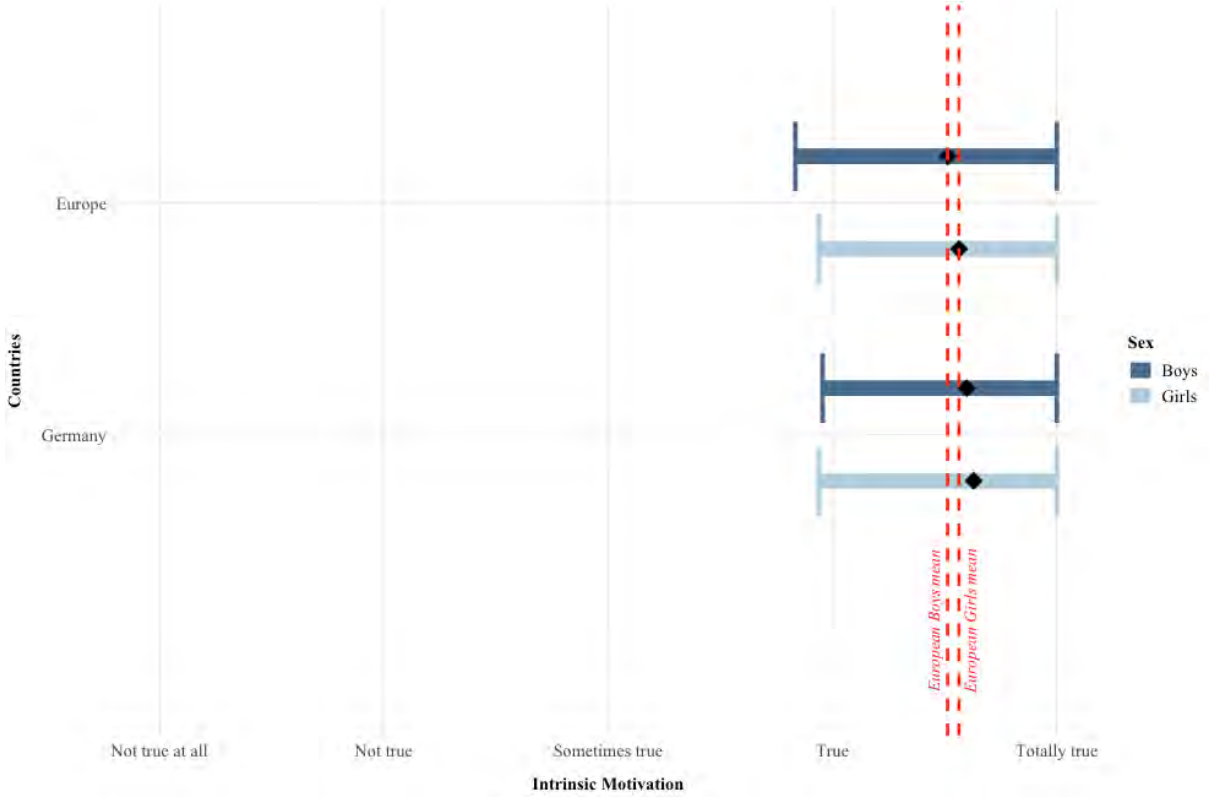


Figure 271. Distribution of the Intrinsic Motivation according to the Sex in Europe and in Germany (Mean±SD).

Table 468. Comparative Analysis of the Intrinsic Motivation in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	291	1,223	0.04 *	0.05 [a]	0.33 [1]
	Girls	275	1,217	0.03 *	0.05 [a]	0.35 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 469. Comparative Analysis of the Intrinsic Motivation in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	291	275	0.2	0.05 [a]	0.21 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

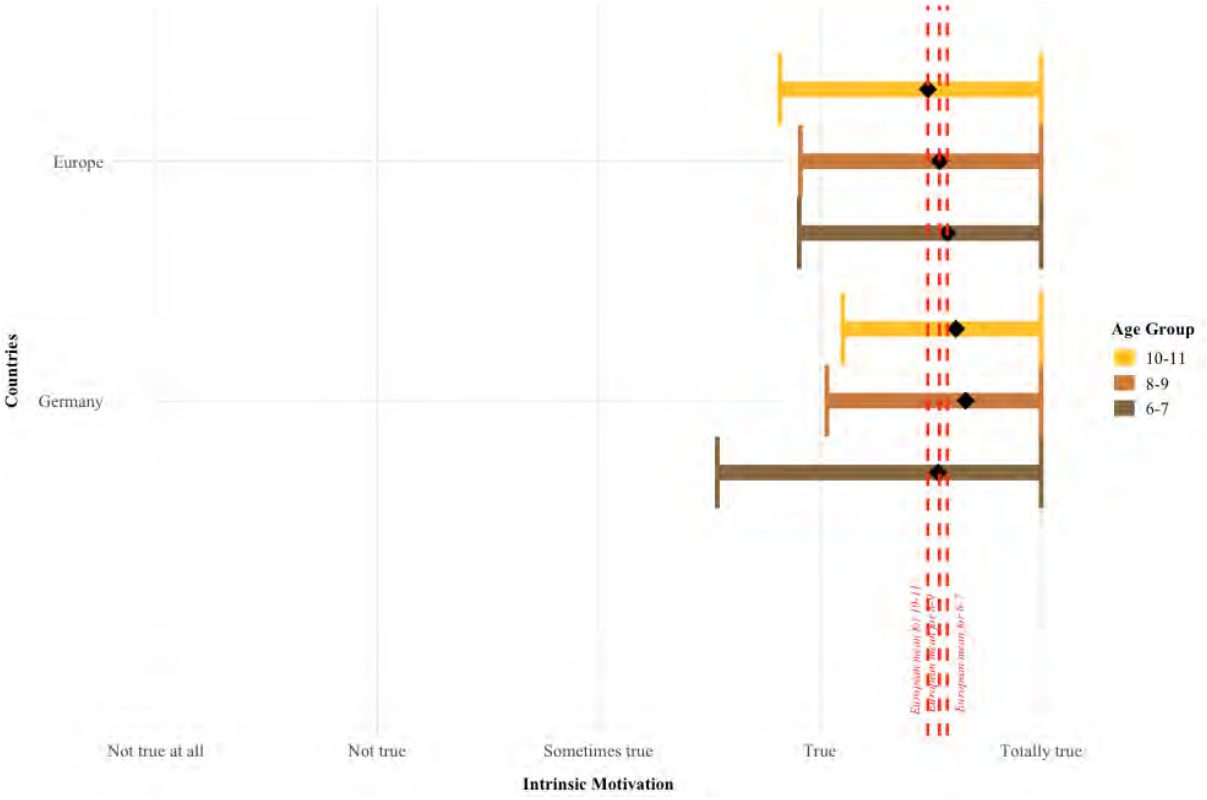


Figure 272. Distribution of the Intrinsic Motivation according to the Age Group in Europe and in Germany (Mean±SD).

Table 470. Comparative Analysis of the Intrinsic Motivation in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	108	800	0.12	0.05 [a]	0.15 [1]
	8-9 yo	179	1,020	0.004 **	0.08 [a]	0.48 [1]
	10-11 yo	279	620	0.03	0.07 [a]	0.49 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 471. Comparative Analysis of the Intrinsic Motivation in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	108	179		0.39	0.04 [a]	0.11 [1]
	8-9 yo *vs* 10-11 yo		179	279	0.07	0.08 [a]	0.37 [1]
	6-7 yo *vs* 10-11 yo	108		279	0.03 *	0.1 [a]	0.42 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

b. Identified motivation

Overview

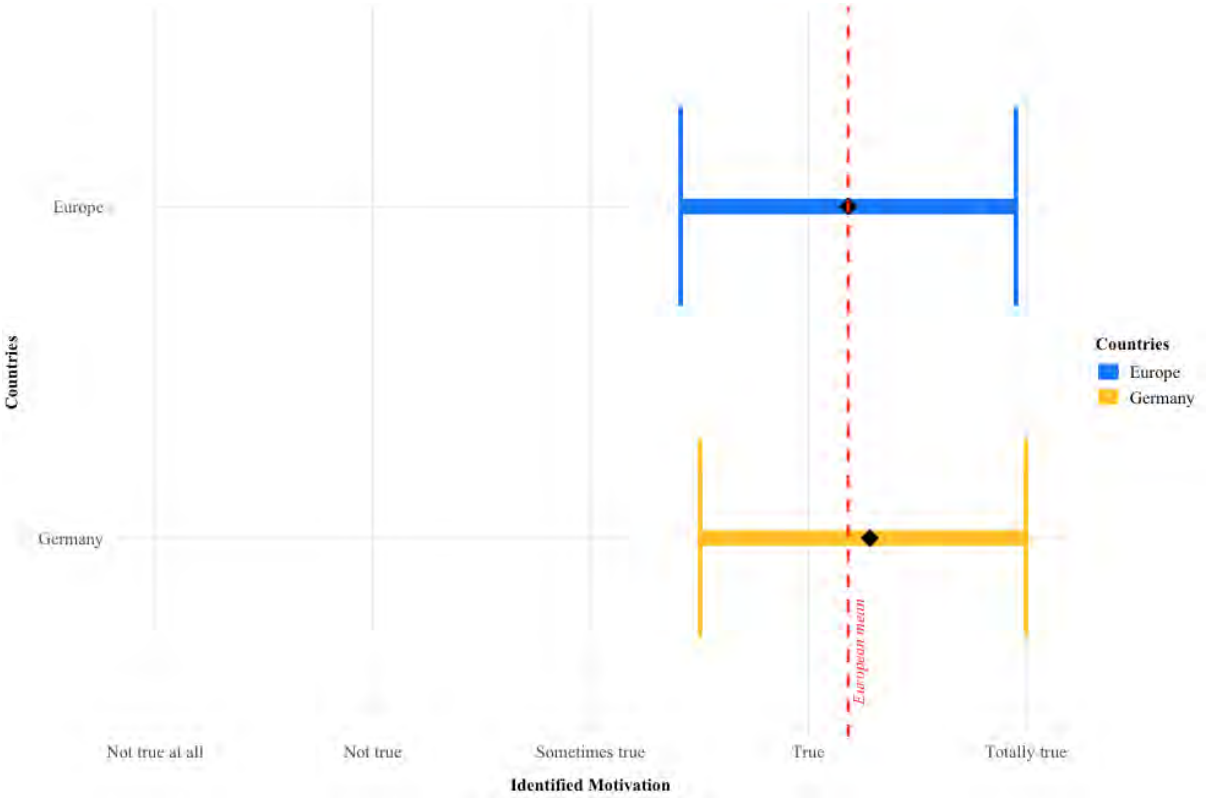


Figure 273. Distribution of the Identified Motivation in Europe and in Germany (Mean±SD).

Table 472. Comparative Analysis of the Identified Motivation in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	565	2,441	0.001 ***	0.12 [a]	0.71 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

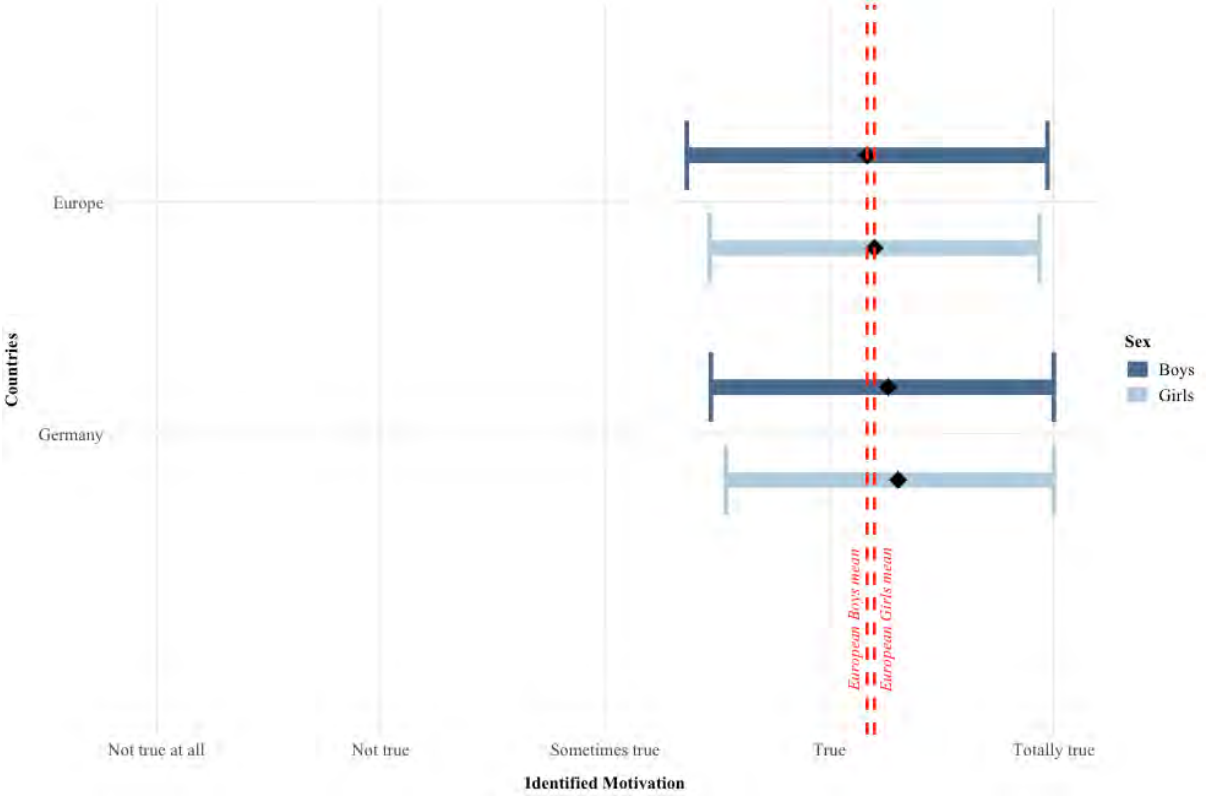


Figure 274. Distribution of the Identified Motivation according to the Sex in Europe and in Germany (Mean±SD).

Table 473. Comparative Analysis of the Identified Motivation in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	291	1,223	0.06	0.05 [a]	0.31 [1]
	Girls	274	1,218	0.006 **	0.07 [a]	0.55 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 474. Comparative Analysis of the Identified Motivation in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	291	274	0.39	0.03 [a]	0.13 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (*d<0.2*); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

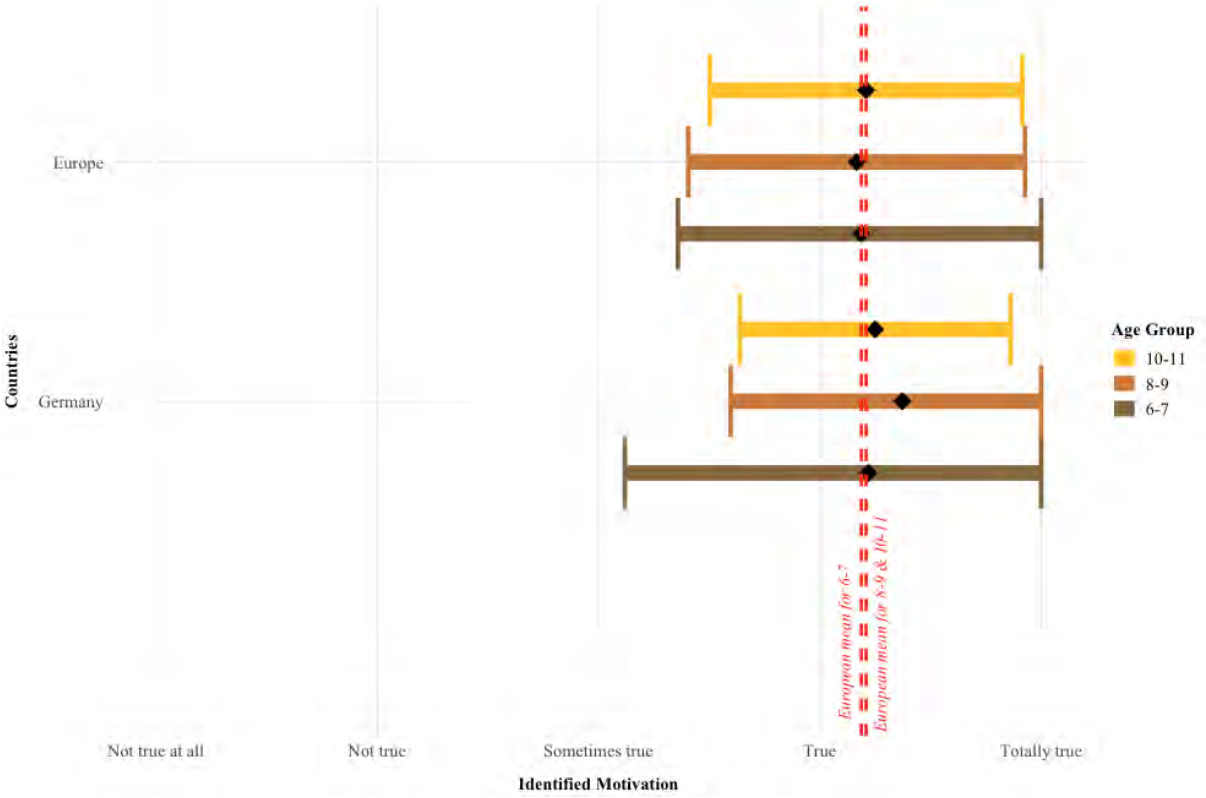


Figure 275. Distribution of the Identified Motivation according to the Age Group in Europe and in Germany (Mean±SD).

Table 475. Comparative Analysis of the Identified Motivation in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	108	800	0.05 *	0.06 [a]	0.24 [1]
	8-9 yo	178	1,021	2.58^{e-05} ***	0.12 [a]	0.84 [3]
	10-11 yo	279	620	0.79	0.009 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 476. Comparative Analysis of the Identified Motivation in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	108	178		0.82	0.01 [a]	0.05 [1]
	8-9 yo *vs* 10-11 yo		178	279	3.8^{e-04} ***	0.16 [a]	0.93 [4]
	6-7 yo *vs* 10-11 yo	108		279	0.006 **	0.14 [a]	0.69 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

c. Confidence in deep water

Overview

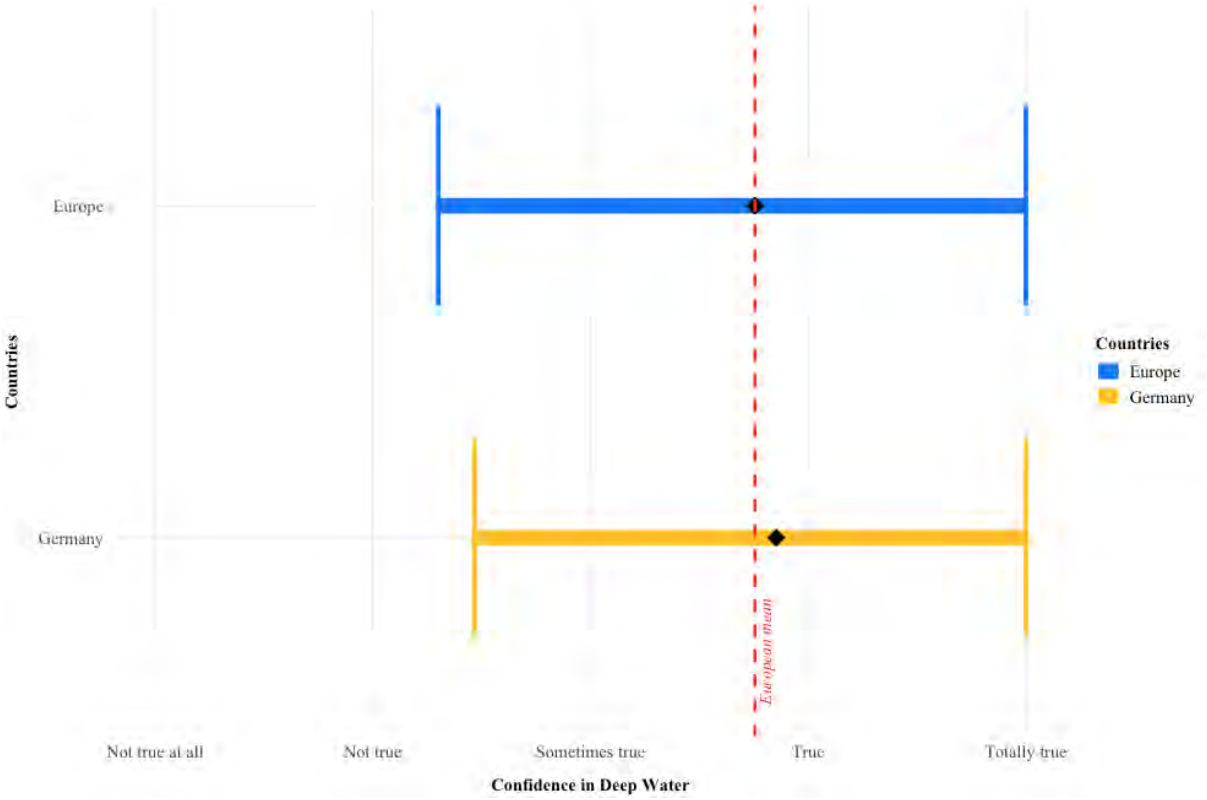


Figure 276. Distribution of the Confidence in Deep Water in Europe and in Germany (Mean±SD).

Table 477. Comparative Analysis of the Confidence in Deep Water in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	558	2,424	0.3	0.04 [a]	0.12 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

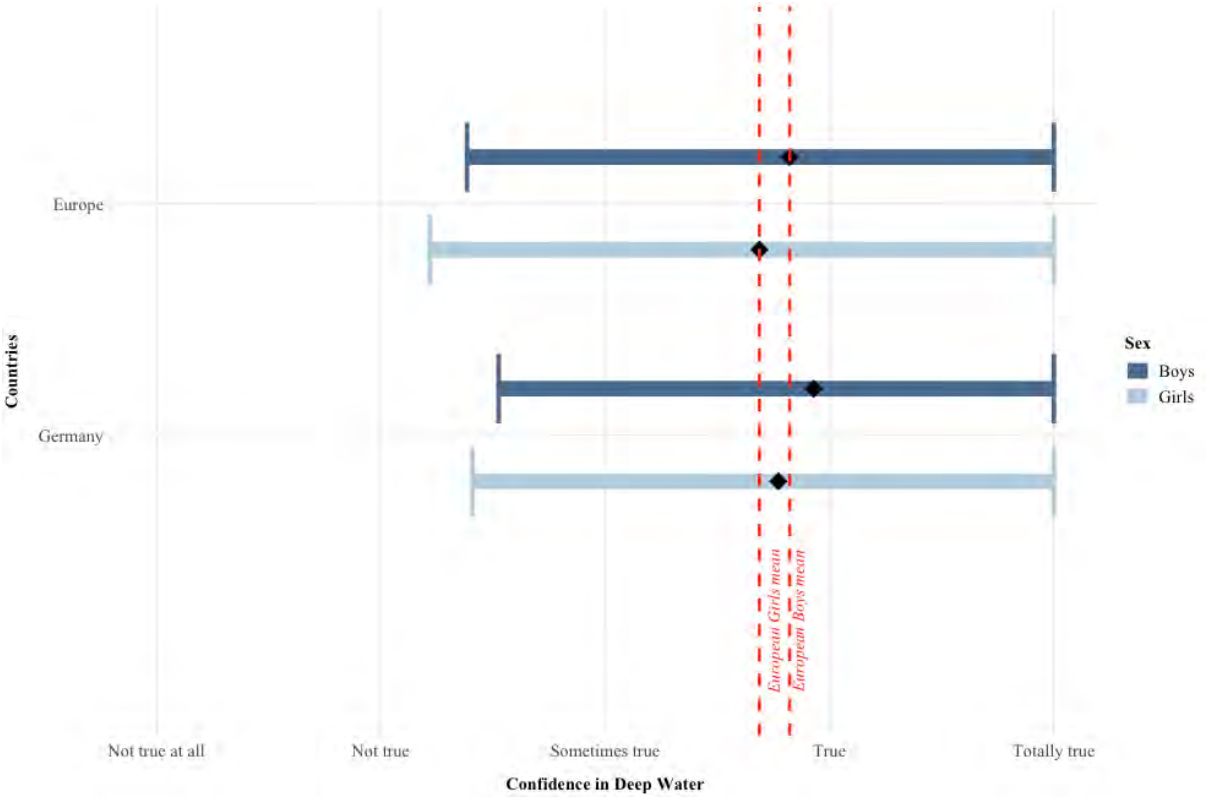


Figure 277. Distribution of the Confidence in Deep Water according to the Sex in Europe and in Germany (Mean±SD).

Table 478. Comparative Analysis of the Confidence in Deep Water in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* **Europe**	Boys	286	1,217	0.26	0.03 [a]	0.13 [1]
	Girls	272	1,207	0.69	0.01 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 479. Comparative Analysis of the Confidence in Deep Water in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany	Boys *vs* Girls	286	272	0.06	0.07 [a]	0.41 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

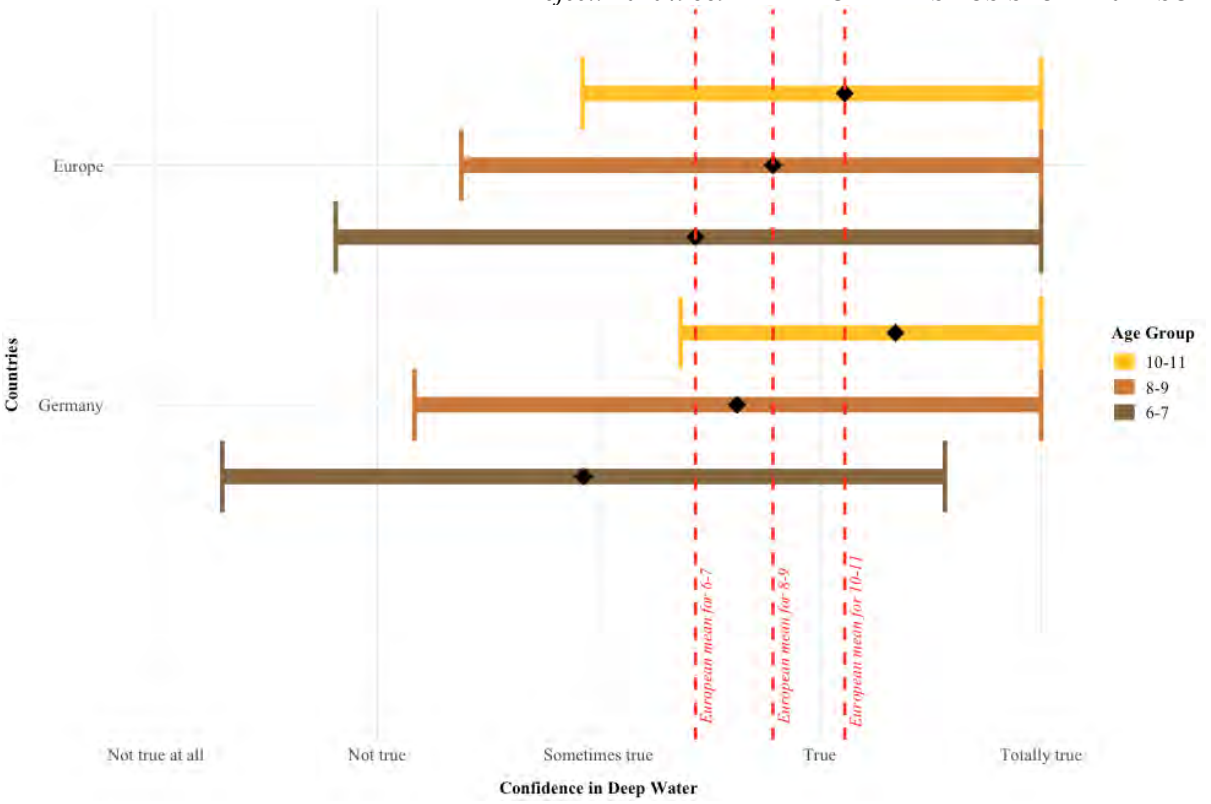


Figure 278. Distribution of the Confidence in Deep Water according to the Age Group in Europe and in Germany (Mean±SD).

Table 480. Comparative Analysis of the Confidence in Deep Water in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	104	795	0.002 **	0.1 [a]	0.47 [1]
	8-9 yo	176	1,016	0.14	0.04 [a]	0.17 [1]
	10-11 yo	278	613	0.02 *	0.07 [a]	0.5 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 481. Comparative Analysis of the Confidence in Deep Water in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	104	176		5.56^{e-04} ***	0.2 [b]	0.91 [4]
	8-9 yo *vs* 10-11 yo			278	1.75^{e-07} ***	0.22 [b]	1 [4]
	6-7 yo *vs* 10-11 yo	104	176	278	5.36^{e-15} ***	0.37 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

d. Perceived skills

1. Perceived entry in the water

Overview

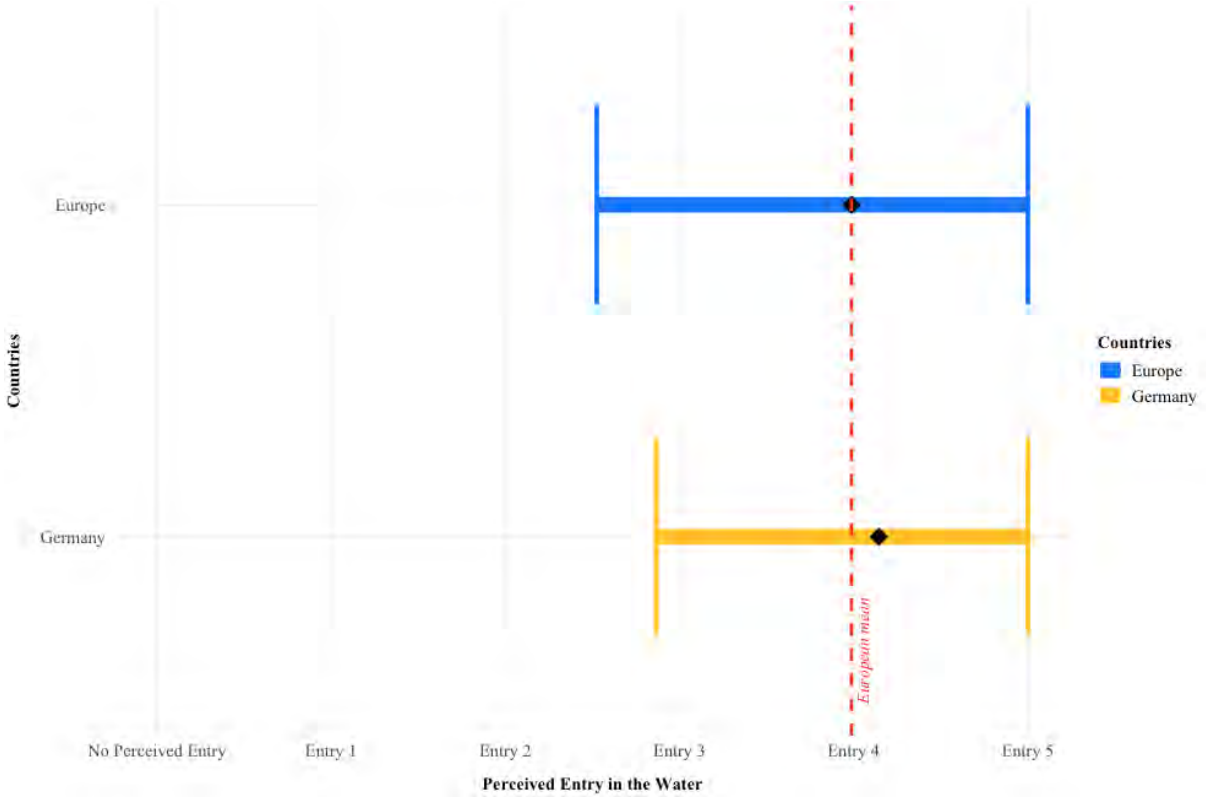


Figure 279. Distribution of the Perceived Entry in the Water in Europe and in Germany (Mean±SD).

Table 482. Comparative Analysis of the Perceived Entry in the Water in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	548	2,247	0.12	0.05 [a]	0.2 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

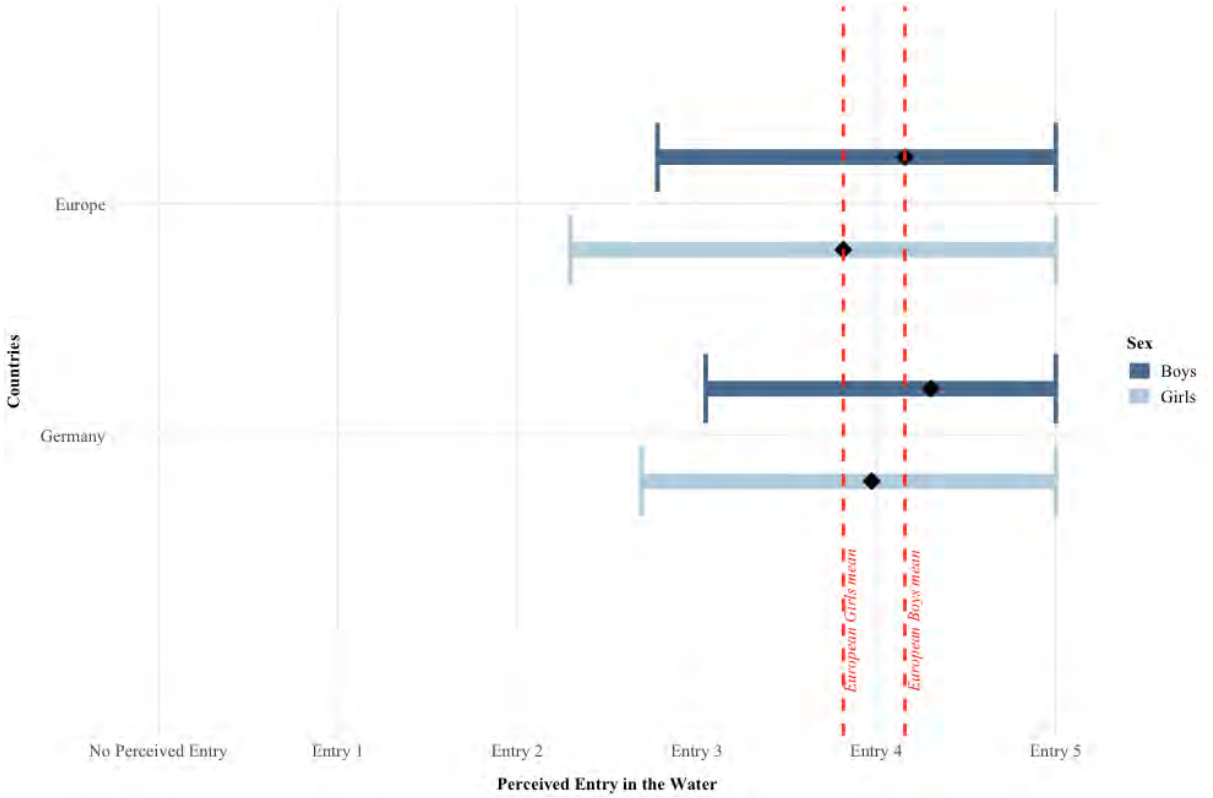


Figure 280. Distribution of the Perceived Entry in the Water according to the Sex in Europe and in Germany (Mean±SD).

Table 483. Comparative Analysis of the Perceived Entry in the Water in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	283	1,114	0.15	0.03 [a]	0.16 [1]
	Girls	265	1,133	0.5	0.02 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 484. Comparative Analysis of the Perceived Entry in the Water in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	283	265	5.1^{e-05} ***	0.15 [a]	0.95 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

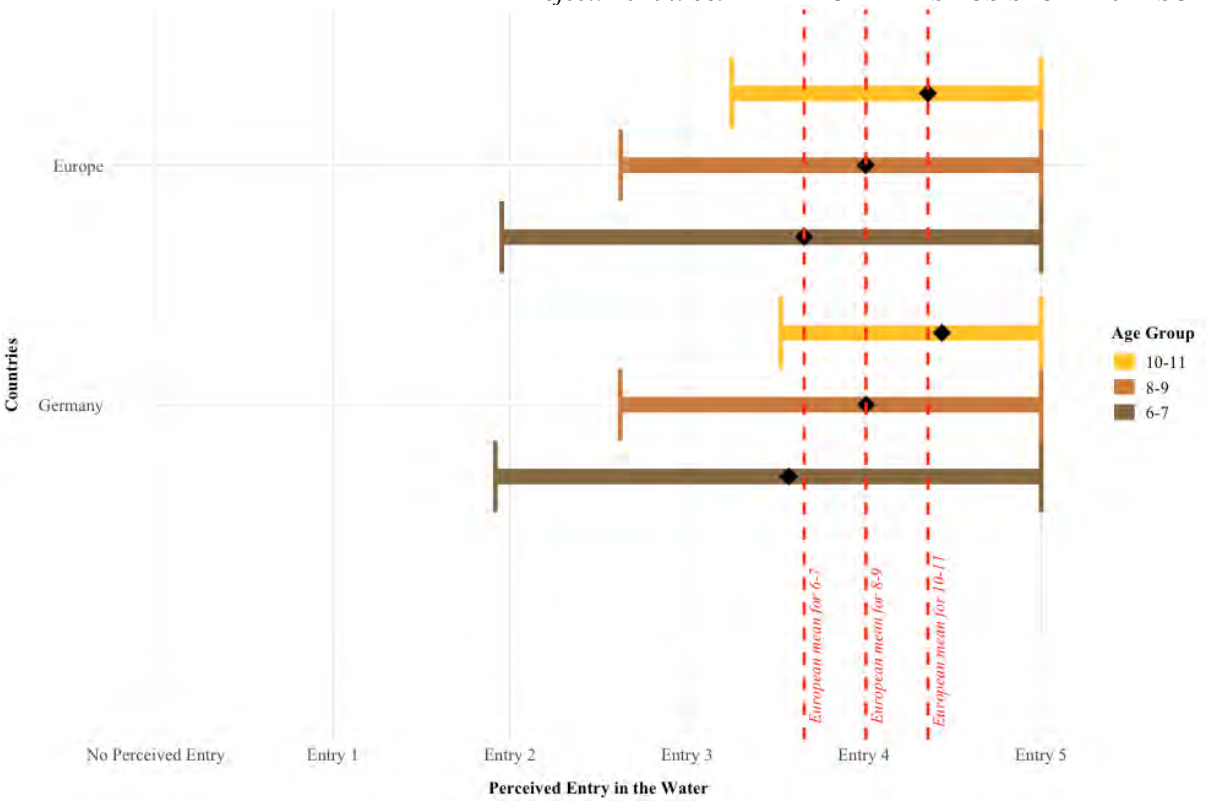


Figure 281. Distribution of the Perceived Entry in the Water according to the Age Group in Europe and in Germany (Mean±SD).

Table 485. Comparative Analysis of the Perceived Entry in the Water in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	101	736	0.43	0.02 [a]	0.08 [1]
	8-9 yo	174	934	0.9	0.003 [a]	0.05 [1]
	10-11 yo	273	577	0.88	0.004 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 486. Comparative Analysis of the Perceived Entry in the Water in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	101	174		0.04 *	0.11 [a]	0.44 [1]
	8-9 yo *vs* 10-11 yo		174	273	0.001 **	0.13 [a]	0.79 [2]
	6-7 yo *vs* 10-11 yo	101		273	1.42^{e-06} ***	0.22 [b]	0.97 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

2. Perceived exit from the water

Overview

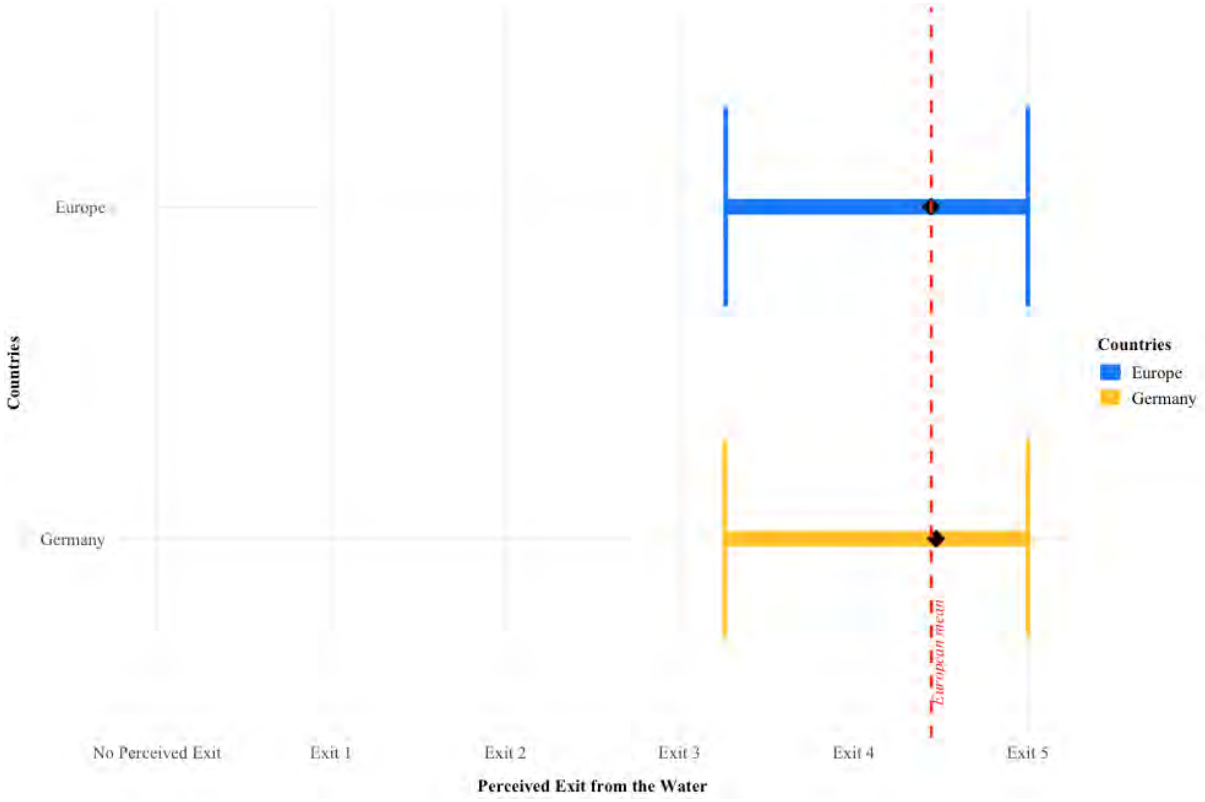


Figure 282. Distribution of the Perceived Exit from the Water in Europe and in Germany (Mean±SD).

Table 487. Comparative Analysis of the Perceived Exit from the Water in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* **Europe**	554	2,271	0.26	0.03 [a]	0.1 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

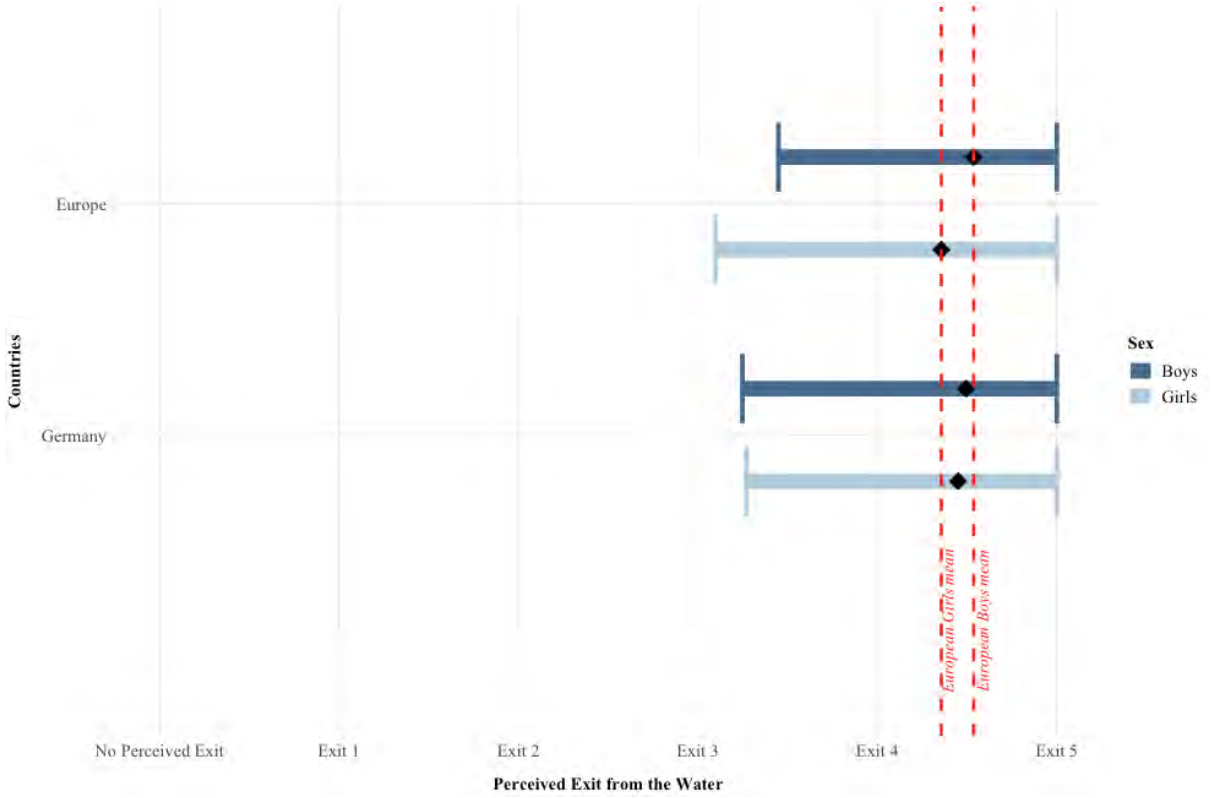


Figure 283. Distribution of the Perceived Exit from the Water according to the Sex in Europe and in Germany (Mean±SD).

Table 488. Comparative Analysis of the Perceived Exit from the Water in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	Boys	285	1,121	0.68	0.008 [a]	0.06 [1]
	Girls	269	1,150	0.26	0.02 [a]	0.1 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 489. Comparative Analysis of the Perceived Exit from the Water in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany	Boys *vs* Girls	285	269	0.22	0.04 [a]	0.14 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

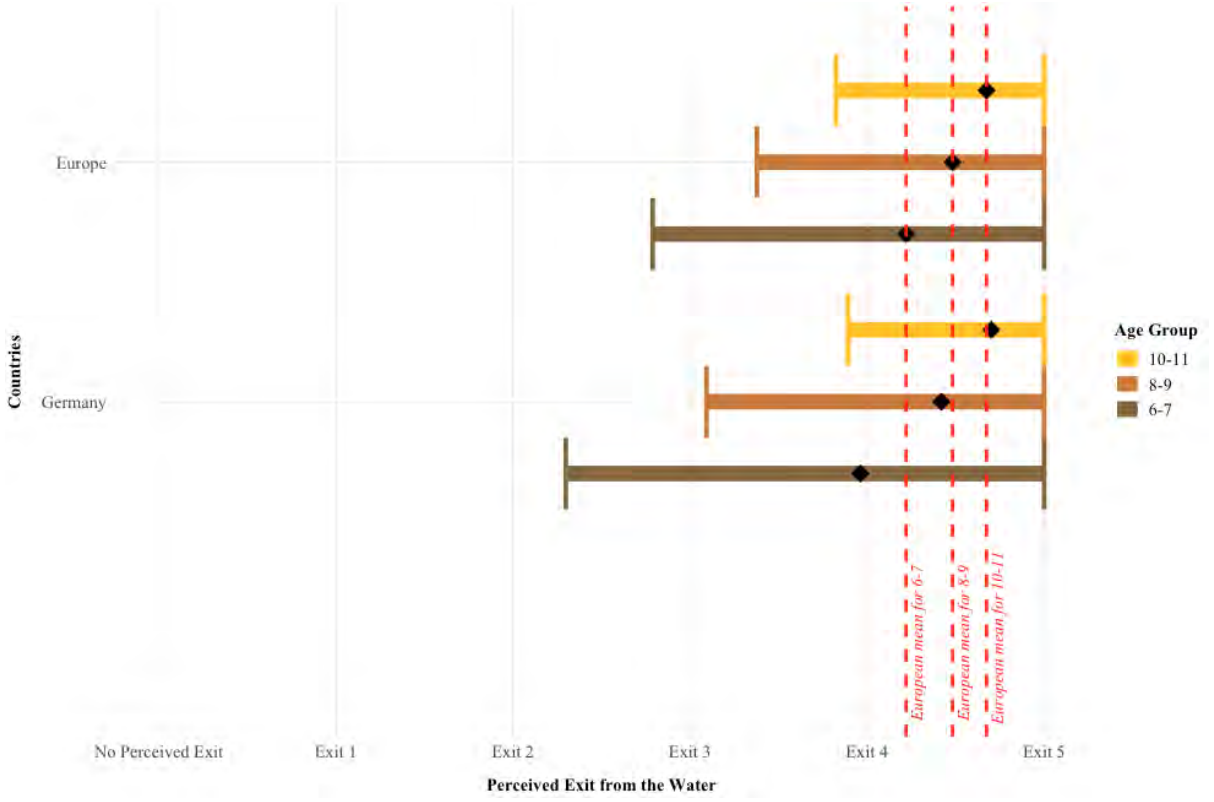


Figure 284. Distribution of the Perceived Exit from the Water ccording to the Age Group in Europe and in Germany (Mean±SD).

Table 490. Comparative Analysis of the Perceived Exit from the Water in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	105	745	0.1	0.04 [a]	0.14 [1]
	8-9 yo	174	945	0.7	0.008 [a]	0.05 [1]
	10-11 yo	275	581	0.5	0.01 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 491. Comparative Analysis of the Perceived Exit from the Water in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	105	174		0.007 **	0.13 [a]	0.53 [2]
	8-9 yo *vs* 10-11 yo		174	275	0.05	0.06 [a]	0.24 [1]
	6-7 yo *vs* 10-11 yo	105		275	1.5^{e-06} ***	0.18 [a]	0.87 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

3. Perceived rotations

Overview

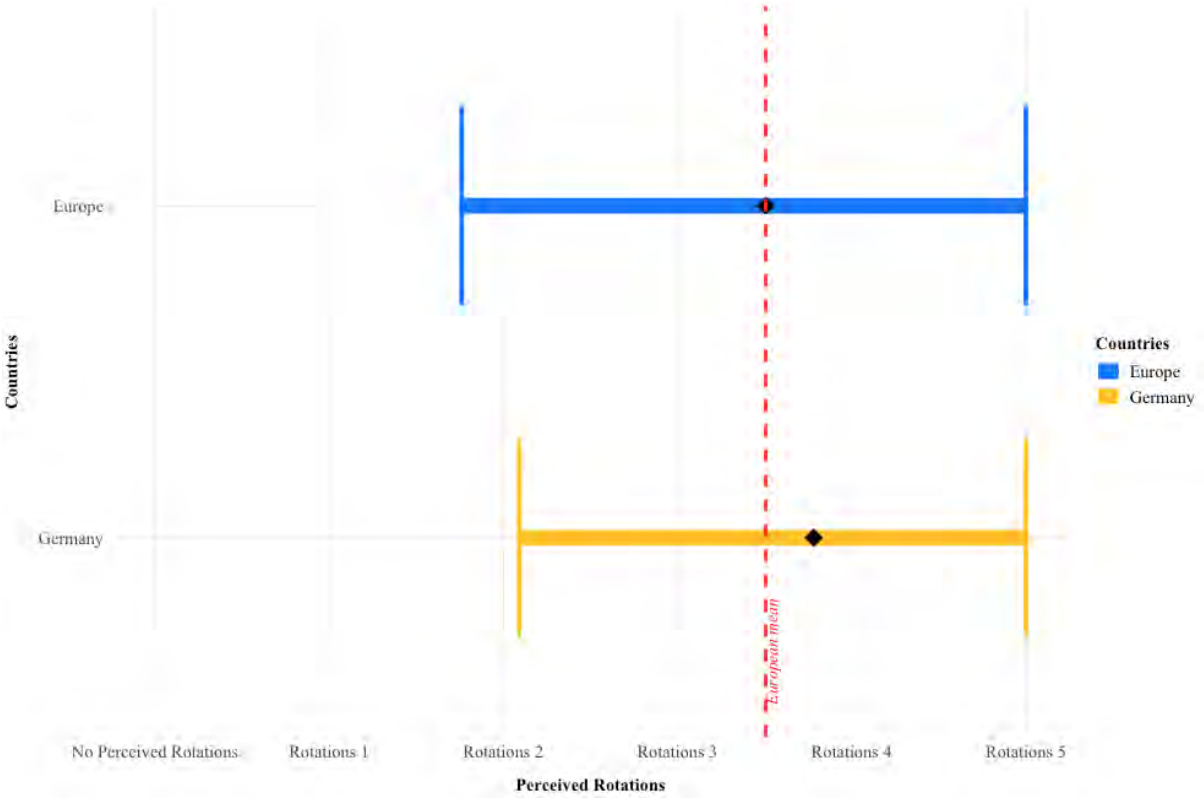


Figure 285. Distribution of the Perceived Rotations in Europe and in Germany (Mean±SD).

Table 492. Comparative Analysis of the Perceived Rotations in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* **Europe**	540	2,078	1.4^{e-04} ***	0.14 [a]	0.83 [3]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

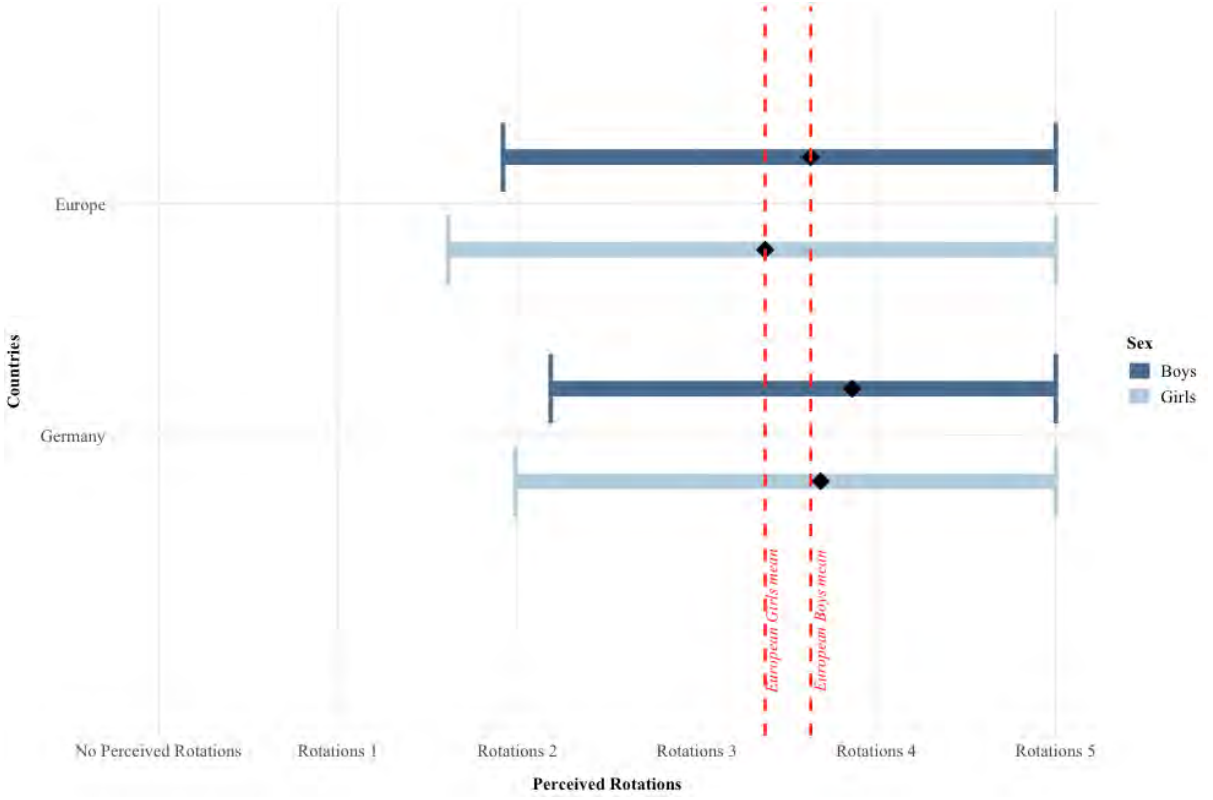


Figure 286. Distribution of the Perceived Rotations according to the Sex in Europe and in Germany (Mean±SD).

Table 493. Comparative Analysis of the Perceived Rotations in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	282	1,024	0.01 *	0.06 [a]	0.49 [1]
	Girls	258	1,054	0.006 **	0.07 [a]	0.55 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 494. Comparative Analysis of the Perceived Rotations in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	282	258	0.12	0.06 [a]	0.29 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

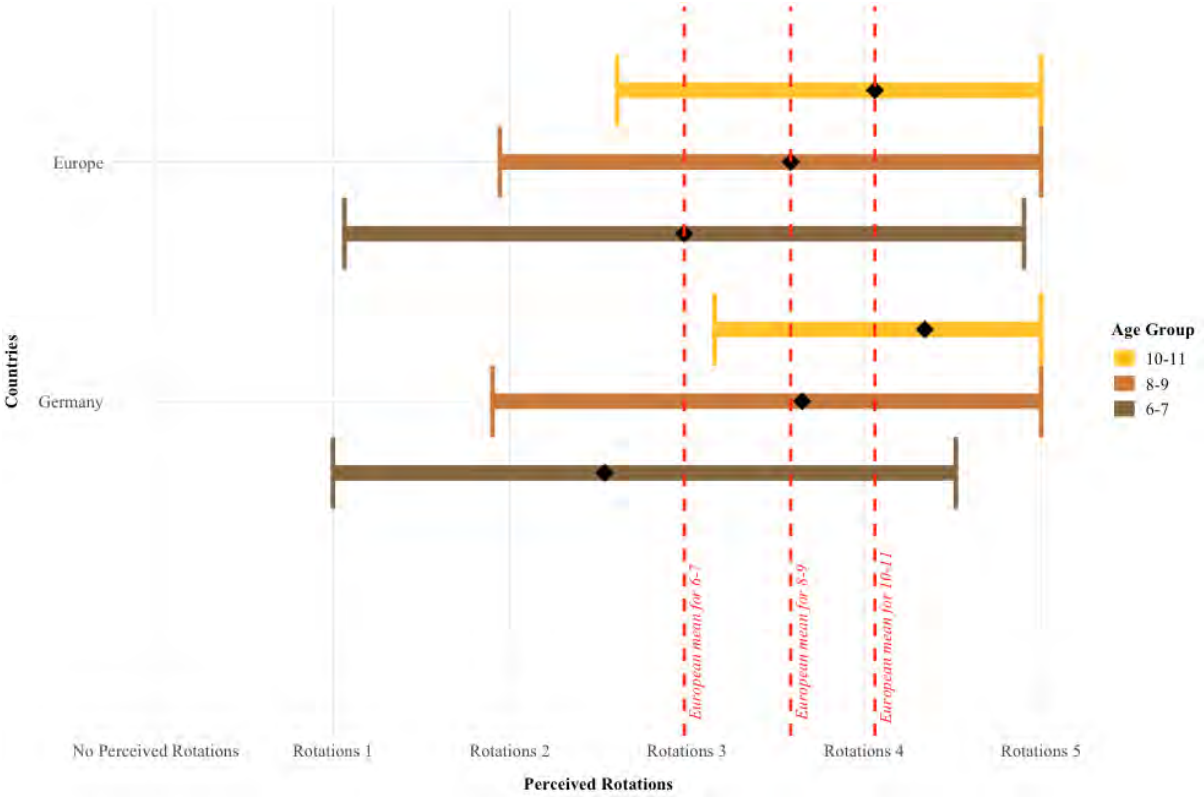


Figure 287. Distribution of the Perceived Rotations according to the Age Group in Europe and in Germany (Mean±SD).

Table 495. Comparative Analysis of the Perceived Rotations in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	103	689	0.04 *	0.07 [a]	0.28 [1]
	8-9 yo	169	866	0.32	0.03 [a]	0.49 [1]
	10-11 yo	268	523	0.01 *	0.07 [a]	0.29 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 496. Comparative Analysis of the Perceived Rotations in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	103	169		7.19^{e-06} ***	0.26 [b]	0.99 [4]
	8-9 yo *vs* 10-11 yo		169	268	1.44^{e-05} ***	0.18 [a]	0.96 [4]
	6-7 yo *vs* 10-11 yo	103		268	2.24^{e-17} ***	0.39 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

4. Perceived breathing

Overview

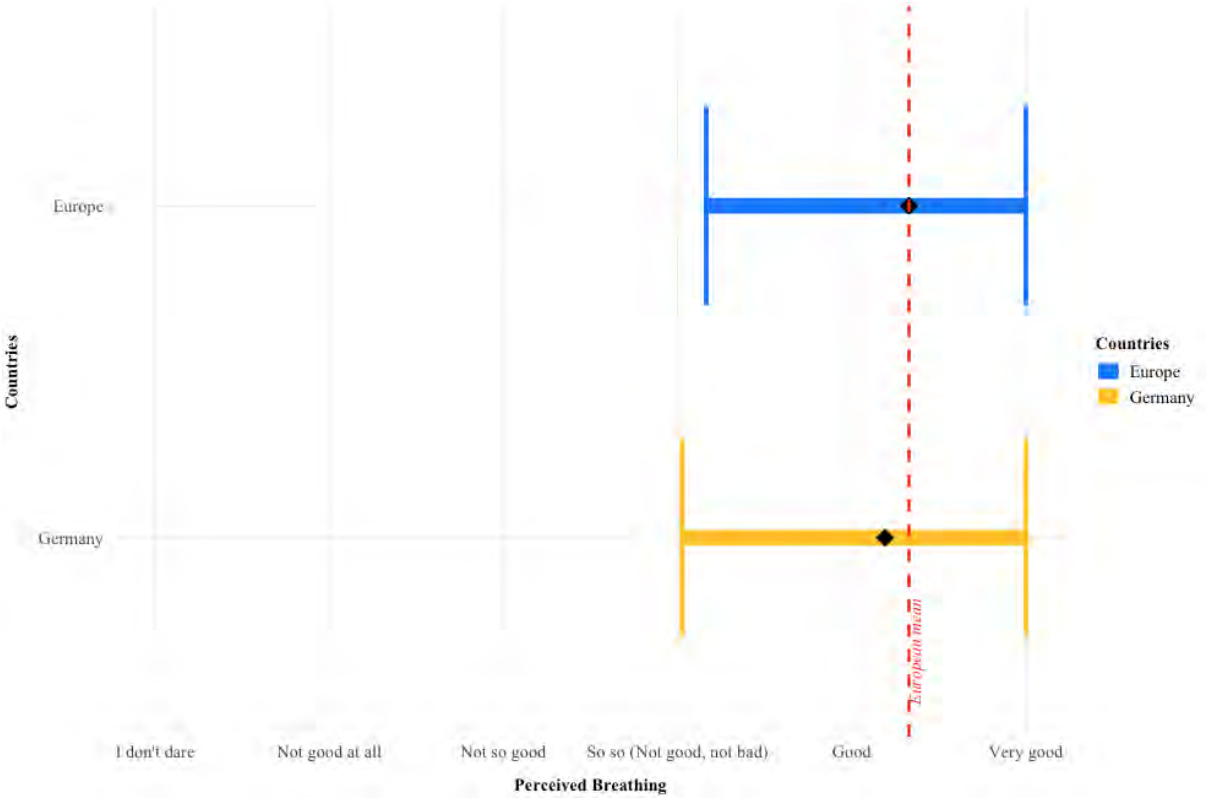


Figure 288. Distribution of the Perceived Breathing in Europe and in Germany (Mean±SD).

Table 497. Comparative Analysis of the Perceived Breathing in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	555	2,283	2.3^{e-04} ***	0.12 [a]	0.72 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

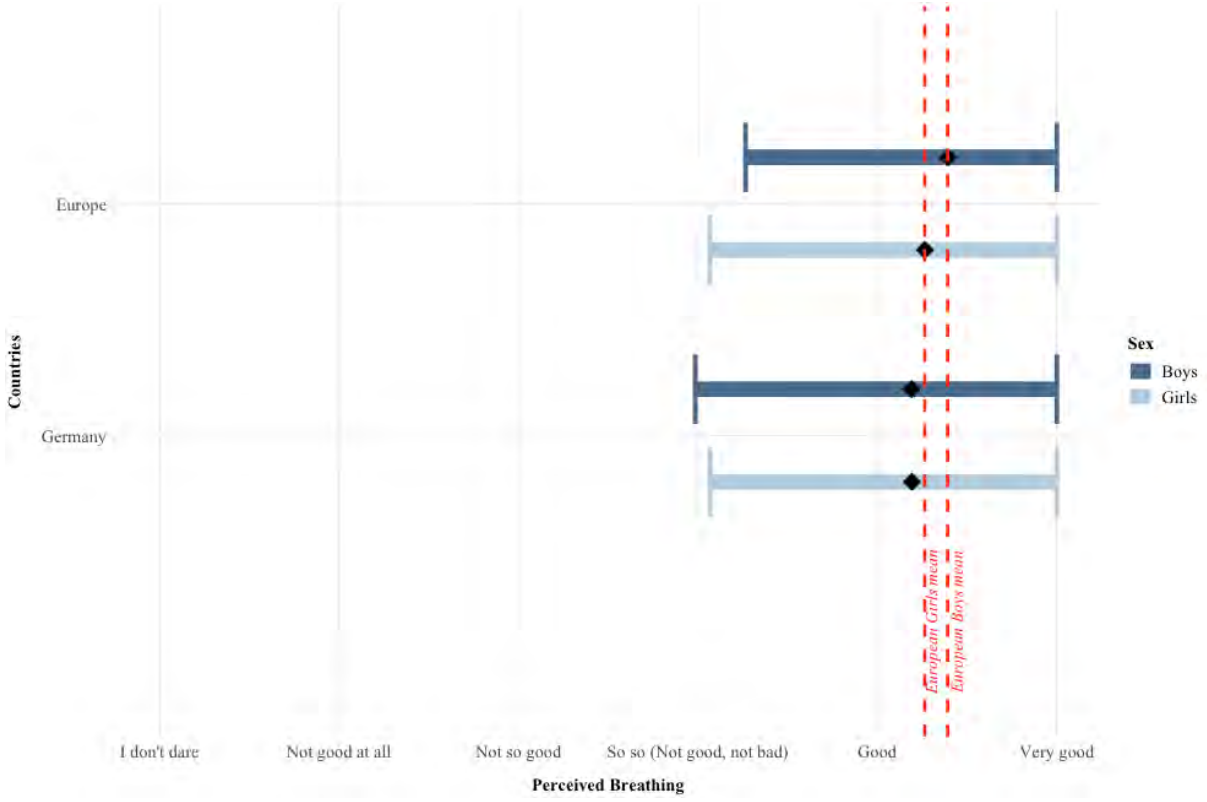


Figure 289. Distribution of the Perceived Breathing according to the Sex in Europe and in Germany (Mean±SD).

Table 498. Comparative Analysis of the Perceived Breathing in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	285	1,148	9.9^{e-04} ***	0.07 [a]	0.61 [2]
	Girls	270	1,135	0.05	0.05 [a]	0.27 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 499. Comparative Analysis of the Perceived Breathing in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	285	270	0.6	0.02 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

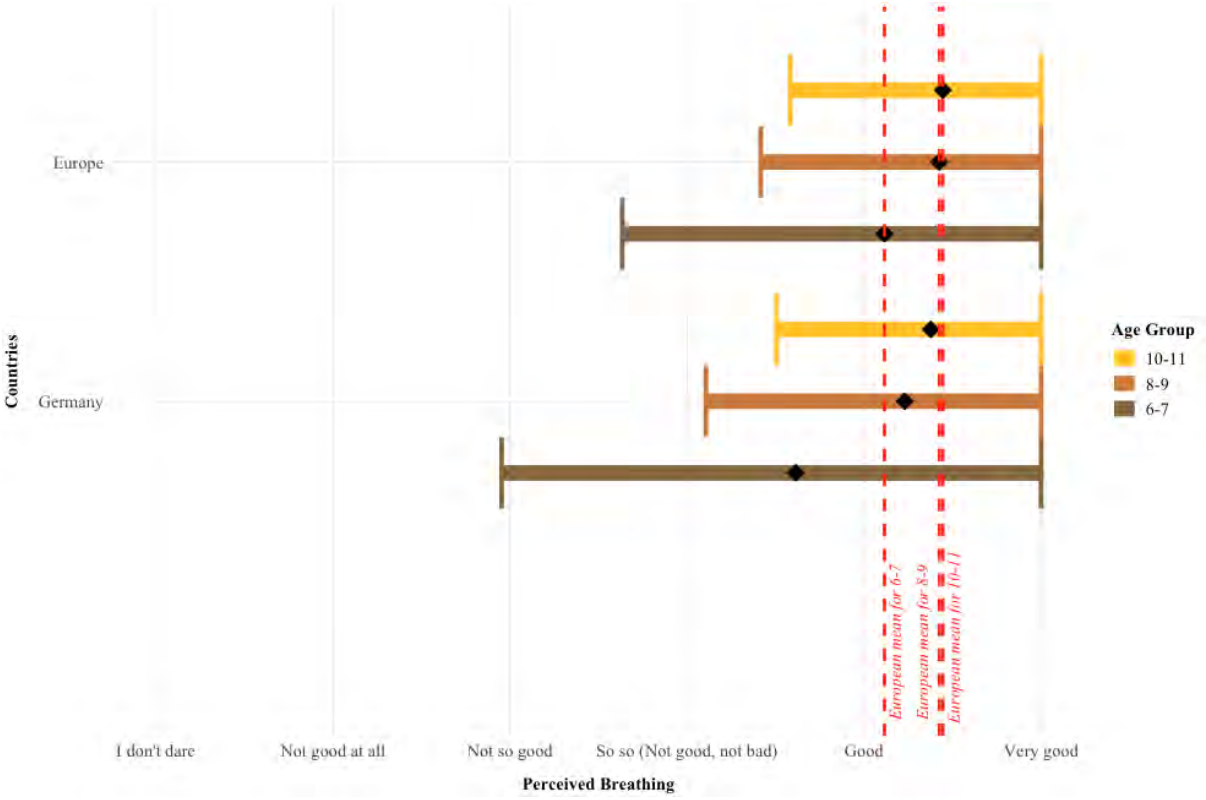


Figure 290. Distribution of the Perceived Breathing according to the Age Group in Europe and in Germany (Mean±SD).

Table 500. Comparative Analysis of the Perceived Breathing in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	101	748	0.001 **	0.09 [a]	0.45 [1]
	8-9 yo	178	962	0.01 *	0.06 [a]	0.33 [1]
	10-11 yo	276	573	0.18	0.04 [a]	0.19 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 501. Comparative Analysis of the Perceived Breathing in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	101	178		0.009 **	0.14 [a]	0.36 [1]
	8-9 yo *vs* 10-11 yo		178	276	0.56	0.02 [a]	0.08 [1]
	6-7 yo *vs* 10-11 yo	101		276	9.8^{e-04} ***	0.15 [a]	0.76 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

5. Perceived treading water

Overview

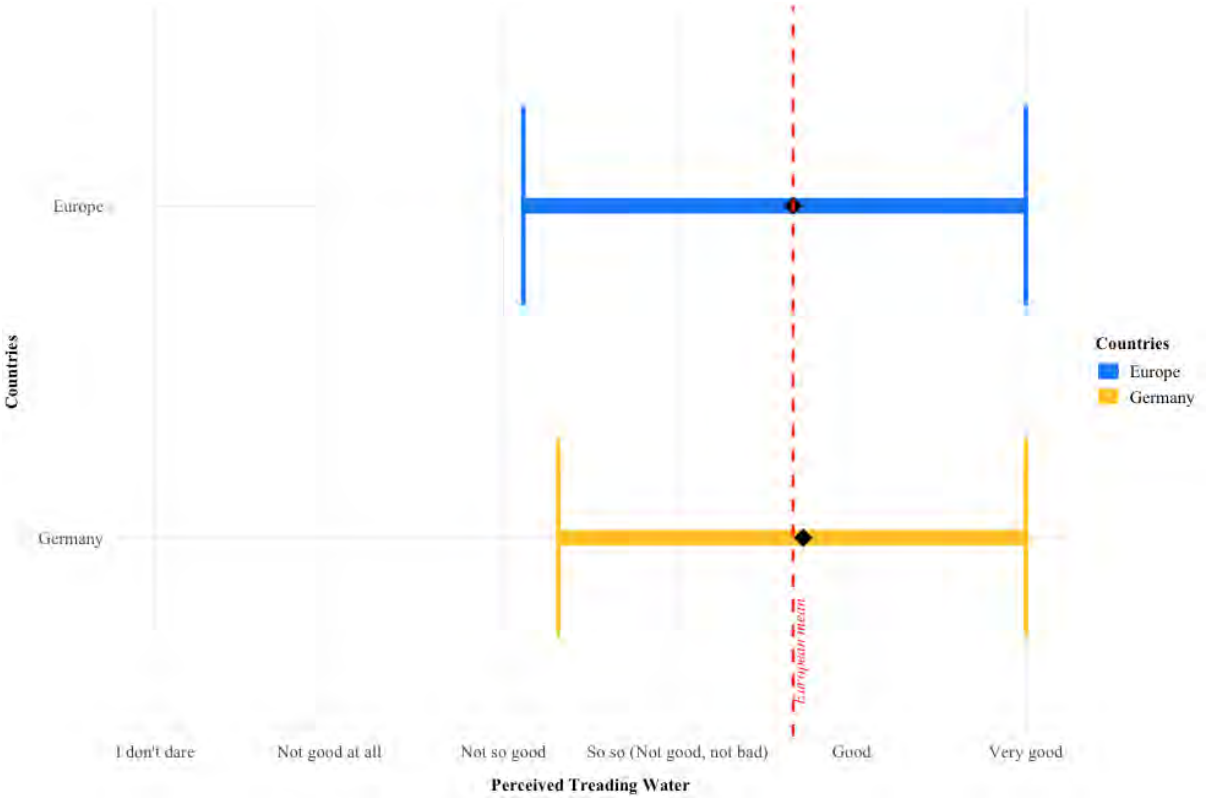


Figure 291. Distribution of the Perceived Treading Water in Europe and in Germany (Mean±SD).

Table 502. Comparative Analysis of the Perceived Treading Water at School in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	545	2,299	0.78	0.01 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

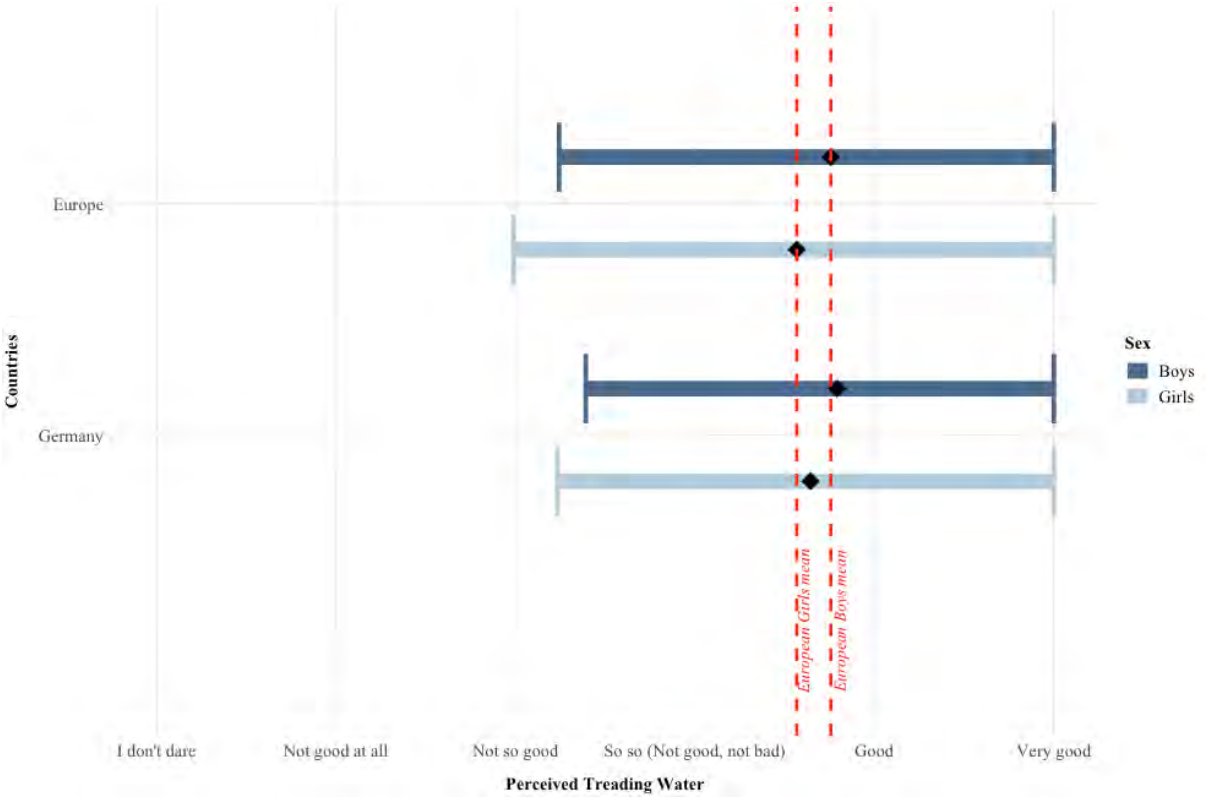


Figure 292. Distribution of the Perceived Treading Water according to the Sex in Europe and in Germany (Mean±SD).

Table 503. Comparative Analysis of the Perceived Treading Water in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	281	1,151	0.77	0.007 [a]	0.06 [1]
	Girls	264	1,148	0.91	0.003 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 504. Comparative Analysis of the Perceived Treading Water in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	281	264	0.12	0.06 [a]	0.32 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

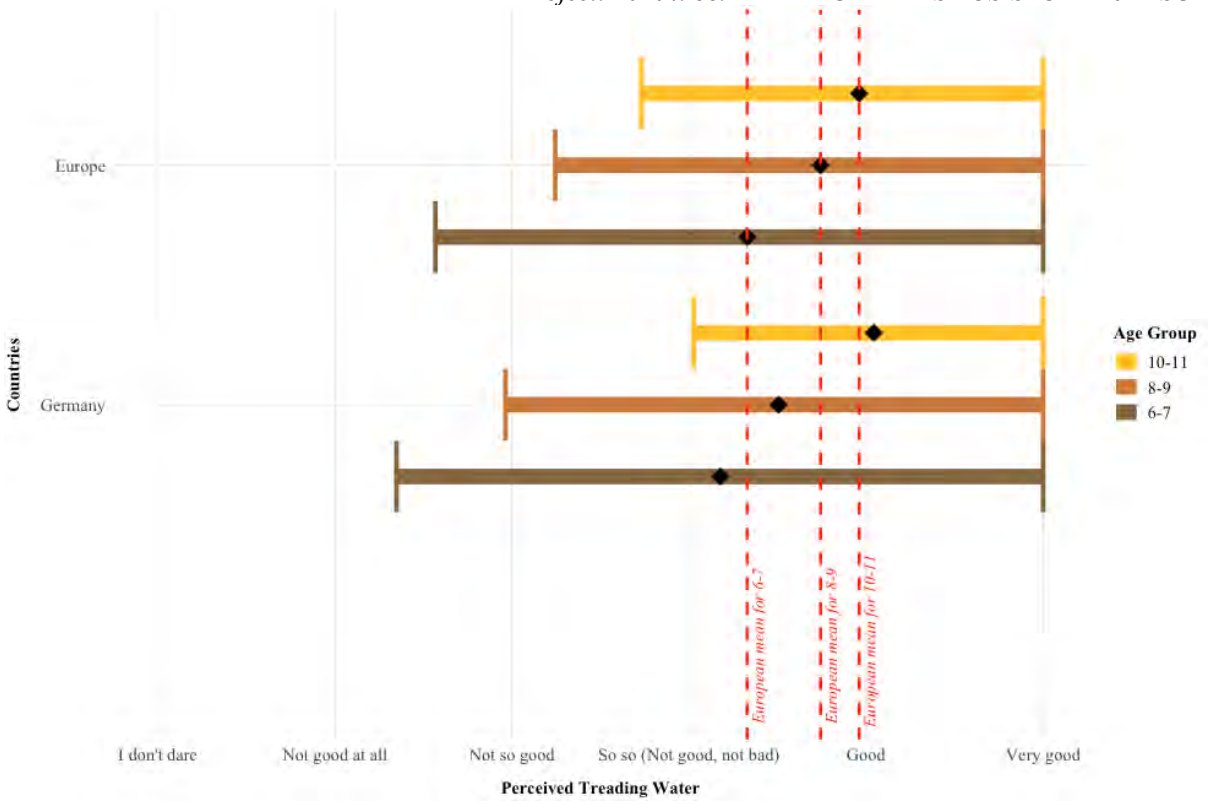


Figure 293. Distribution of the Perceived Treading Water according to the Age Group in Europe and in Germany (Mean±SD).

Table 505. Comparative Analysis of the Perceived Treading Water in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	96	751	0.56	0.02 [a]	0.06 [1]
	8-9 yo	172	965	0.03 *	0.06 [a]	0.32 [1]
	10-11 yo	277	583	0.96	0.001 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 506. Comparative Analysis of the Perceived Treading Water in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	96	172		0.64	0.06 [a]	0.14 [1]
	8-9 yo *vs* 10-11 yo		172	277	0.003 **	0.13 [a]	0.8 [3]
	6-7 yo *vs* 10-11 yo	96		277	0.001 **	0.16 [a]	0.77 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

6. Perceived propulsion on the back

Overview

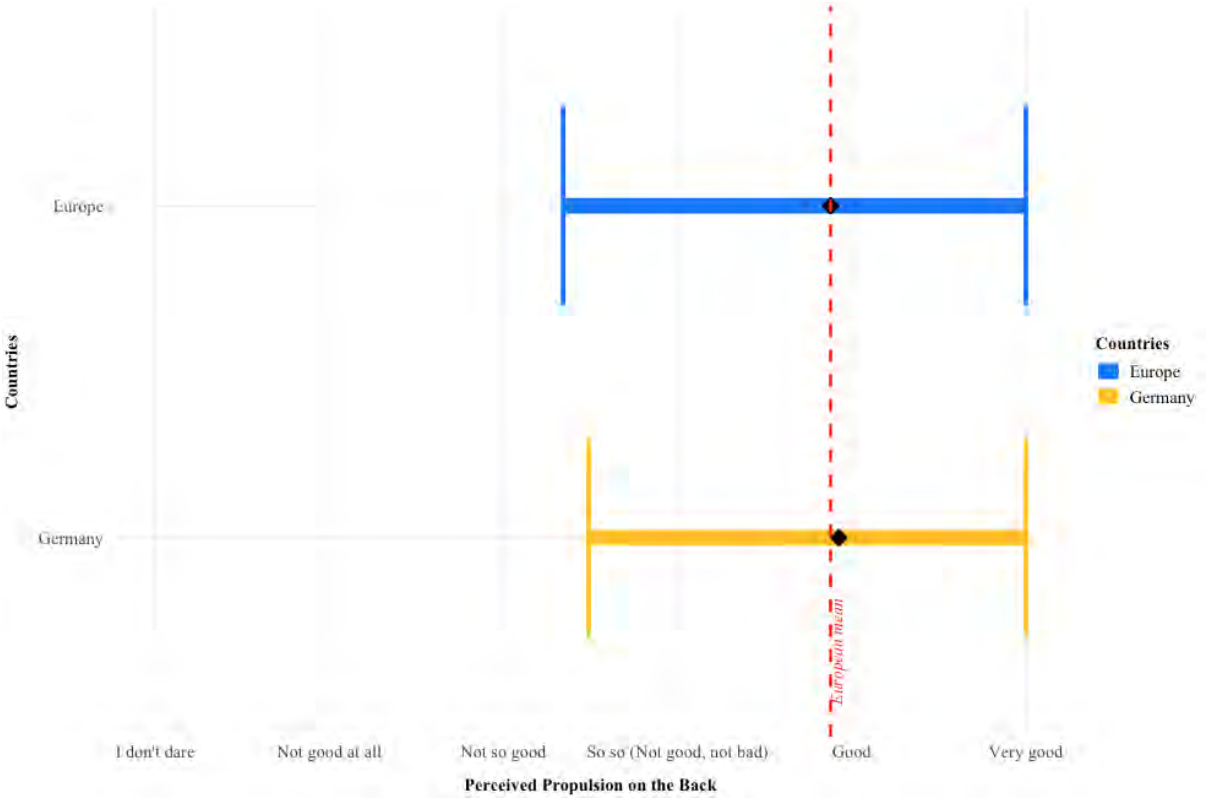


Figure 294. Distribution of the Perceived Propulsion on the Back in Europe and in Germany (Mean±SD).

Table 507. Comparative Analysis of the Perceived Propulsion on the Back in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* **Europe**	539	2,263	0.99	2.3^{e-04} [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

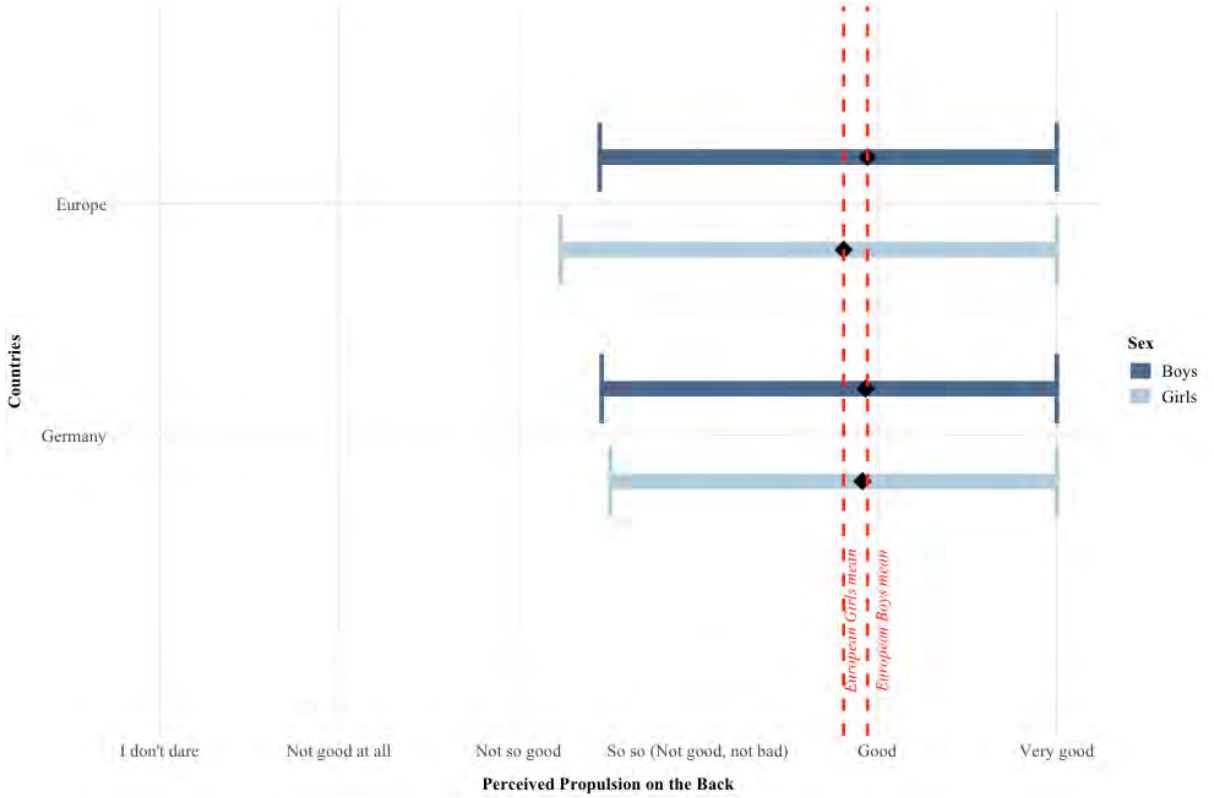


Figure 295. Distribution of the Perceived Propulsion on the Back according to the Sex in Europe and in Germany (Mean±SD).

Table 508. Comparative Analysis of the Perceived Propulsion on the Back in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	Boys	276	1,133	0.76	0.03 [a]	0.13 [1]
	Girls	263	1,130	0.77	0.007 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 509. Comparative Analysis of the Perceived Propulsion on the Back in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany	Boys *vs* Girls	276	263	0.55	0.02 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

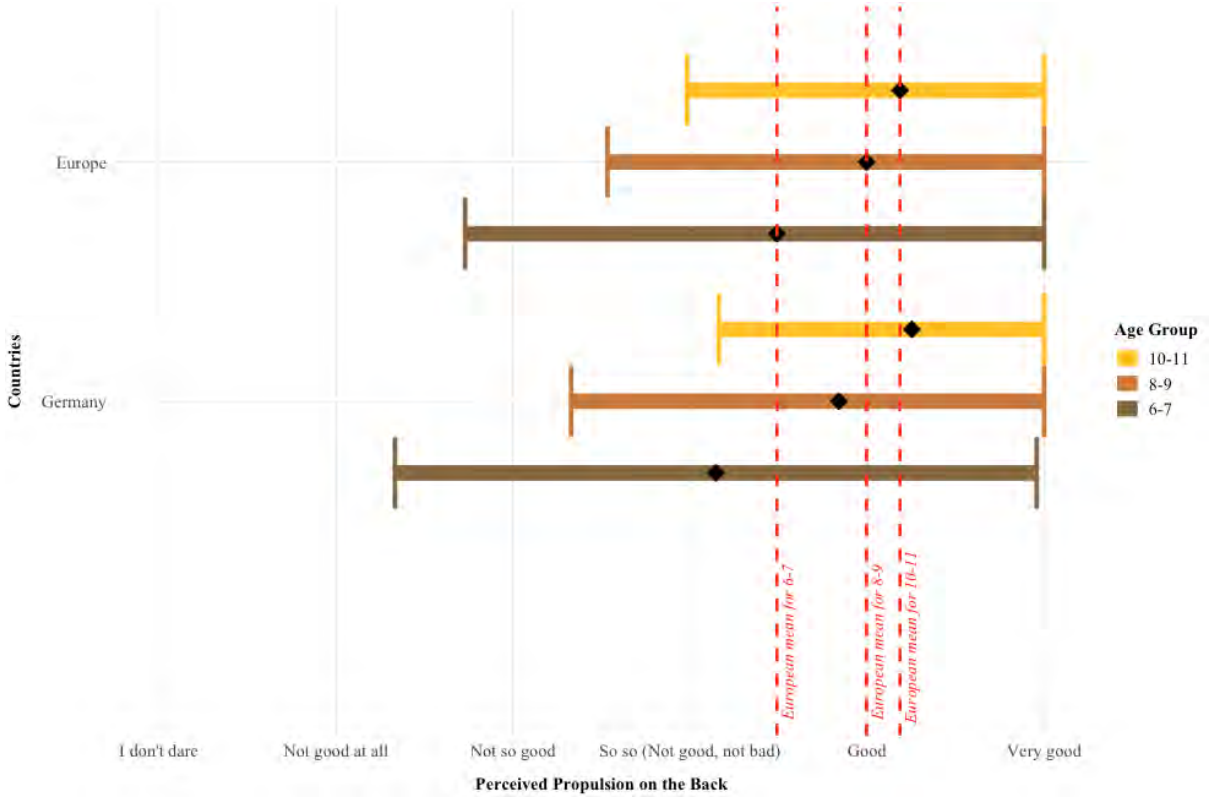


Figure 296. Distribution of the Perceived Propulsion on the Back according to the Age Group in Europe and in Germany (Mean±SD).

Table 510. Comparative Analysis of the Perceived Propulsion on the Back in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	96	744	0.06	0.06 [a]	0.2 [1]
	8-9 yo	170	944	0.21	0.03 [a]	0.13 [1]
	10-11 yo	273	575	0.7	0.01 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 511. Comparative Analysis of the Perceived Propulsion on the Back in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	96	170		0.002 **	0.18 [a]	0.81 [3]
	8-9 yo *vs* 10-11 yo		170	273	0.05 *	0.08 [a]	0.42 [1]
	6-7 yo *vs* 10-11 yo	96		273	2.24^{e-07} ****	0.25 [b]	0.99 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

7. Perceived propulsion on the belly

Overview

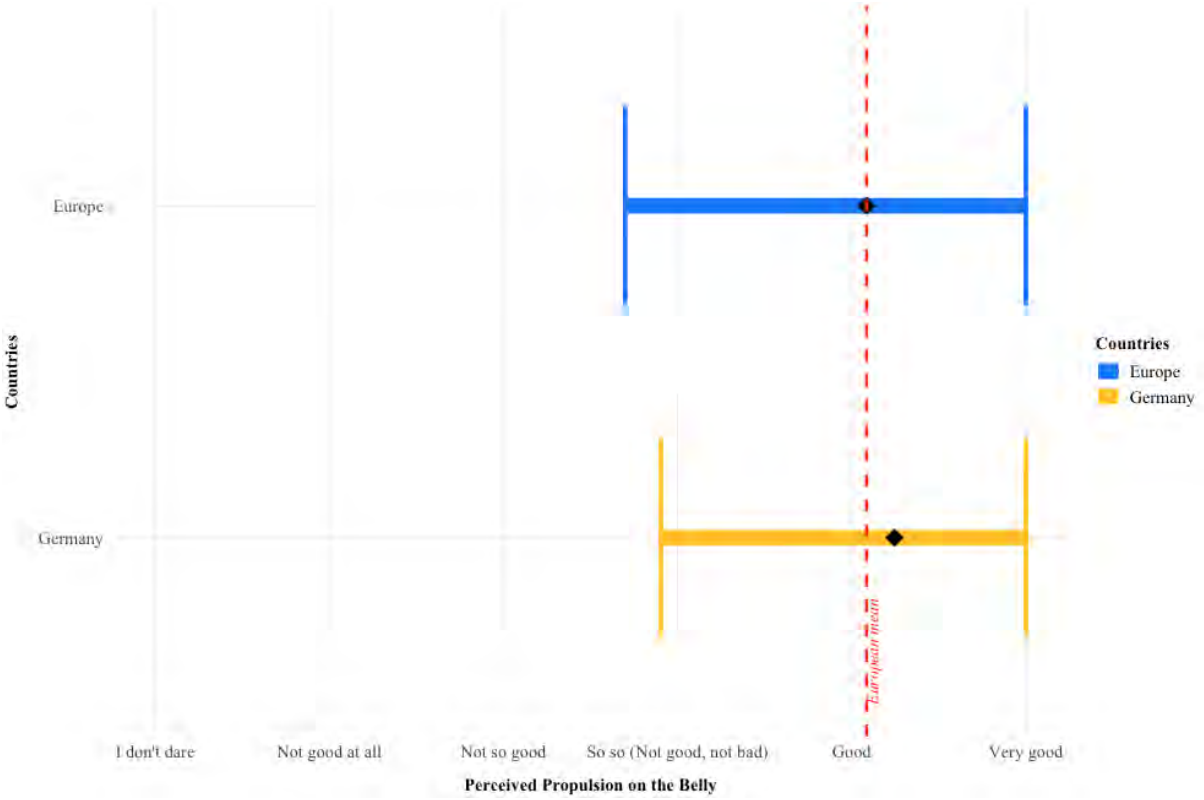


Figure 297. Distribution of the Perceived Propulsion on the Belly in Europe and in Germany (Mean±SD).

Table 512. Comparative Analysis of the Perceived Propulsion on the Belly in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	543	2,254	8.6^{e-04} ***	0.11 [a]	0.65 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

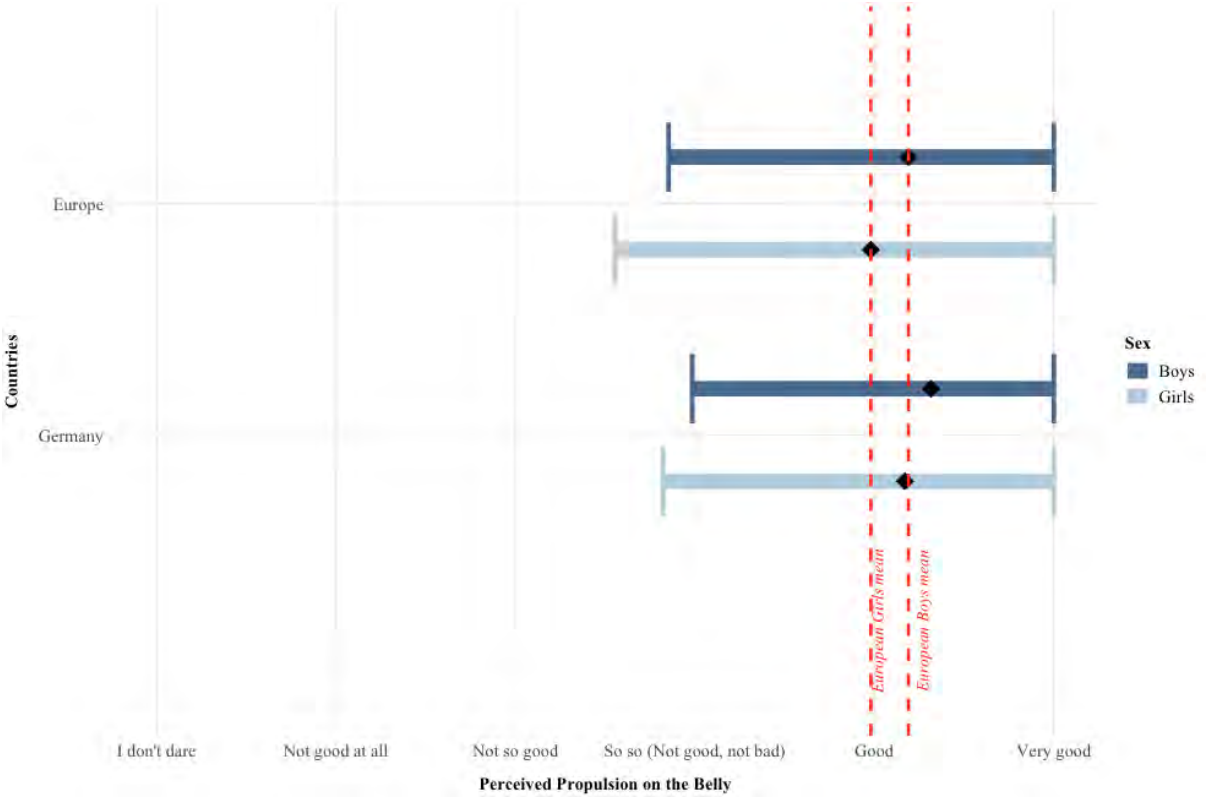


Figure 298. Distribution of the Perceived Propulsion on the Belly according to the Sex in Europe and in Germany (Mean±SD).

Table 513. Comparative Analysis of the Perceived Propulsion on the Belly in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	Boys	279	1,123	0.03 *	0.05 [a]	0.34 [1]
	Girls	264	1,131	0.02 *	0.06 [a]	0.4 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 514. Comparative Analysis of the Perceived Propulsion on the Belly in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany	Boys *vs* Girls	279	264	0.04 *	0.07 [a]	0.4 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

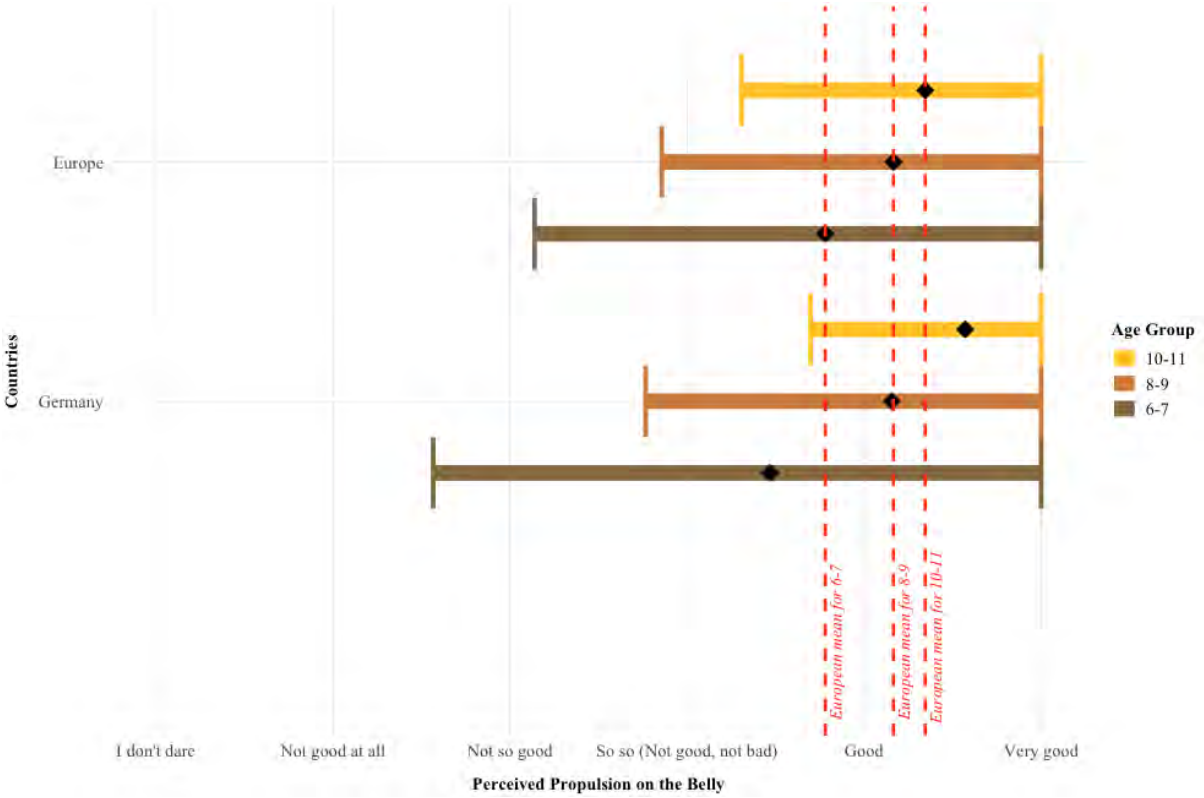


Figure 299. Distribution of the Perceived Propulsion on the Belly according to the Age Group in Europe and in Germany (Mean±SD).

Table 515. Comparative Analysis of the Perceived Propulsion on the Belly in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	96	737	0.29	0.03 [a]	0.09 [1]
	8-9 yo	172	949	0.69	0.01 [a]	0.06 [1]
	10-11 yo	275	275	1.91^{e-04} ***	0.11 [a]	0.85 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 516. Comparative Analysis of the Perceived Propulsion on the Belly in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	96	172		0.01 **	0.14 [a]	0.58 [2]
	8-9 yo *vs* 10-11 yo		172	275	0.004 **	0.11 [a]	0.64 [2]
	6-7 yo *vs* 10-11 yo	96		275	4.67^{e-07} ***	0.21 [b]	0.96 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

8. Perceived submersion

Overview

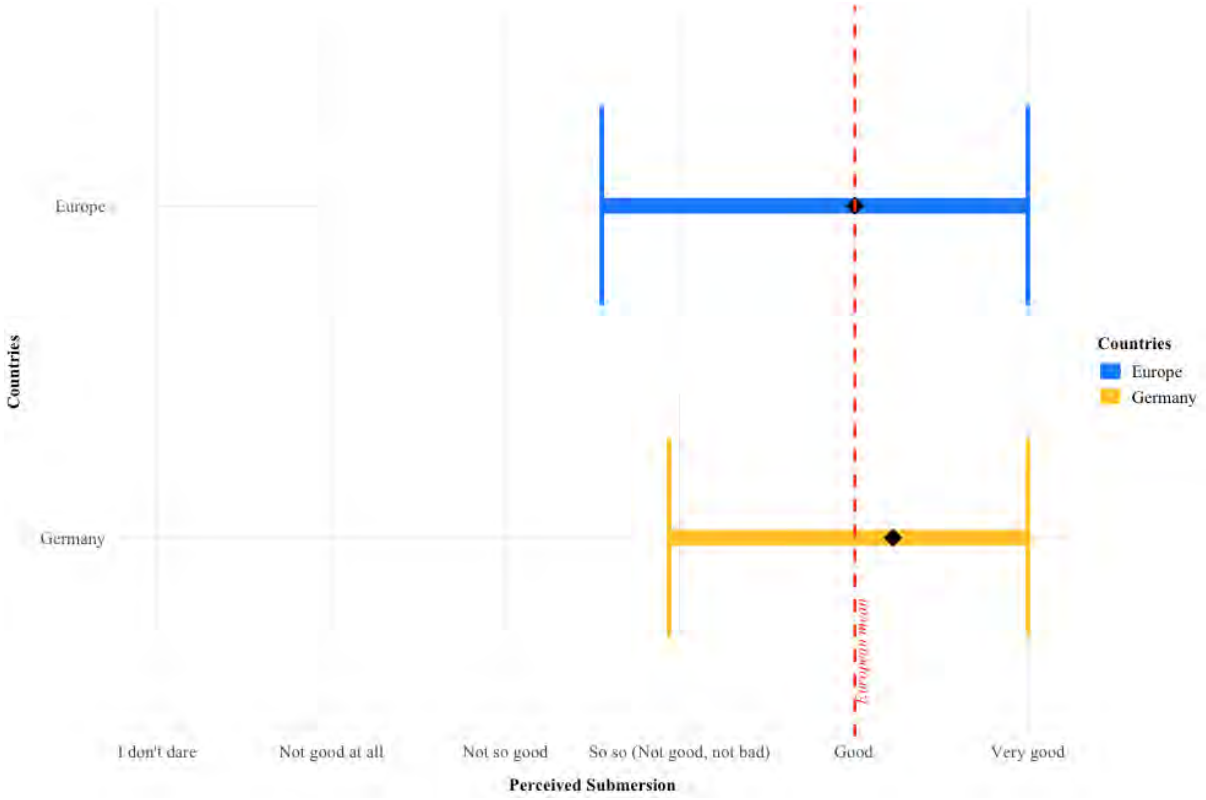


Figure 300. Distribution of the Perceived Submersion in Europe and in Germany (Mean±SD).

Table 517. Comparative Analysis of the Perceived Submersion in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* **Europe**	546	2,255	0.002 **	0.1 [a]	0.6 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

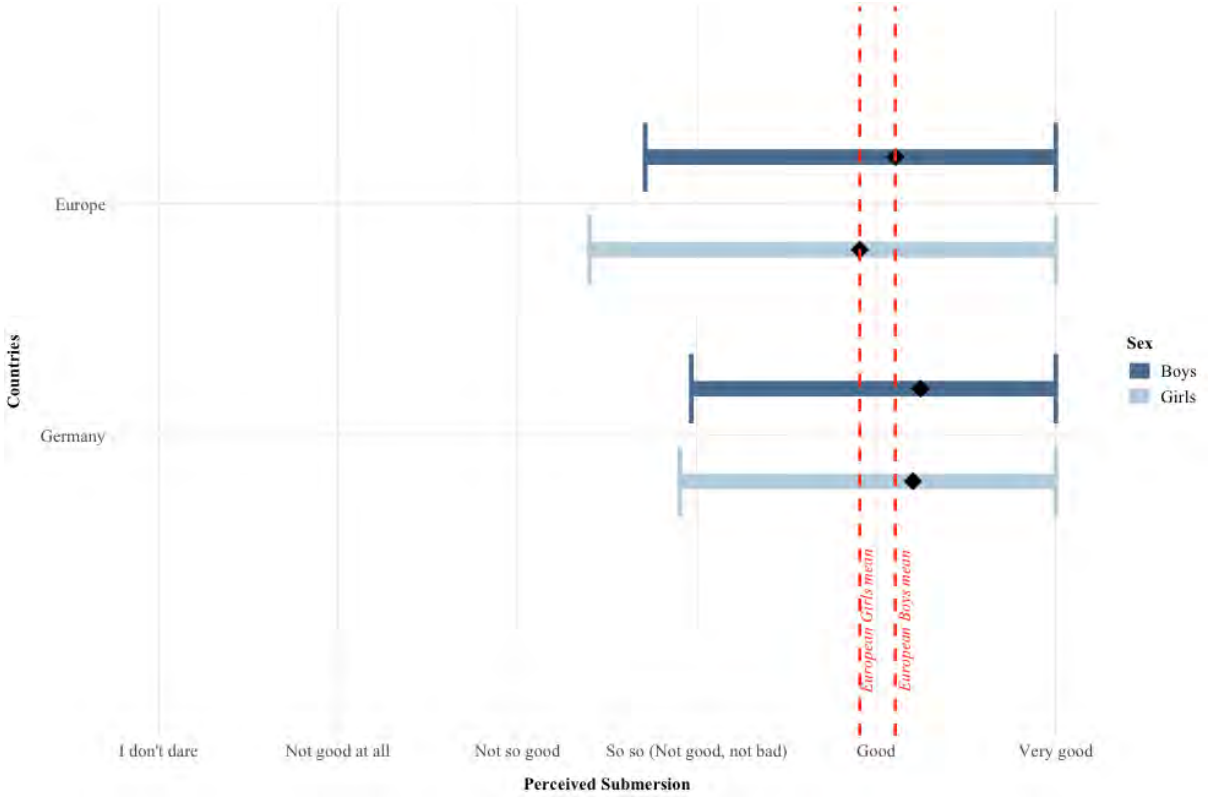


Figure 301. Distribution of the Perceived Submersion according to the Sex in Europe and in Germany (Mean±SD).

Table 518. Comparative Analysis of the Perceived Submersion in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	281	1,126	0.16	0.03 [a]	0.17 [1]
	Girls	265	1,129	0.003 **	0.07 [a]	0.56 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 519. Comparative Analysis of the Perceived Submersion in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	281	265	0.54	0.02 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

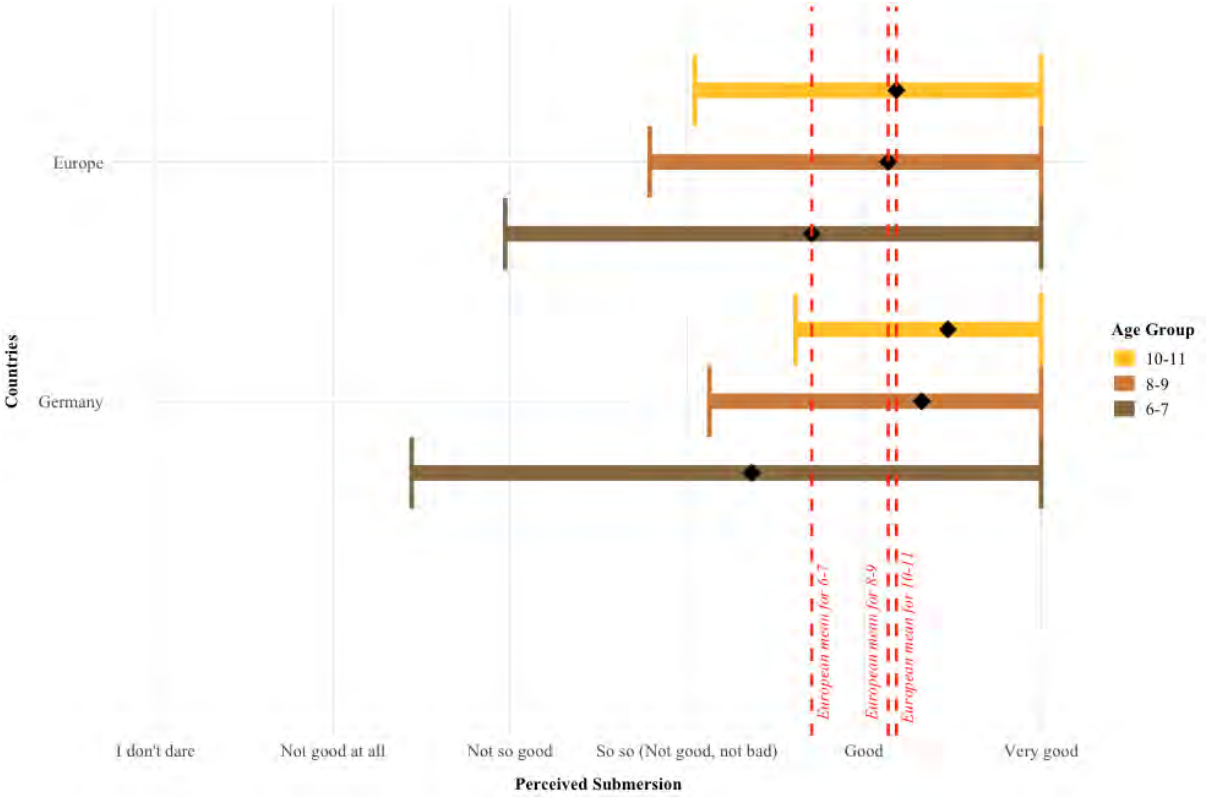


Figure 302. Distribution of the Perceived Submersion according to the Age Group in Europe and in Germany (Mean±SD).

Table 520. Comparative Analysis of the Perceived Submersion in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	99	738	0.1	0.05 [a]	0.16 [1]
	8-9 yo	172	947	0.08	0.04 [a]	0.19 [1]
	10-11 yo	275	570	2.38^{e-04} ***	0.11 [a]	0.87 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 521. Comparative Analysis of the Perceived Submersion in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	99	172		6.2^{e-05} ***	0.22 [b]	0.93 [4]
	8-9 yo *vs* 10-11 yo		172	275	0.8	0.01 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	99		275	1.9^{e-06} ***	0.22 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

9. Perceived floating

Overview

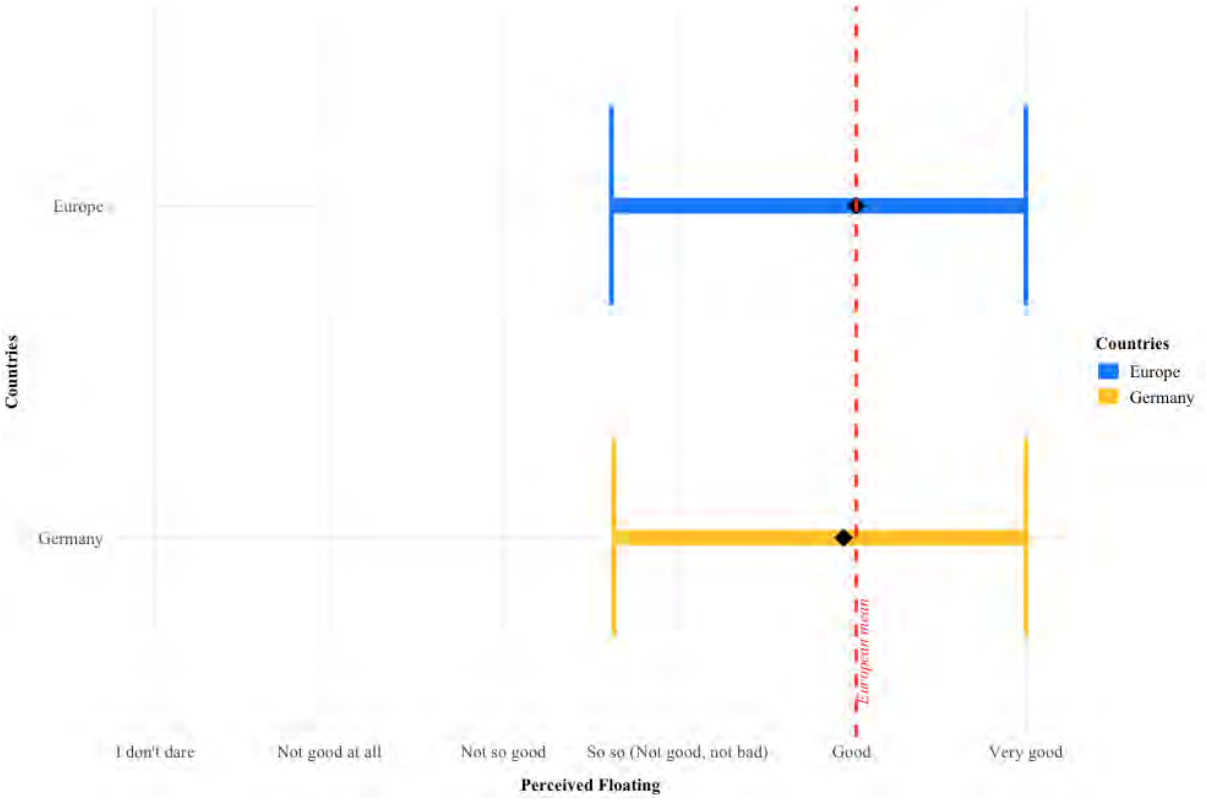


Figure 303. Distribution of the Perceived Floating in Europe and in Germany (Mean±SD).

Table 522. Comparative Analysis of the Perceived Floating in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	539	2,271	0.01 **	0.09 [a]	0.45 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

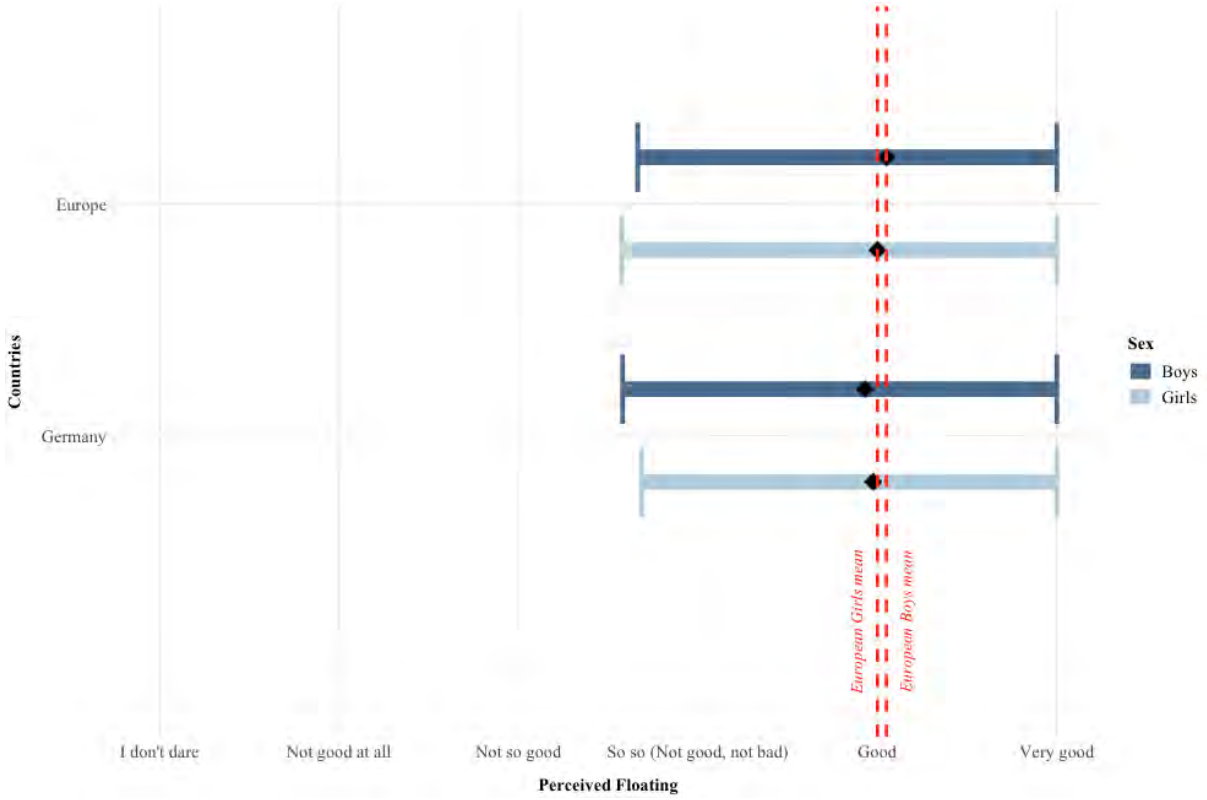


Figure 304. Distribution of the Perceived Floating according to the Sex in Europe and in Germany (Mean±SD).

Table 523. Comparative Analysis of the Perceived Floating in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	276	1,135	0.03 *	0.05 [a]	0.33 [1]
	Girls	263	1,136	0.14	0.04 [a]	0.19 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 524. Comparative Analysis of the Perceived Floating in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	276	263	0.89	0.005 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

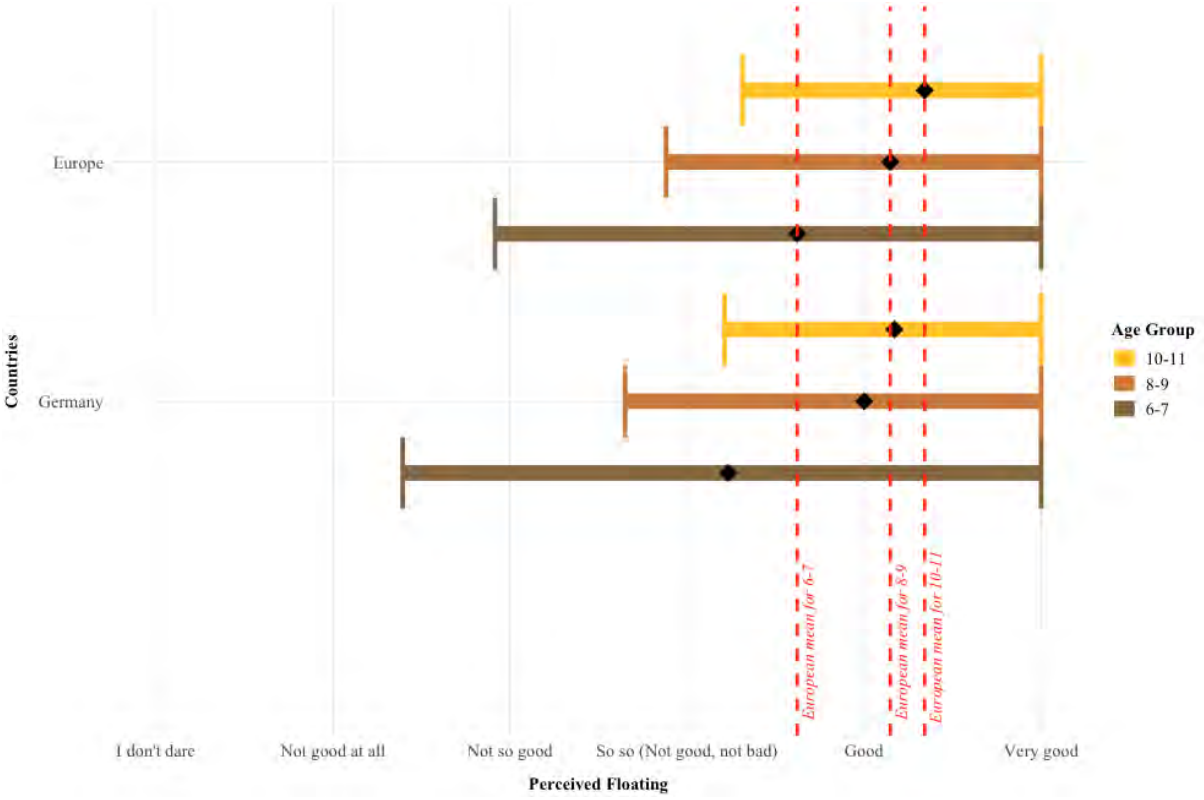


Figure 305. Distribution of the Perceived Floating according to the Age Group in Europe and in Germany (Mean±SD).

Table 525. Comparative Analysis of the Perceived Floating in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	94	742	0.03 *	0.07 [a]	0.24 [1]
	8-9 yo	171	953	0.22	0.03 [a]	0.12 [1]
	10-11 yo	274	576	3.2^{e-04} ***	0.11 [a]	0.86 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 526. Comparative Analysis of the Perceived Floating in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	94	171		0.001 **	0.19 [a]	0.84 [3]
	8-9 yo *vs* 10-11 yo		171	274	0.93	0.004 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	94		274	3^{e-04} ***	0.18 [a]	0.85 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

e. Enjoyment

1. Swimming lessons at school

Overview

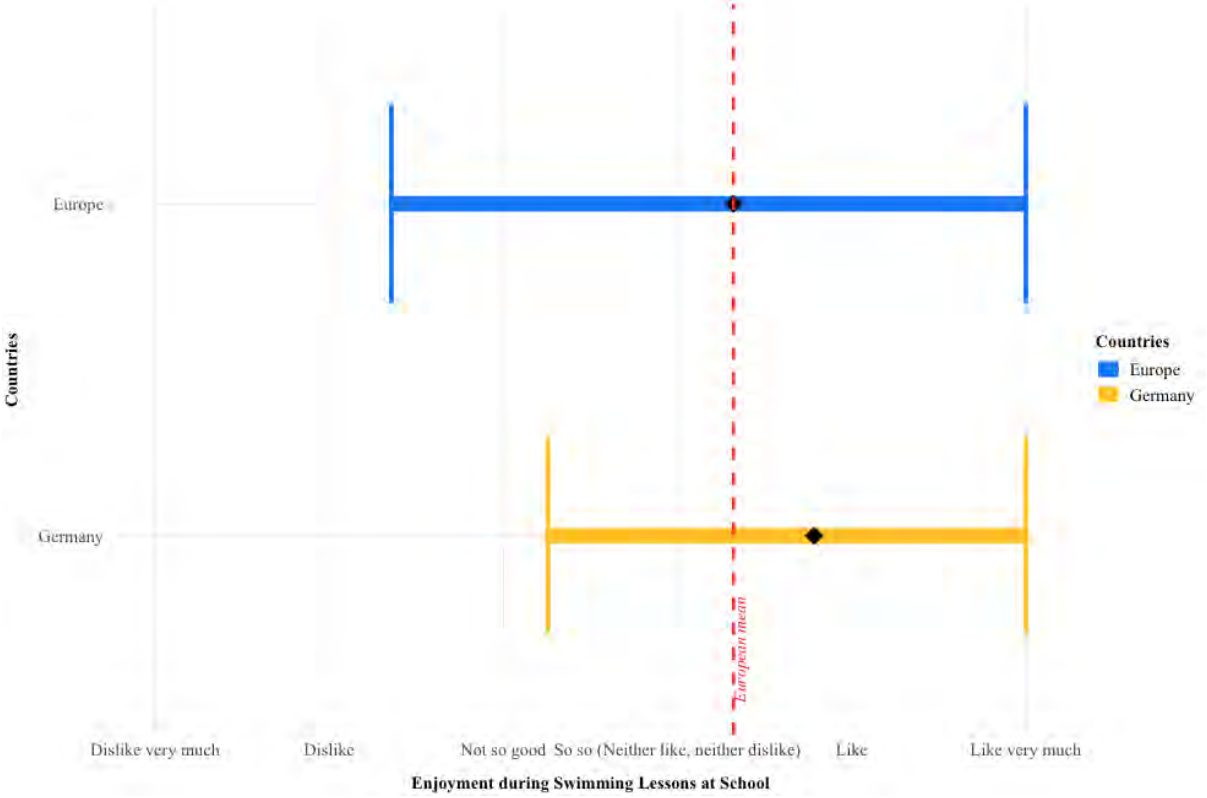


Figure 306. Distribution of the Enjoyment during Swimming Lessons at School in Europe and in Germany (Mean±SD).

Table 527. Comparative Analysis of the Enjoyment during Swimming Lessons at School in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	486	2,288	1.6^{e-04} ***	0.14 [a]	0.78 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

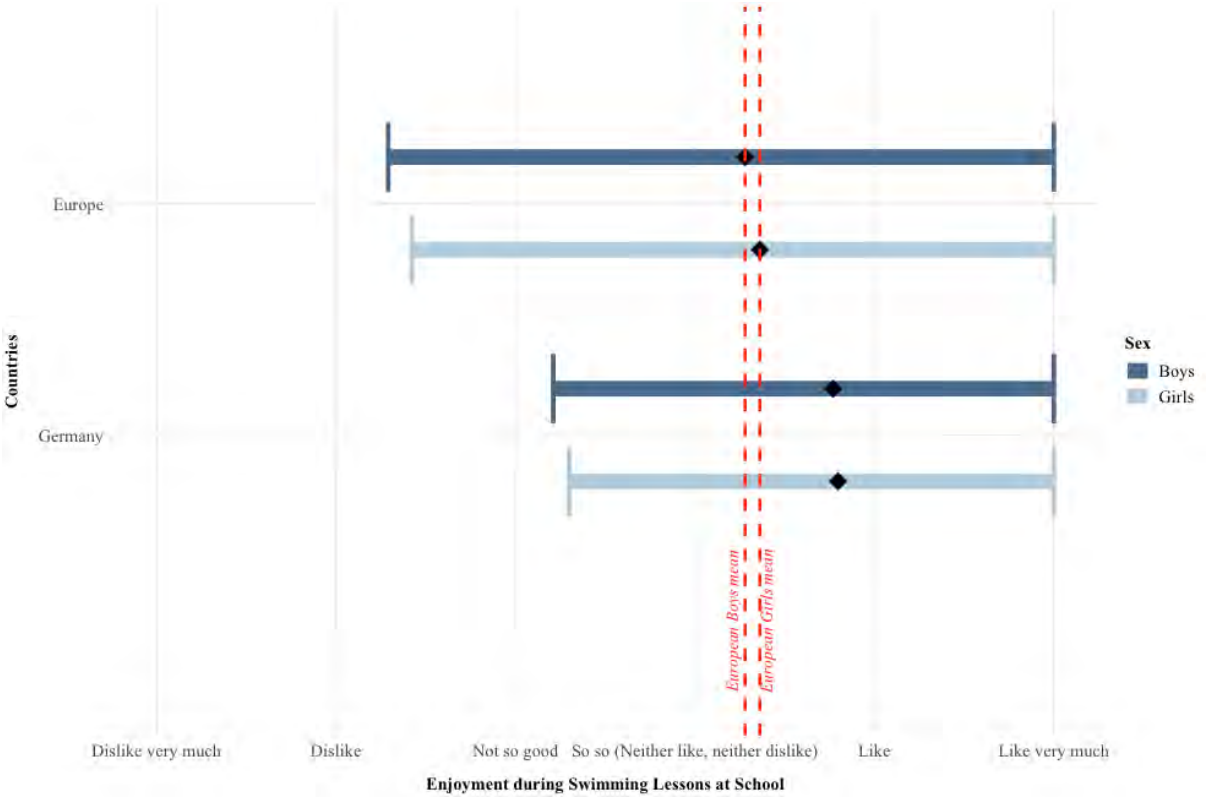


Figure 307. Distribution of the Enjoyment during Swimming Lessons at School according to the Sex in Europe and in Germany (Mean±SD).

Table 528. Comparative Analysis of the Enjoyment during Swimming Lessons at School in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	244	1,143	0.003 **	0.08 [a]	0.58 [2]
	Girls	242	1,145	0.02 *	0.06 [a]	0.4 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 529. Comparative Analysis of the Enjoyment during Swimming Lessons at School in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	244	242	0.92	0.004 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

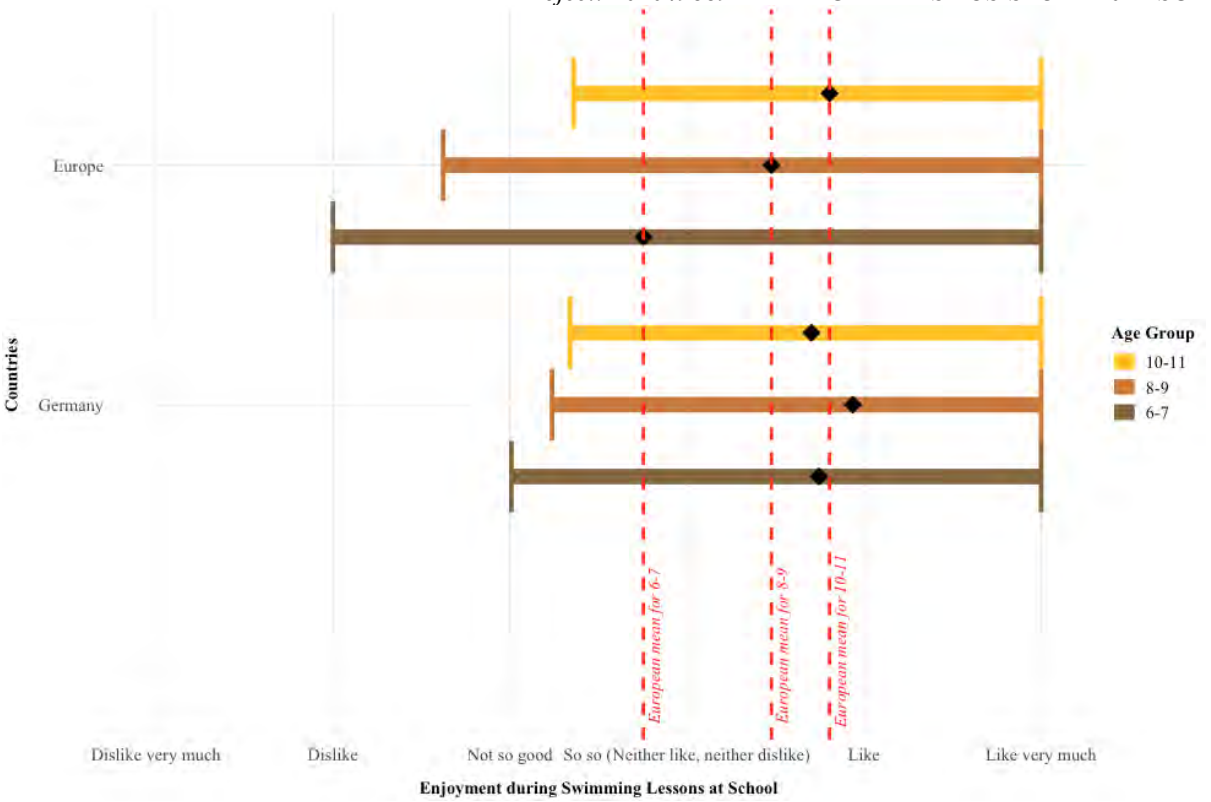


Figure 308. Distribution of the Enjoyment during Swimming Lessons at School according to the Age Group in Europe and in Germany (Mean±SD).

Table 530. Comparative Analysis of the Enjoyment during Swimming Lessons at School in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	59	758	2.6^{e-04} ***	0.12 [a]	0.43 [1]
	8-9 yo	158	941	2.5^{e-04} ***	0.1 [a]	0.68 [2]
	10-11 yo	269	589	0.1	0.05 [a]	0.3 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 531. Comparative Analysis of the Enjoyment during Swimming Lessons at School in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	59	158		0.67	0.03 [a]	0.06 [1]
	8-9 yo *vs* 10-11 yo		158	269	4.5^{e-04} ***	0.16 [a]	0.9 [1]
	6-7 yo *vs* 10-11 yo	59		269	0.16	0.07 [a]	0.17 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

2. Swimming lessons at school with friends

Overview

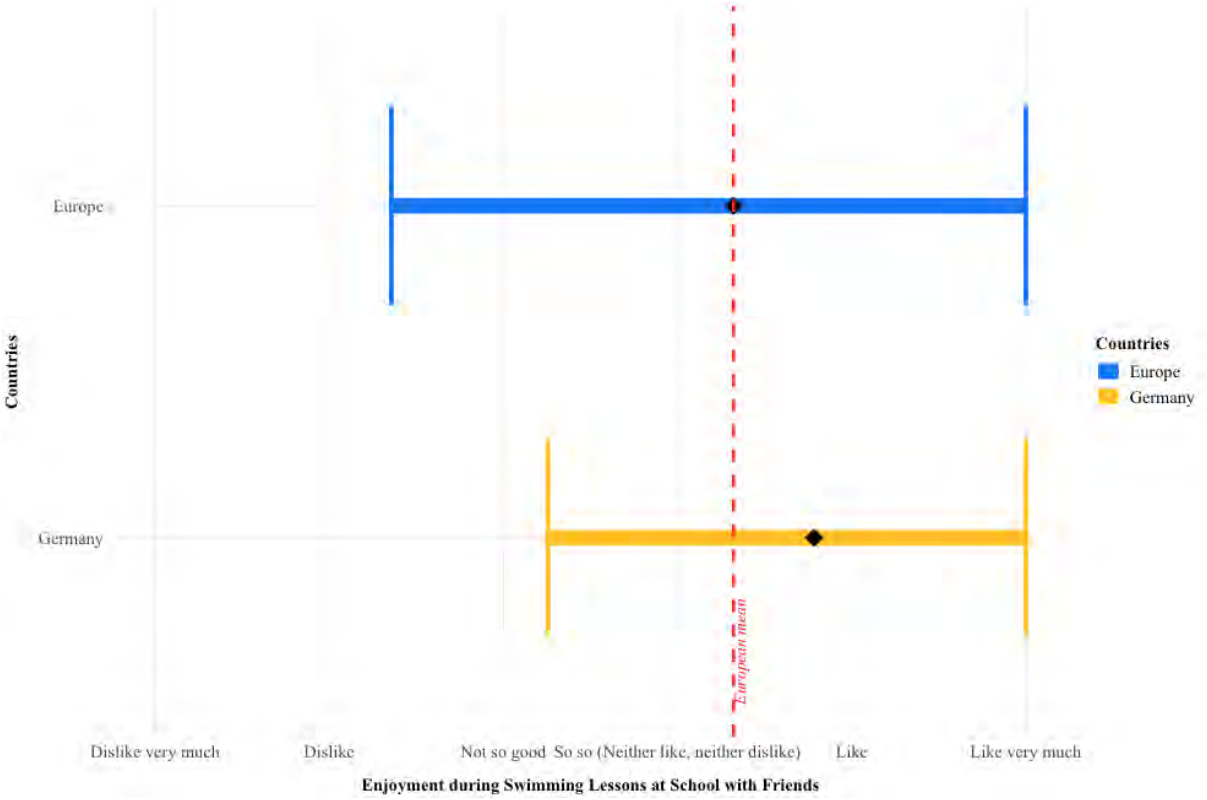


Figure 309. Distribution of the Enjoyment during Swimming Lessons at School with Friends in Europe and in Germany (Mean±SD).

Table 532. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	486	2,288	1.6^{e-04} ***	0.14 [a]	0.78 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

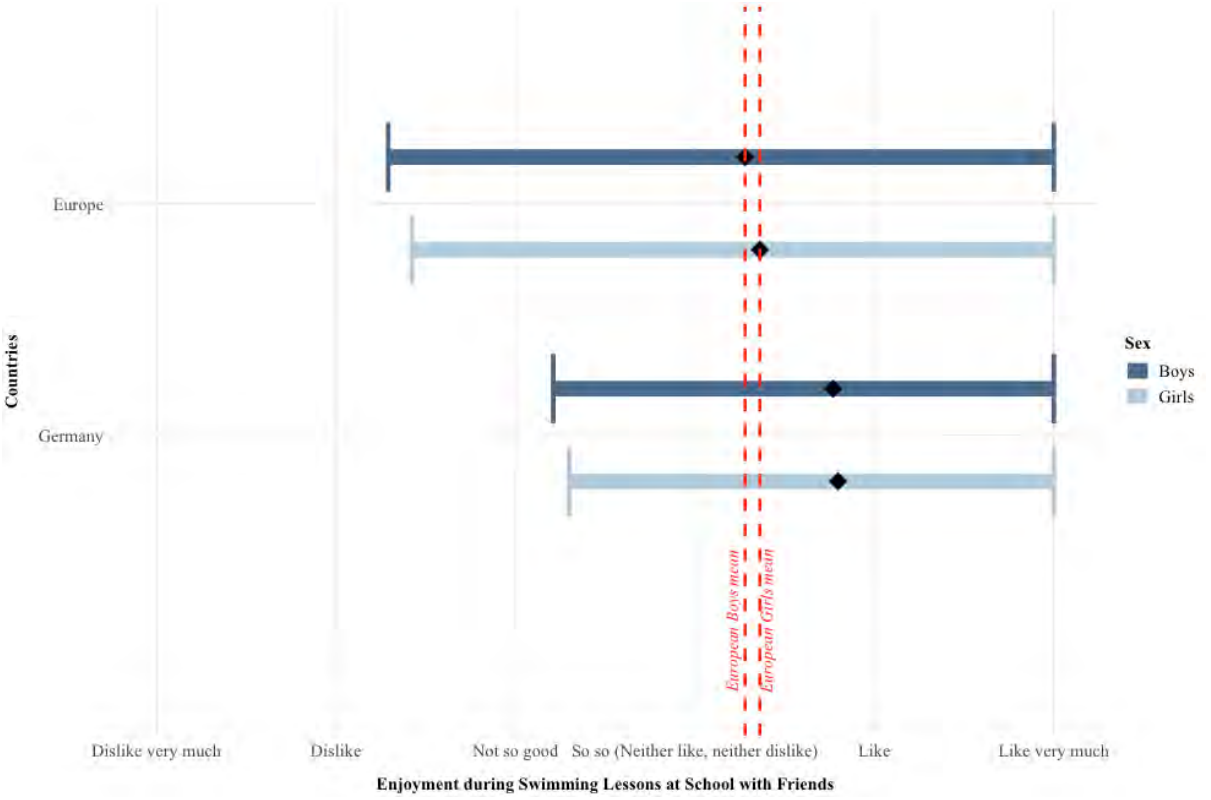


Figure 310. Distribution of the Enjoyment during Swimming Lessons at School with Friends according to the Sex in Europe and in Germany (Mean±SD).

Table 533. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	244	1,143	0.003 **	0.08 [a]	0.58 [2]
	Girls	242	1,145	0.02 *	0.06 [a]	0.4 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 534. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	244	242	0.92	0.004 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

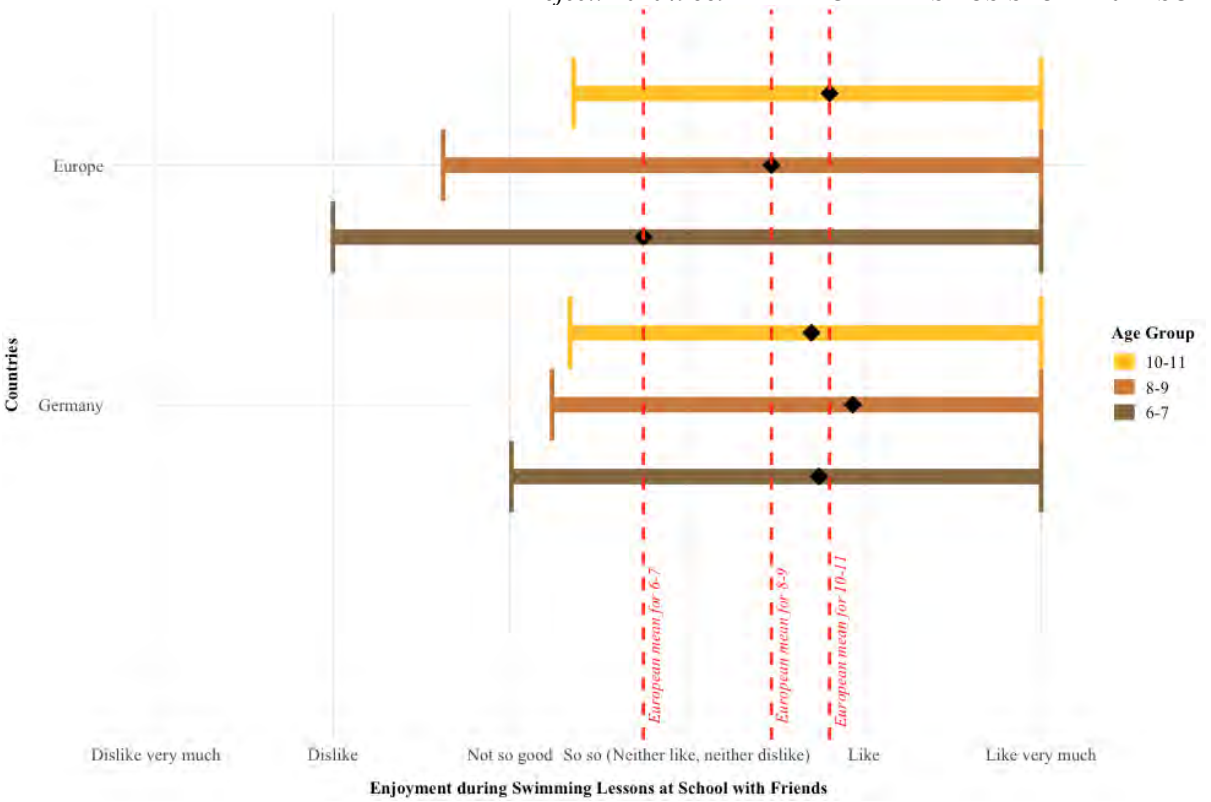


Figure 311. Distribution of the Enjoyment during Swimming Lessons at School with Friends according to the Age Group in Europe and in Germany (Mean±SD).

Table 535. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	59	758	2.6^{e-04} ***	0.12 [a]	0.43 [1]
	8-9 yo	158	941	2.5^{e-04} ***	0.1 [a]	0.68 [2]
	10-11 yo	269	589	0.1	0.05 [a]	0.3 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 536. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	59	158		0.67	0.02 [a]	0.06 [1]
	8-9 yo *vs* 10-11 yo		158	269	4.6^{e-04} ***	0.16 [a]	0.9 [3]
	6-7 yo *vs* 10-11 yo	59		269	0.16	0.07 [a]	0.17 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

3. Swimming lessons out-of-school

Overview

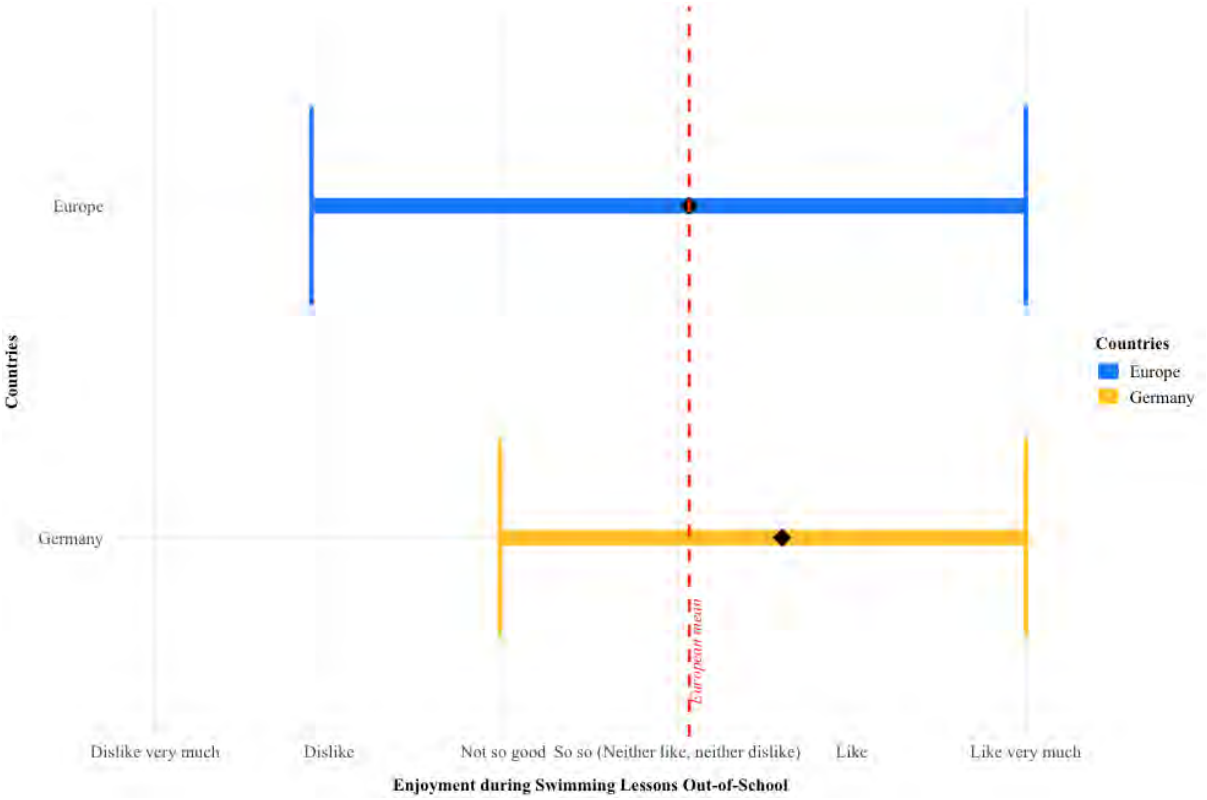


Figure 312. Distribution of the Enjoyment during Swimming Lessons Out-of-School in Europe and in Germany (Mean±SD).

Table 537. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	530	2,341	0.005 **	0.1	0.54 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

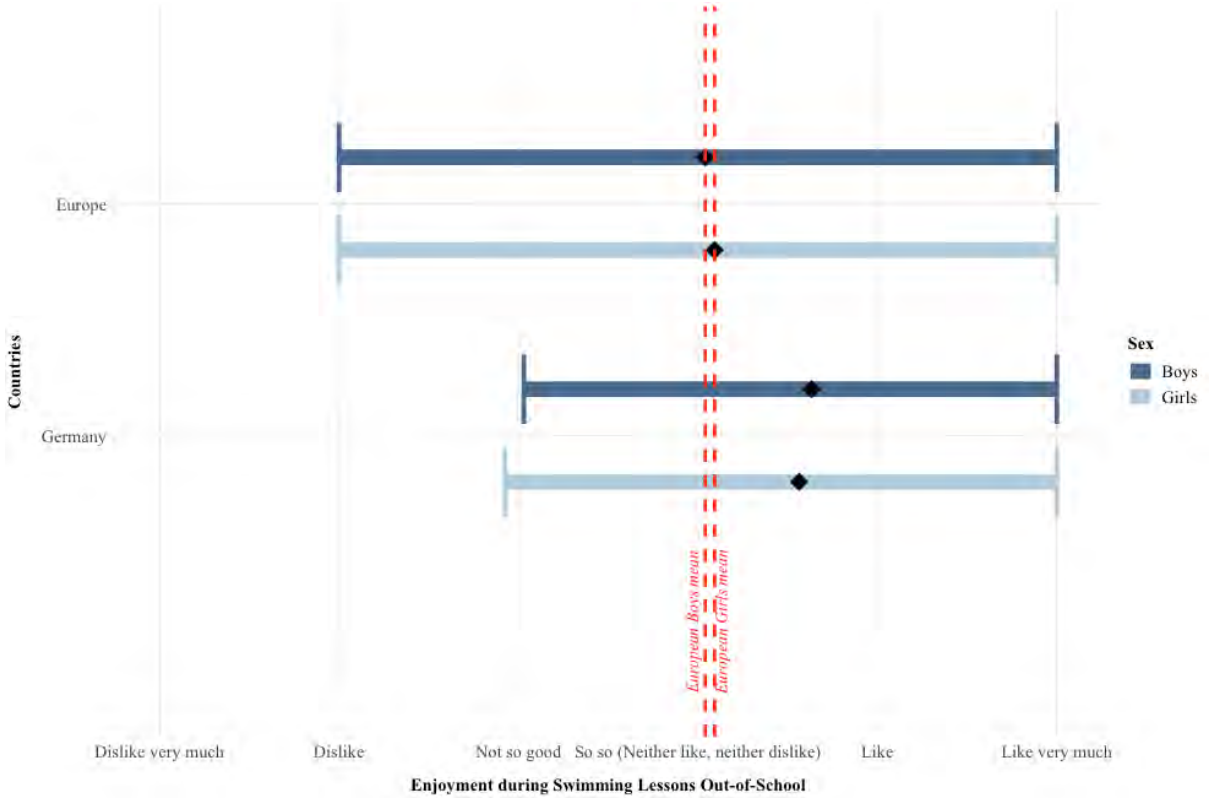


Figure 313. Distribution of the Enjoyment during Swimming Lessons Out-of-School according to the Sex in Europe and in Germany (Mean±SD).

Table 538. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	273	1,171	0.07	0.07 [a]	0.5 [2]
	Girls	257	1,170	0.22	0.03 [a]	0.14 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 539. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	273	257	0.54	0.02 [a]	0.09 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

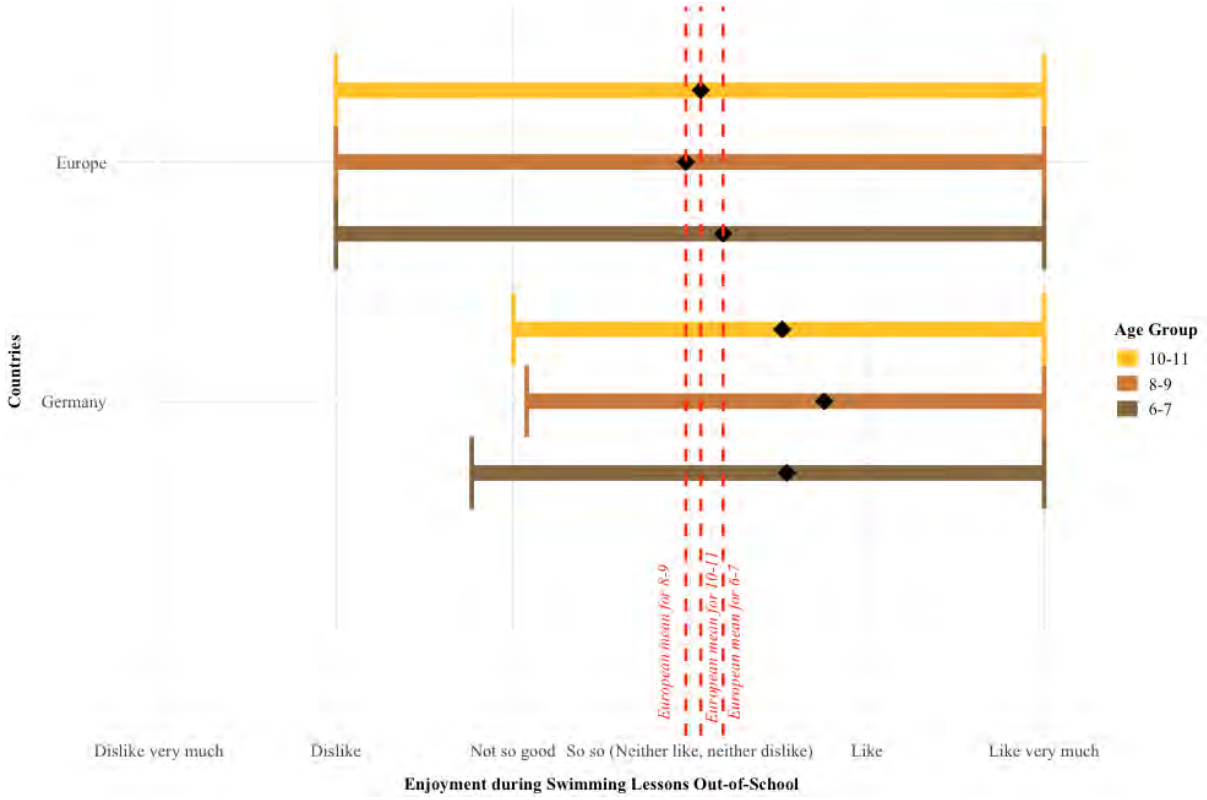


Figure 314. Distribution of the Enjoyment during Swimming Lessons Out-of-School according to the Age Group in Europe and in Germany (Mean±SD).

Table 540. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	97	770	0.28	0.03 [a]	0.09 [1]
	8-9 yo	166	166	1.6^{e-04} ***	0.1 [a]	0.71 [2]
	10-11 yo	267	596	0.3	0.3 [a]	0.15 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 541. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	97	166		0.45	0.04 [a]	0.1 [1]
	8-9 yo *vs* 10-11 yo		166	267	0.003 **	0.14 [a]	0.79 [2]
	6-7 yo *vs* 10-11 yo	97		267	0.16	0.07 [a]	0.22 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

4. Swimming lessons out-of-school with friends

Overview

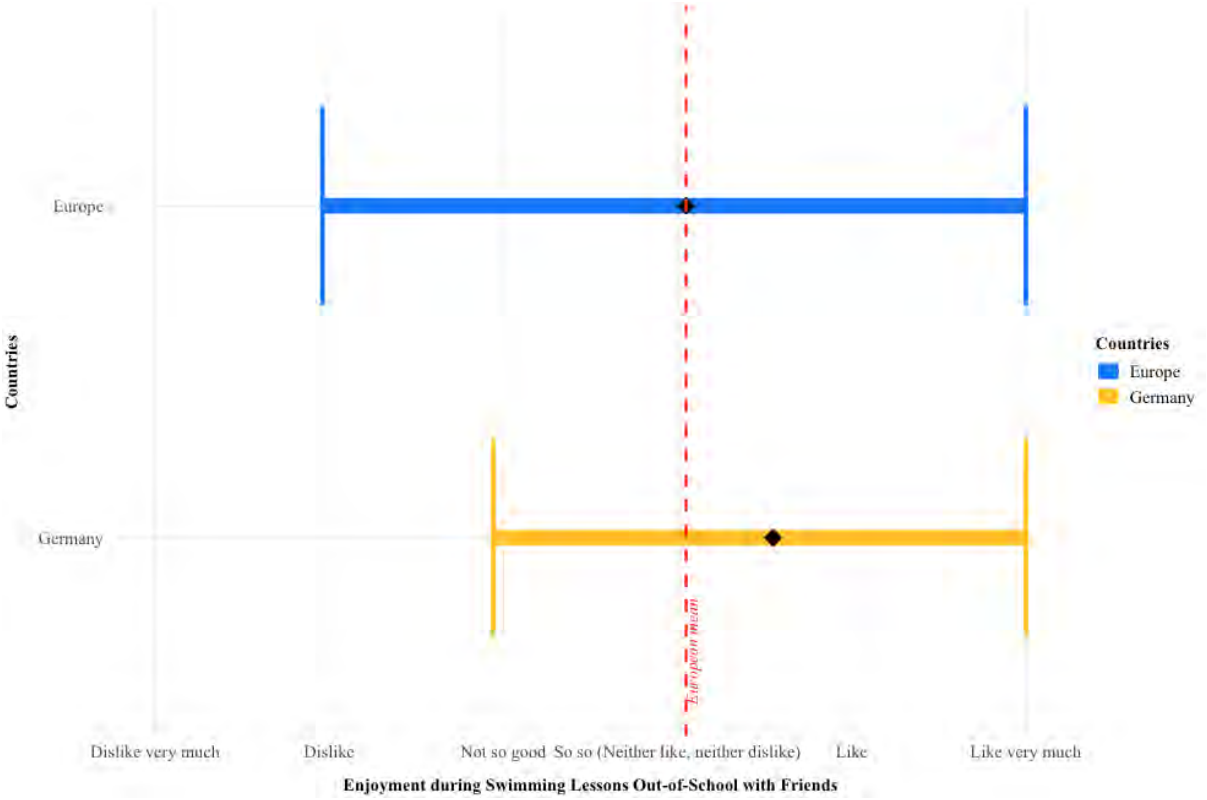


Figure 315. Distribution of the Enjoyment during Swimming Lessons Out-of-School with Friends in Europe and in Germany (Mean±SD).

Table 542. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	529	2,335	7.9^{e-04} ***	0.12 [a]	0.7 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

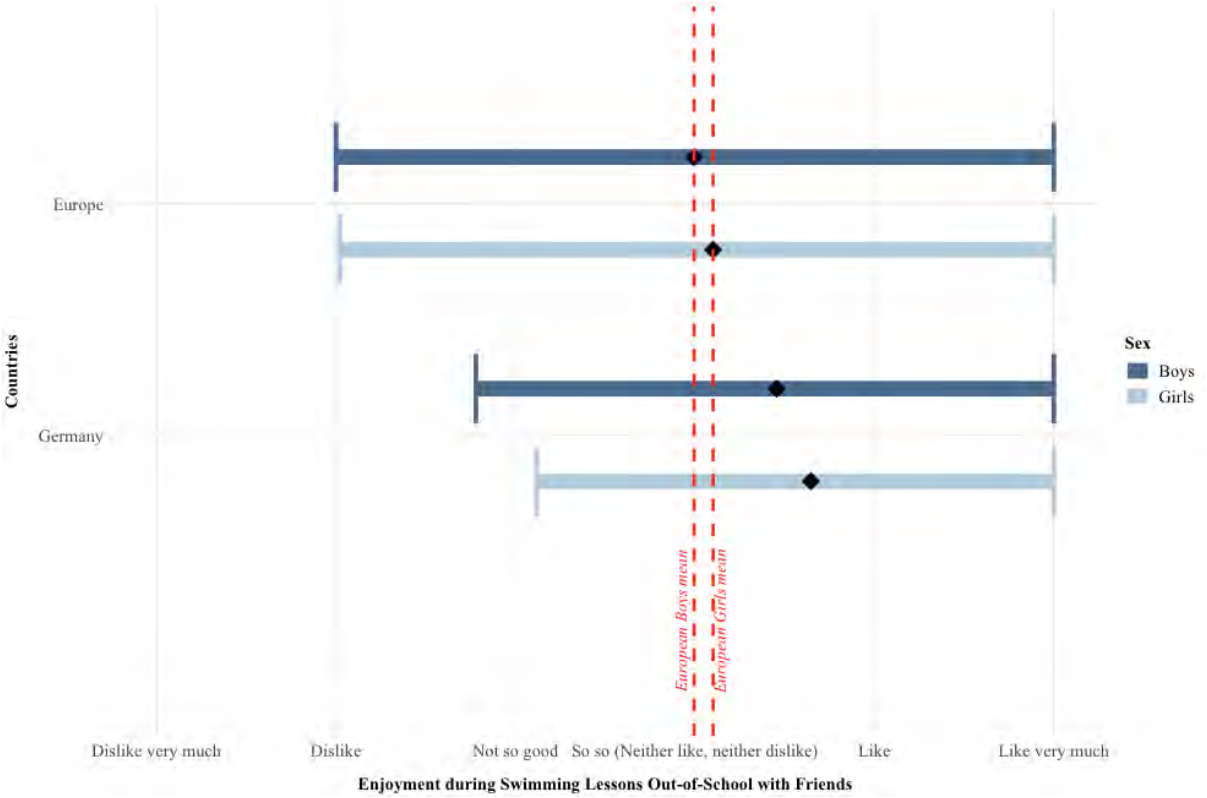


Figure 316. Distribution of the Enjoyment during Swimming Lessons Out-of-School with Friends according to the Sex the Sex in Europe and in Germany (Mean±SD).

Table 543. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	272	1,161	0.02 *	0.06 [a]	0.43 [1]
	Girls	257	1,174	0.02 *	0.06 [a]	0.41 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 544. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	272	257	0.33	0.04 [a]	0.15 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

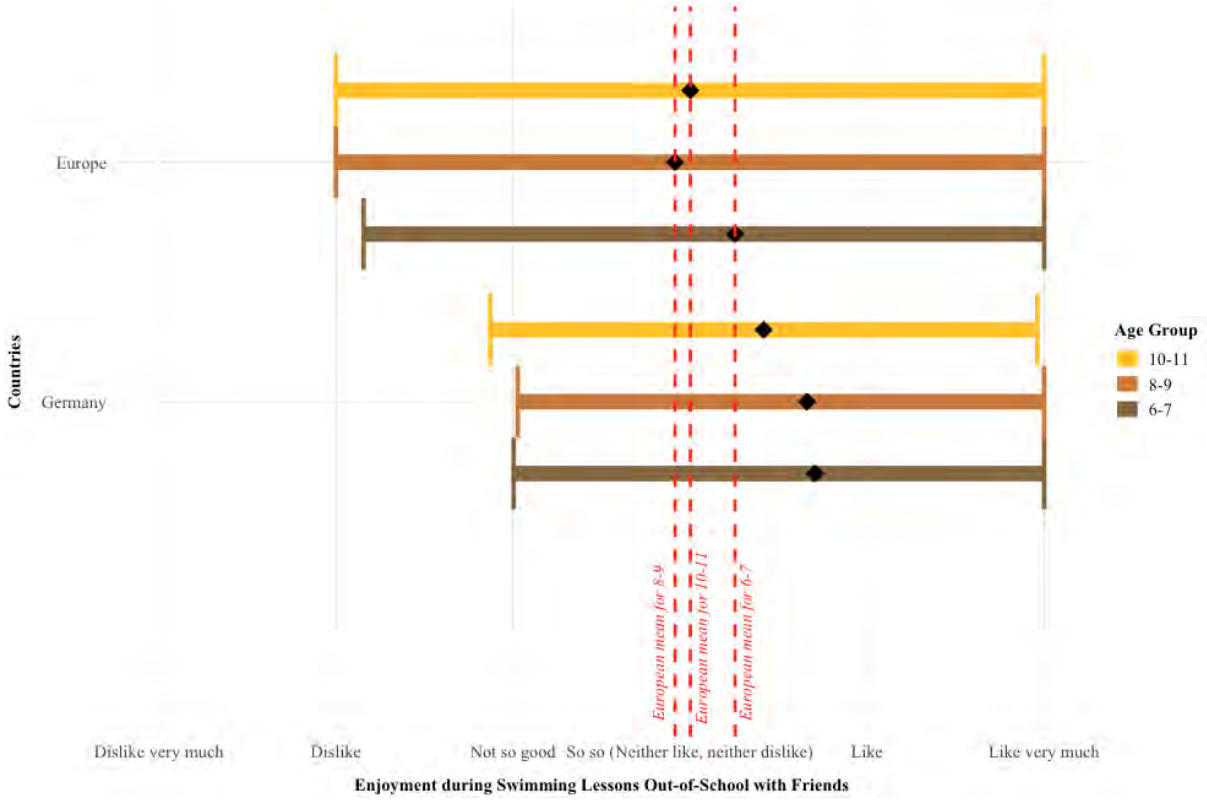


Figure 317. Distribution of the Enjoyment during Swimming Lessons Out-of-School with Friends according to the Age Group in Europe and in Germany (Mean±SD).

Table 545. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	99	768	0.02 *	0.07 [a]	0.26 [1]
	8-9 yo	168	970	8.2^{e-05} ***	0.11 [a]	0.77 [2]
	10-11 yo	262	597	0.17	0.04 [a]	0.23 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 546. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	99	168		0.39	0.05 [a]	0.12 [1]
	8-9 yo *vs* 10-11 yo		168	262	0.01 *	0.12 [a]	0.67 [2]
	6-7 yo *vs* 10-11 yo	99		262	0.005 **	0.14 [a]	0.68 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

5. Playing in the swimming pool

Overview

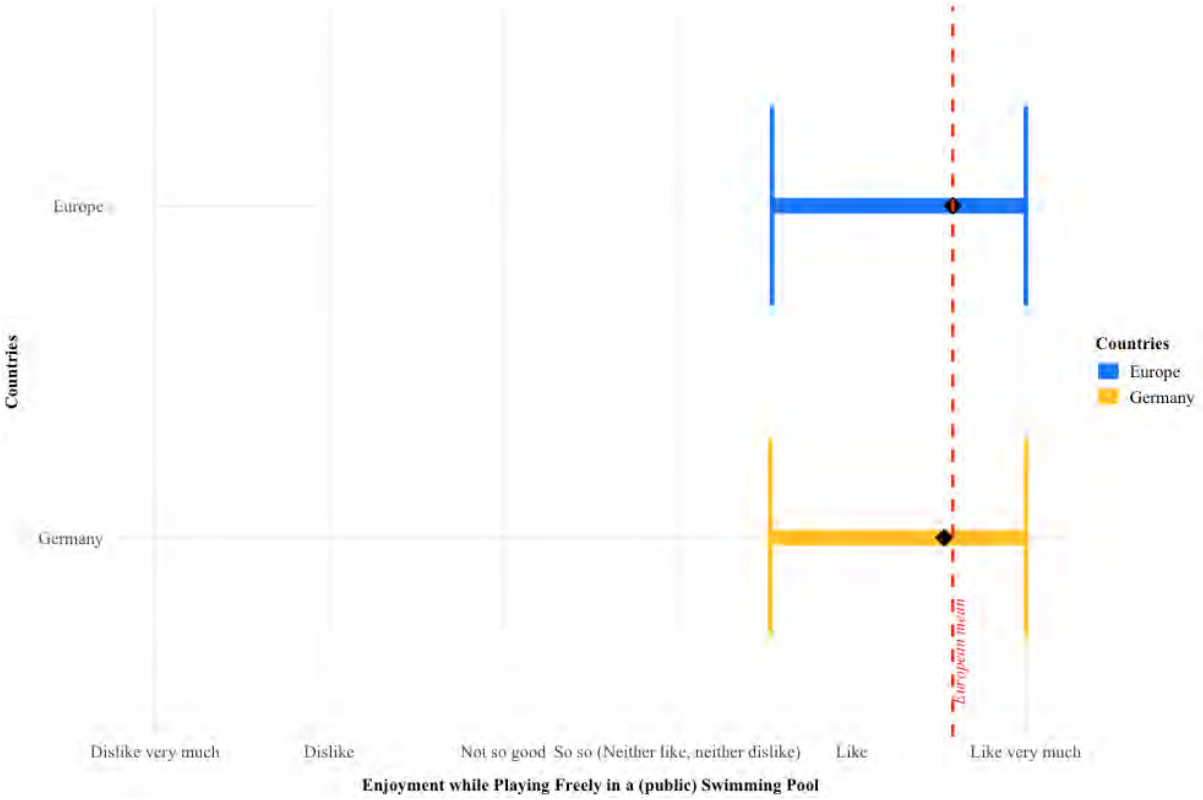


Figure 318. Distribution of the Enjoyment while Playing Freely in the Swimming Pool in Europe and in Germany (Mean±SD).

Table 547. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* **Europe**	555	2,420	0.01 **	0.07 [a]	0.29 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

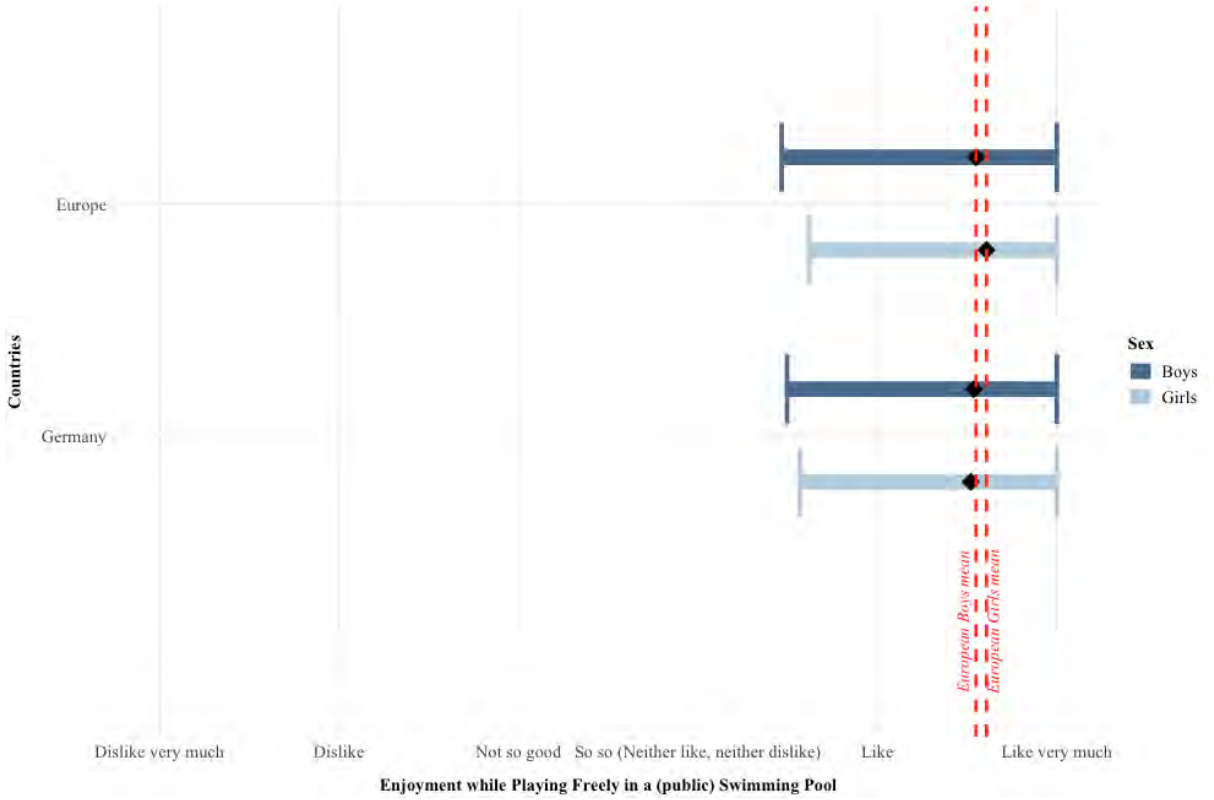


Figure 319. Distribution of the Enjoyment while Playing Freely in the Swimming Pool according to the Sex in Europe and in Germany (Mean±SD).

Table 548. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	286	1,210	0.51	0.01 [a]	0.07 [1]
	Girls	269	1,210	0.004 **	0.05 [a]	0.37 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 549. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	286	269	0.21	0.04 [a]	0.16 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

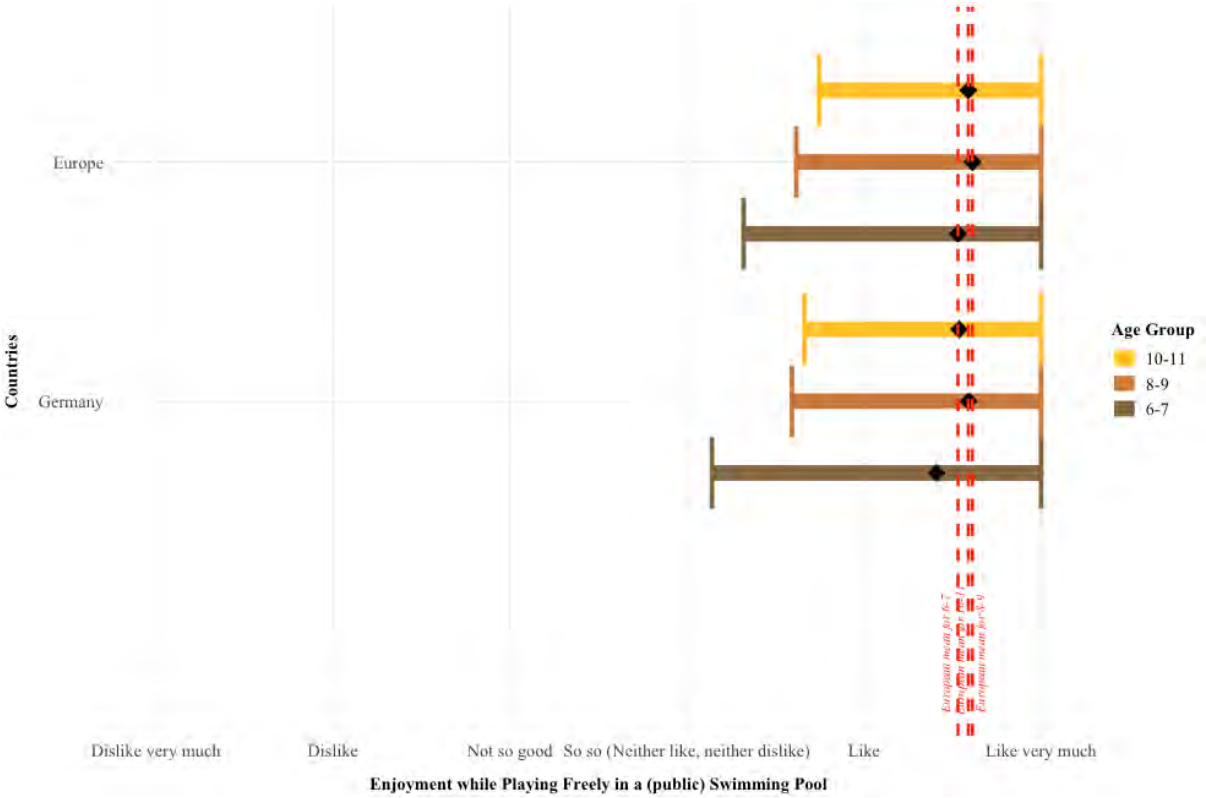


Figure 320. Distribution of the Enjoyment while Playing Freely in the Swimming Pool according to the Age Group in Europe and in Germany (Mean±SD).

Table 550. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	105	790	0.41	0.02 [a]	0.06 [1]
	8-9 yo	176	1,015	0.83	0.004 [a]	0.05 [1]
	10-11 yo	274	615	0.14	0.04 [a]	0.19 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 551. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	105	176		0.58	0.02 [a]	0.07 [1]
	8-9 yo *vs* 10-11 yo		176	274	0.02 *	0.08 [a]	0.41 [1]
	6-7 yo *vs* 10-11 yo	105		274	0.23	0.05 [a]	0.14 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

6. Playing in the swimming pool with friends

Overview

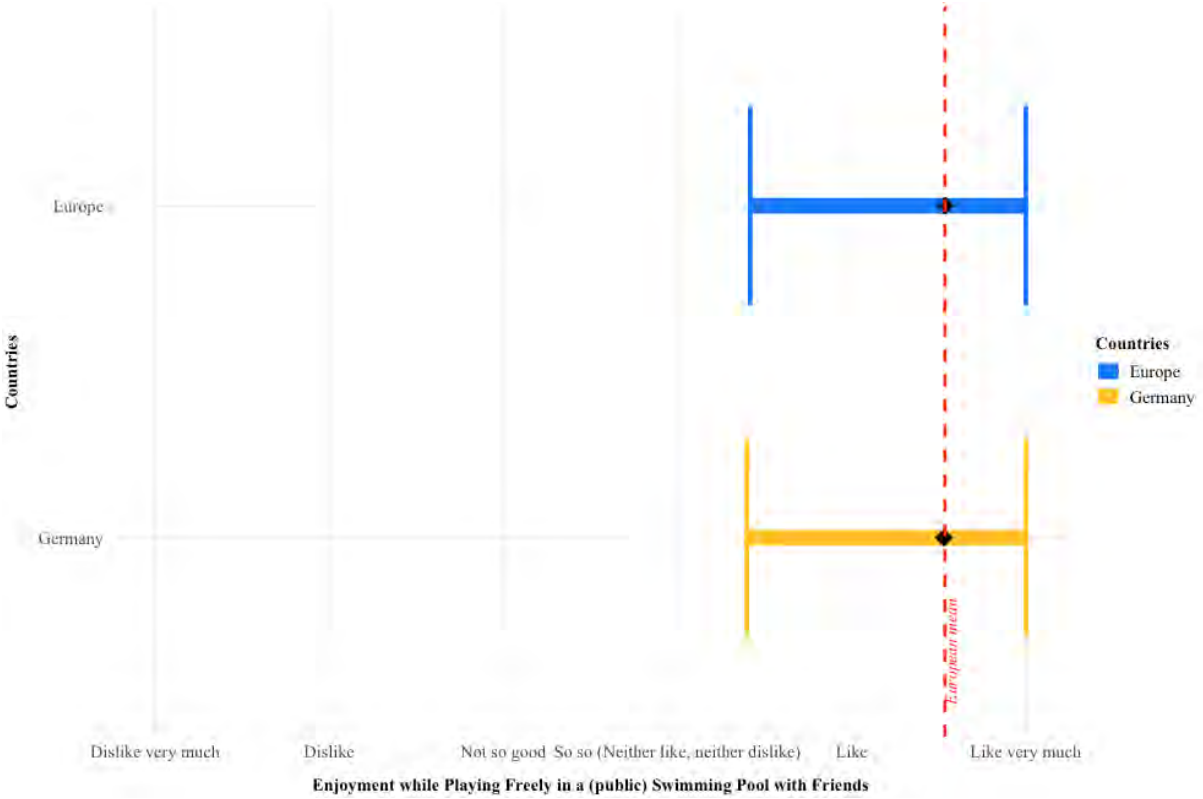


Figure 321. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Europe and in Germany (Mean±SD).

Table 552. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* **Europe**	558	2,411	0.87	0.004 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

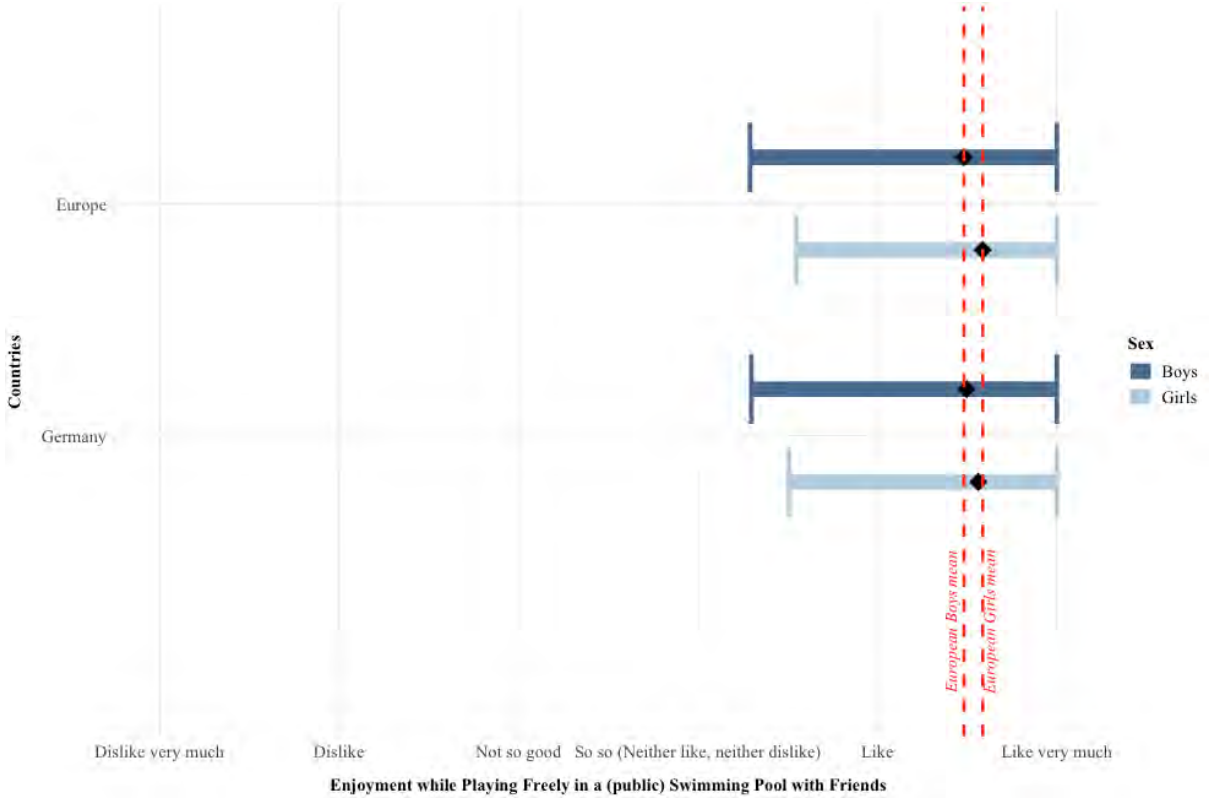


Figure 322. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Friends according to the Sex in Europe and in Germany (Mean±SD).

Table 553. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	286	1,201	0.54	0.01 [a]	0.06 [1]
	Girls	272	1,210	0.69	0.007 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 554. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	286	272	0.87	0.005 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

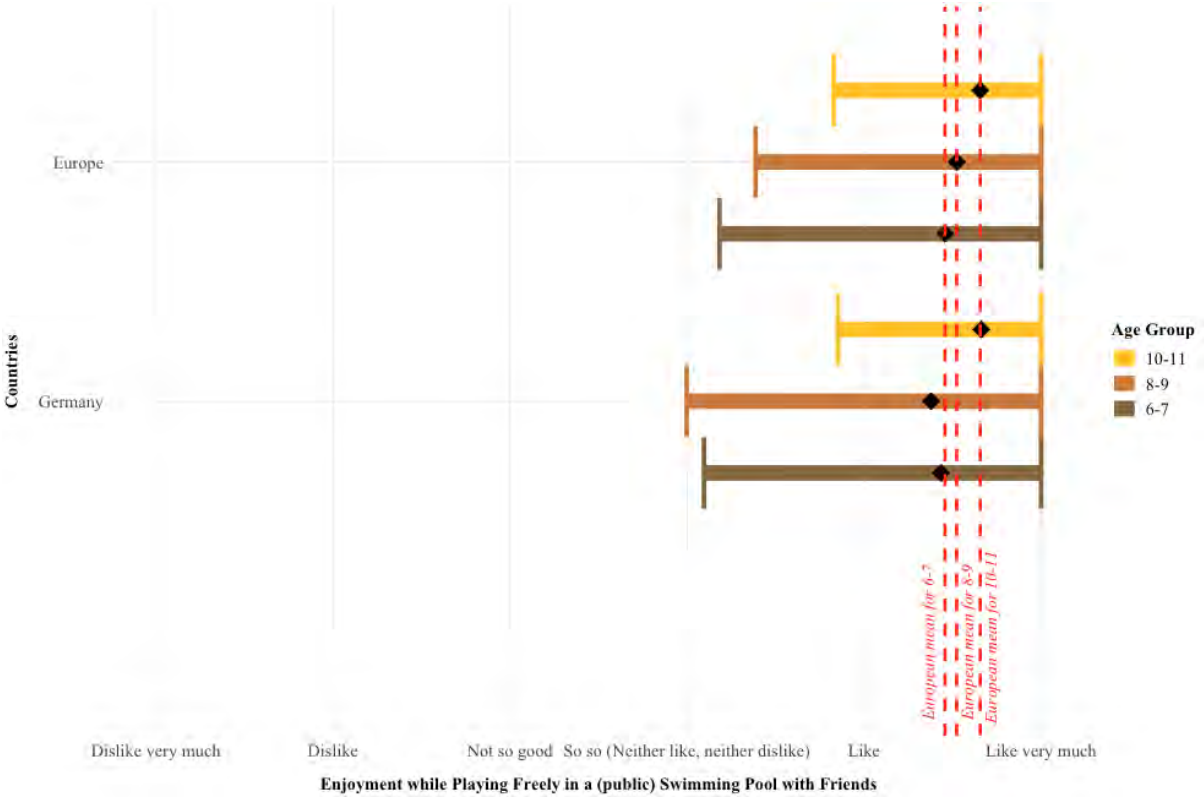


Figure 323. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Friends according to the Age Group in Europe and in Germany (Mean±SD).

Table 555. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	106	790	0.63	0.01 [a]	0.06 [1]
	8-9 yo	177	1,008	0.57	0.01 [a]	0.06 [1]
	10-11 yo	275	613	0.88	0.003 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 556. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	106	177		0.46	0.03 [a]	0.08 [1]
	8-9 yo *vs* 10-11 yo		177	275	0.36	0.03 [a]	0.1 [1]
	6-7 yo *vs* 10-11 yo	106		275	0.96	0.002 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

7. Playing in the swimming pool with family

Overview

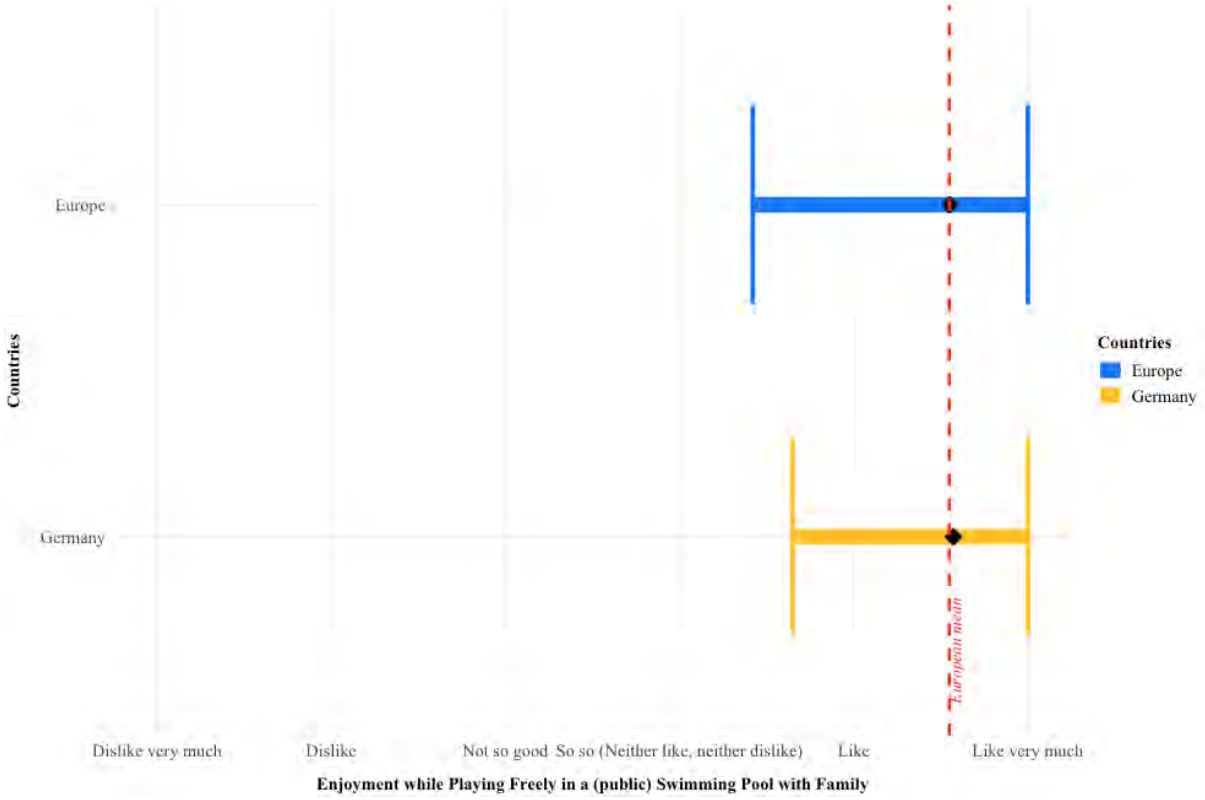


Figure 324. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Family in Europe and in Germany (Mean±SD).

Table 557. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	558	2,401	0.06	0.05 [a]	0.19 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

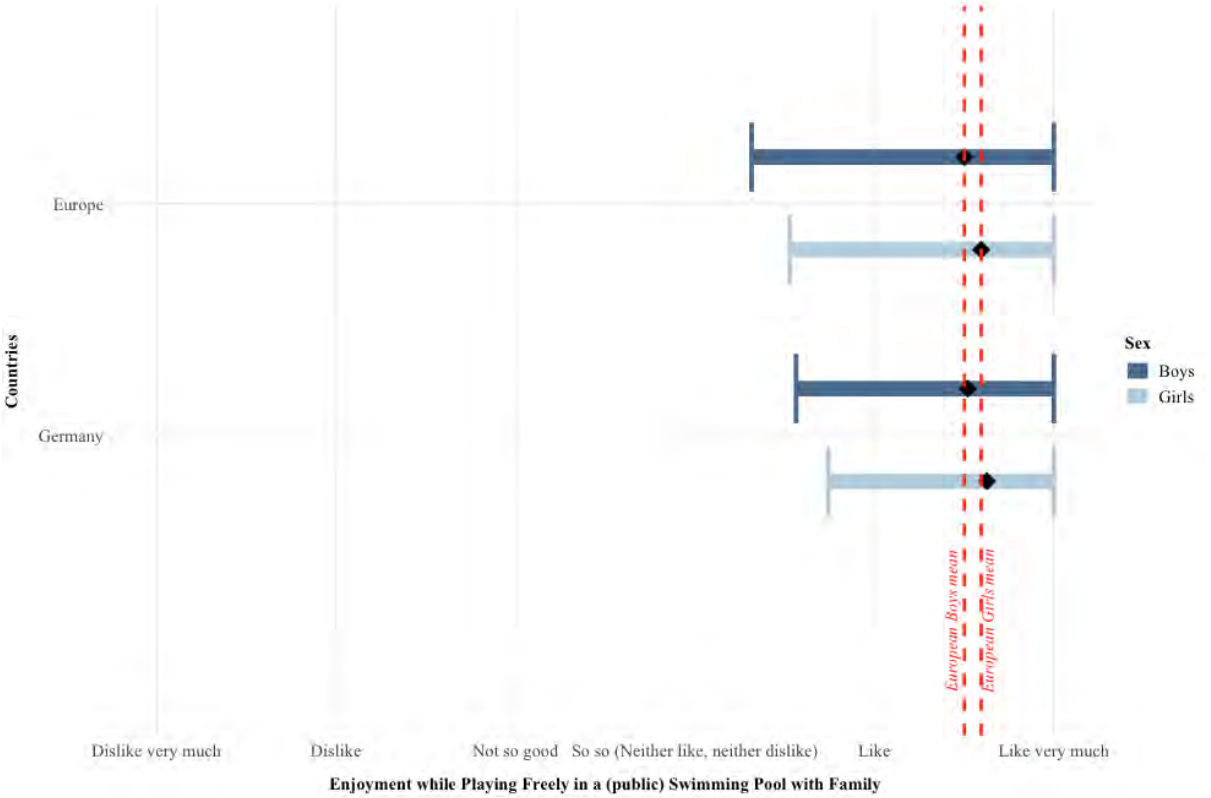


Figure 325. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Family according to the Sex in Europe and in Germany (Mean±SD).

Table 558. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	290	1,200	0.09	0.03 [a]	0.17 [1]
	Girls	268	1,201	0.39	0.02 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 559. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	290	268	0.11	0.05 [a]	0.23 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: p-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

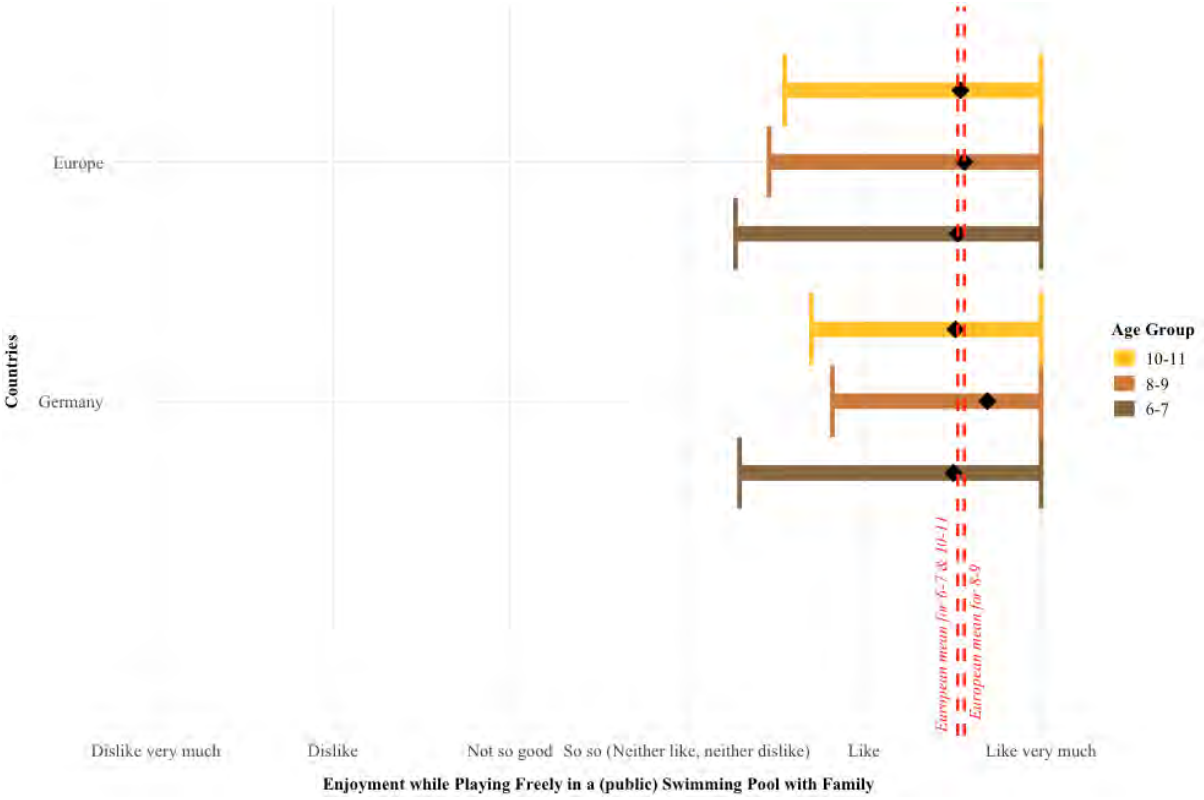


Figure 326. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Family according to the Age Group in Europe and in Germany (Mean±SD).

Table 560. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	107	786	0.83	0.005 [a]	0.05 [1]
	8-9 yo	178	1,003	0.13	0.03 [a]	0.12 [1]
	10-11 yo	273	612	0.04 *	0.06 [a]	0.34 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: p-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 561. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	107	178		0.42	0.03 [a]	0.08 [1]
	8-9 yo *vs* 10-11 yo		178	273	3.11^{e-04} ***	0.15 [a]	0.89 [3]
	6-7 yo *vs* 10-11 yo	107		273	0.01 *	0.1 [a]	0.44 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

f. Opportunities

1. Swimming races

Overview

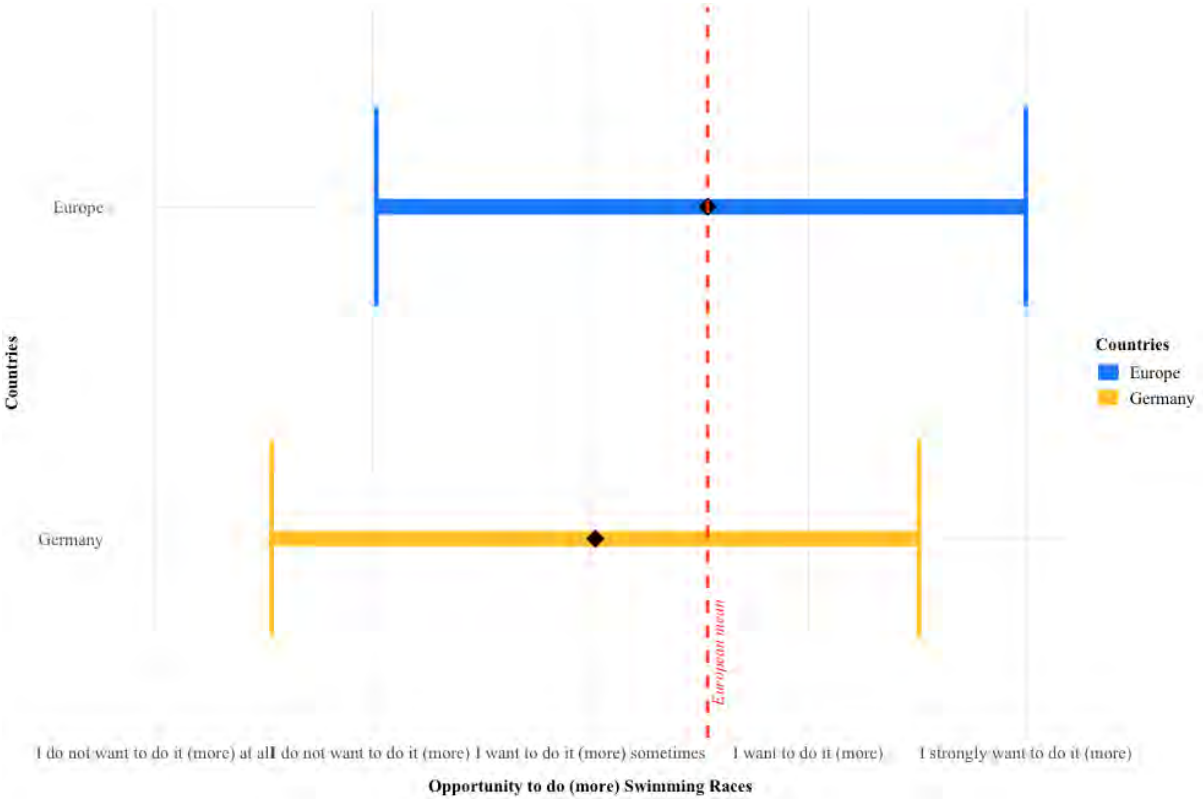


Figure 327. Distribution of the Opportunity to do (more) Swimming Races in Europe and in Germany (Mean±SD).

Table 562. Comparative Analysis of the Opportunity to do (more) Swimming Races in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	547	2,406	5.74^{e-14} ***	0.27 [b]	1 [4]

0.08Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

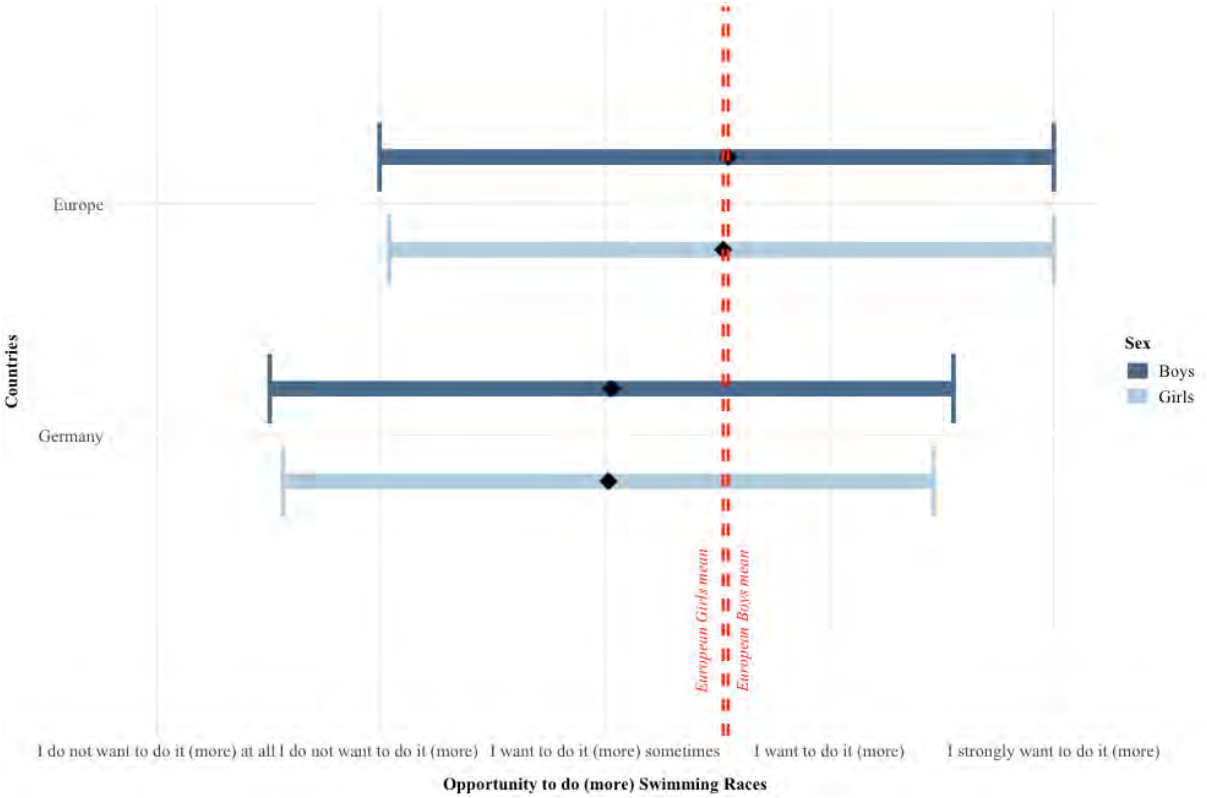


Figure 328. Distribution of the Opportunity to do (more) Swimming Races according to the Sex in Europe and in Germany (Mean±SD).

Table 563. Comparative Analysis of the Opportunity to do (more) Swimming Races in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	279	1,196	1.3^{e-07} ***	0.13 [a]	0.98 [4]
	Girls	268	1,210	8.65^{e-08} ***	0.13 [a]	0.98 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 564. Comparative Analysis of the Opportunity to do (more) Swimming Races in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	279	268	0.89	0.006 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

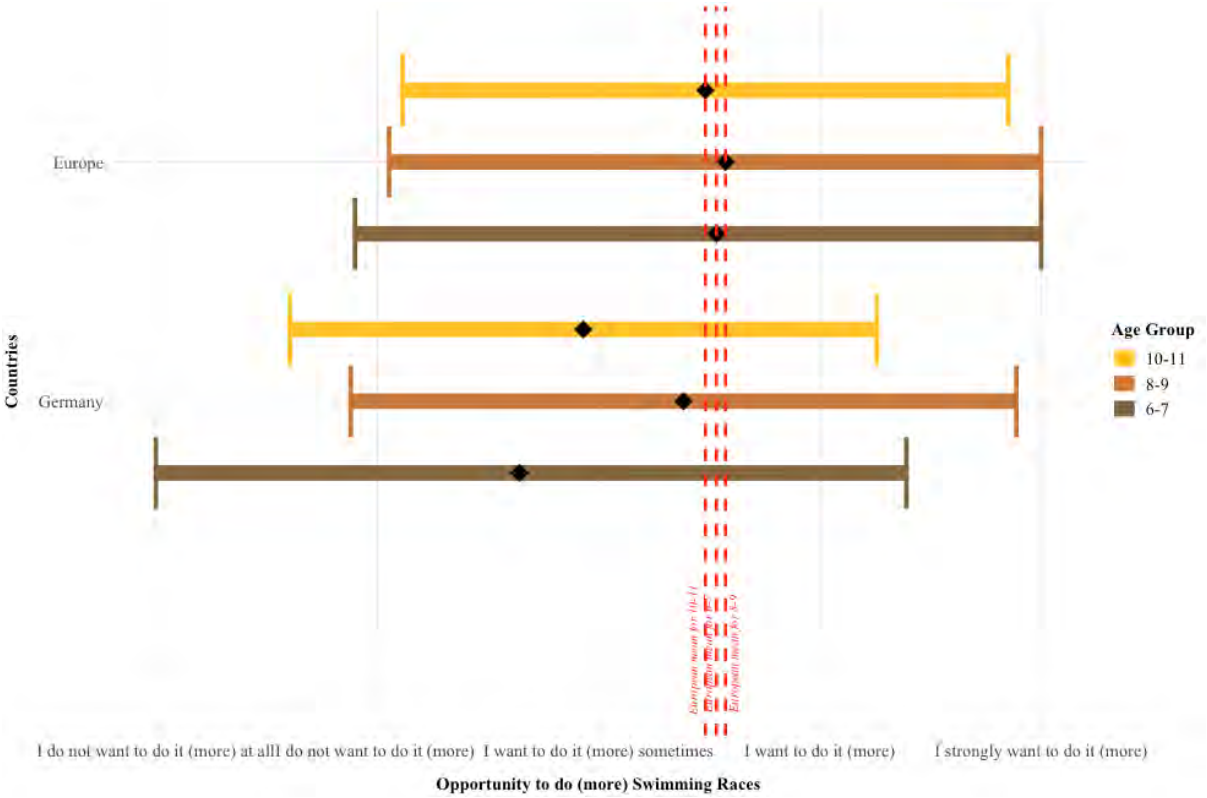


Figure 329. Distribution of the Opportunity to do (more) Swimming Races according to the Age Group in Europe and in Germany (Mean±SD).

Table 565. Comparative Analysis of the Opportunity to do (more) Swimming Races in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	98	781	4.33^{e-06} ***	0.15 [a]	0.79 [2]
	8-9 yo	172	1,010	0.08	0.04 [a]	0.22 [1]
	10-11 yo	277	615	1.15^{e-08} ***	0.19 [a]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 566. Comparative Analysis of the Opportunity to do (more) Swimming Races in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	98	172		7.62^{e-04} ***	0.2 [a]	0.89 [3]
	8-9 yo *vs* 10-11 yo		172	277	5.9^{e-04} ***	0.16 [a]	0.91 [4]
	6-7 yo *vs* 10-11 yo	98		277	0.06	0.09 [a]	0.37 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

2. Water Polo

Overview

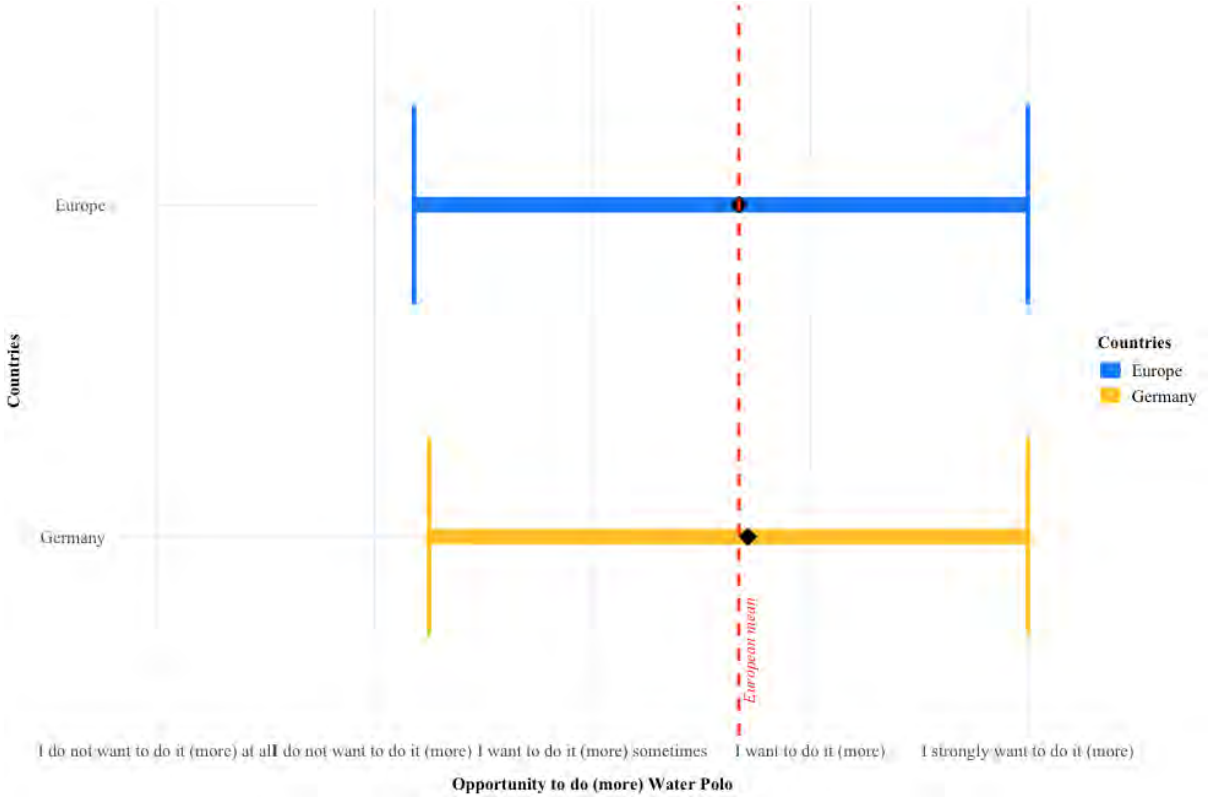


Figure 330. Distribution of the Opportunity to do (more) Water Polo in Europe and in Germany (Mean±SD).

Table 567. Comparative Analysis of the Opportunity to do (more) Water Polo in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* **Europe**	545	2,396	0.67	0.015 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

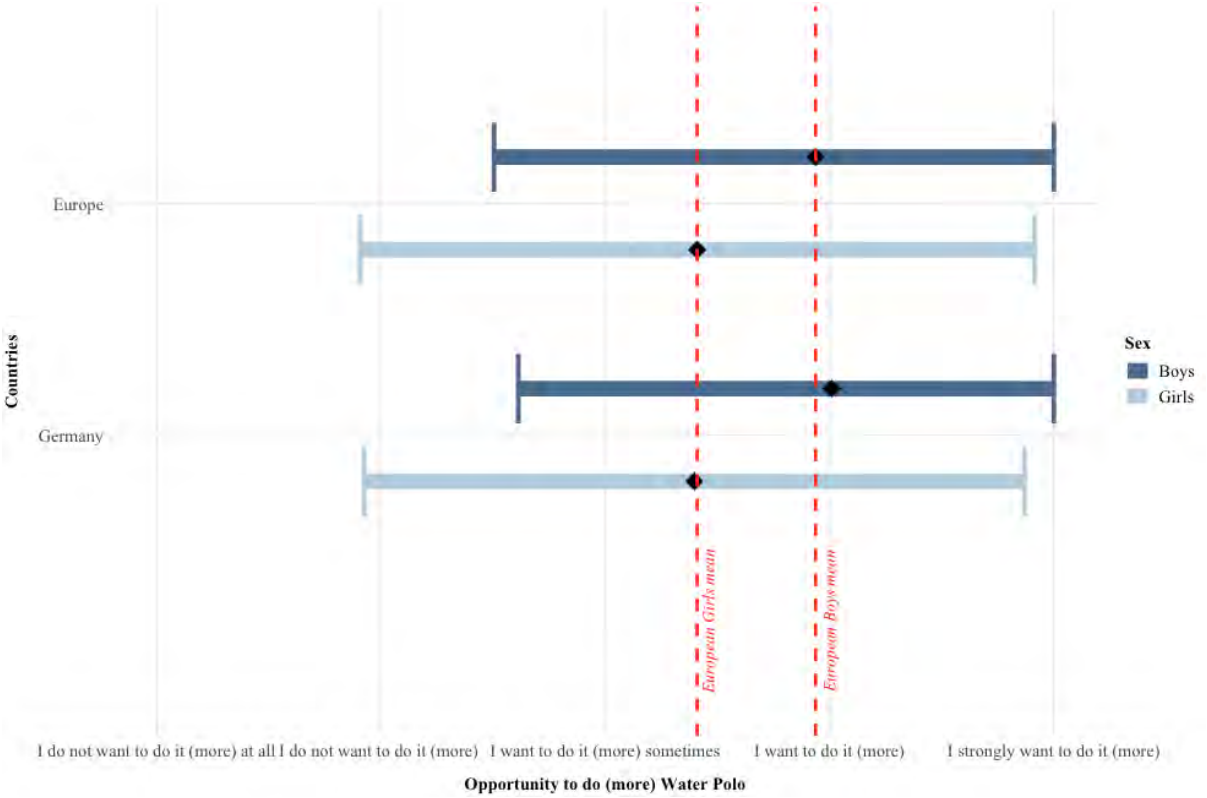


Figure 331. Distribution of the Opportunity to do (more) Water Polo according to the Sex in Europe and in Germany (Mean±SD).

Table 568. Comparative Analysis of the Opportunity to do (more) Water Polo in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	281	1,189	0.56	0.01 [a]	0.07 [1]
	Girls	264	1,207	0.81	0.006 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 569. Comparative Analysis of the Opportunity to do (more) Water Polo in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	281	264	4.61^{e-08} ***	0.22 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

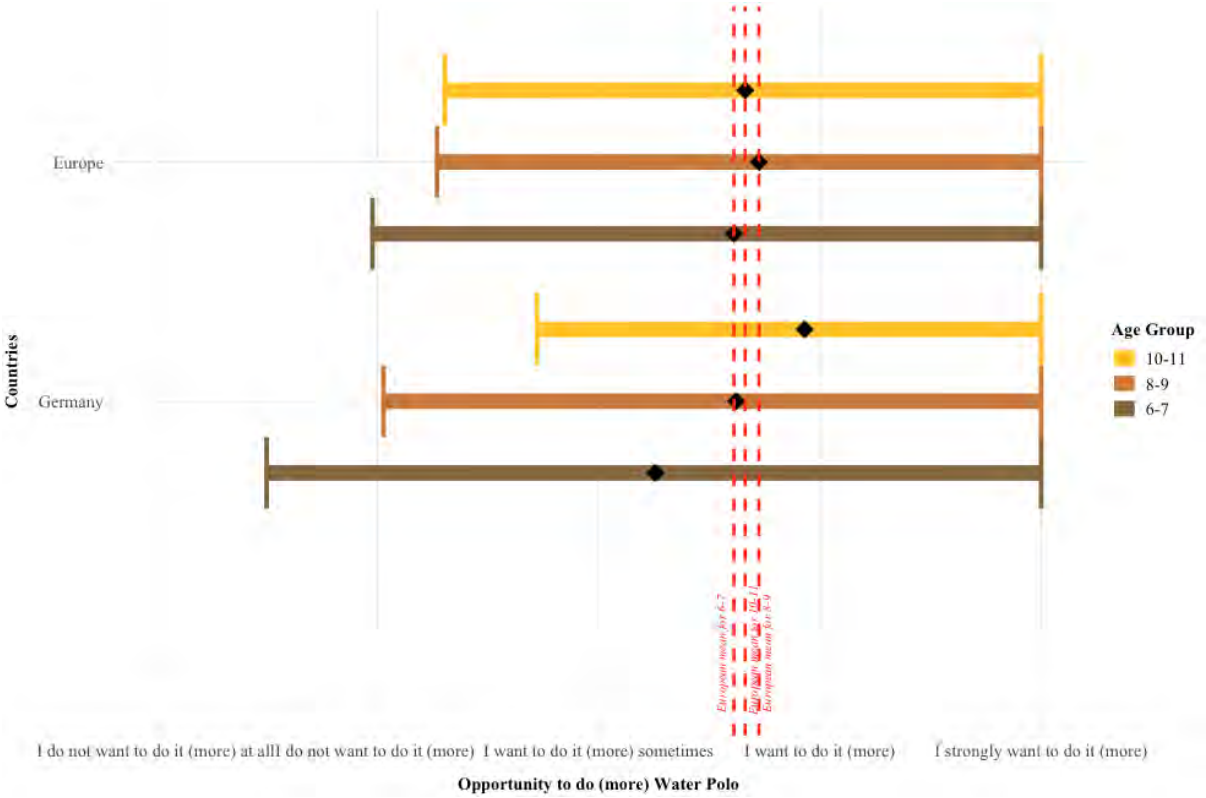


Figure 332. Distribution of the Opportunity to do (more) Water Polo according to the Age Group in Europe and in Germany (Mean±SD).

Table 570. Comparative Analysis of the Opportunity to do (more) Water Polo in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	97	783	0.08	0.05 [a]	0.17 [1]
	8-9 yo	172	999	0.75	0.009 [a]	0.05 [1]
	10-11 yo	276	614	0.01 *	0.08 [a]	0.62 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 571. Comparative Analysis of the Opportunity to do (more) Water Polo in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	97	172		0.15	0.08 [a]	0.26 [1]
	8-9 yo *vs* 10-11 yo		172	276	0.31	0.04 [a]	0.15 [1]
	6-7 yo *vs* 10-11 yo	97		276	0.01 **	0.13 [a]	0.58 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

3. Artistic Swimming

Overview

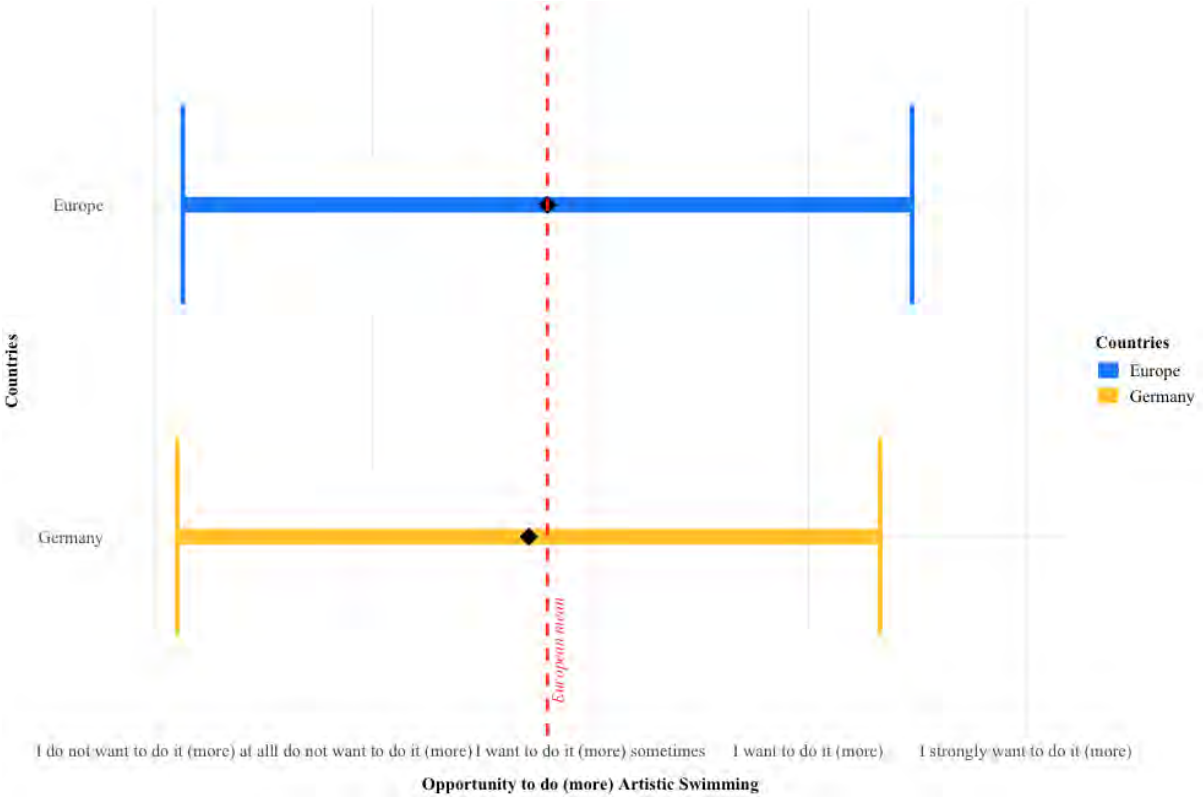


Figure 333. Distribution of the Opportunity to do (more) Artistic Swimming in Europe and in Germany (Mean±SD).

Table 572. Comparative Analysis of the Opportunity to do (more) Artistic Swimming at School in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	543	2,380	0.27	0.04 [a]	0.13 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

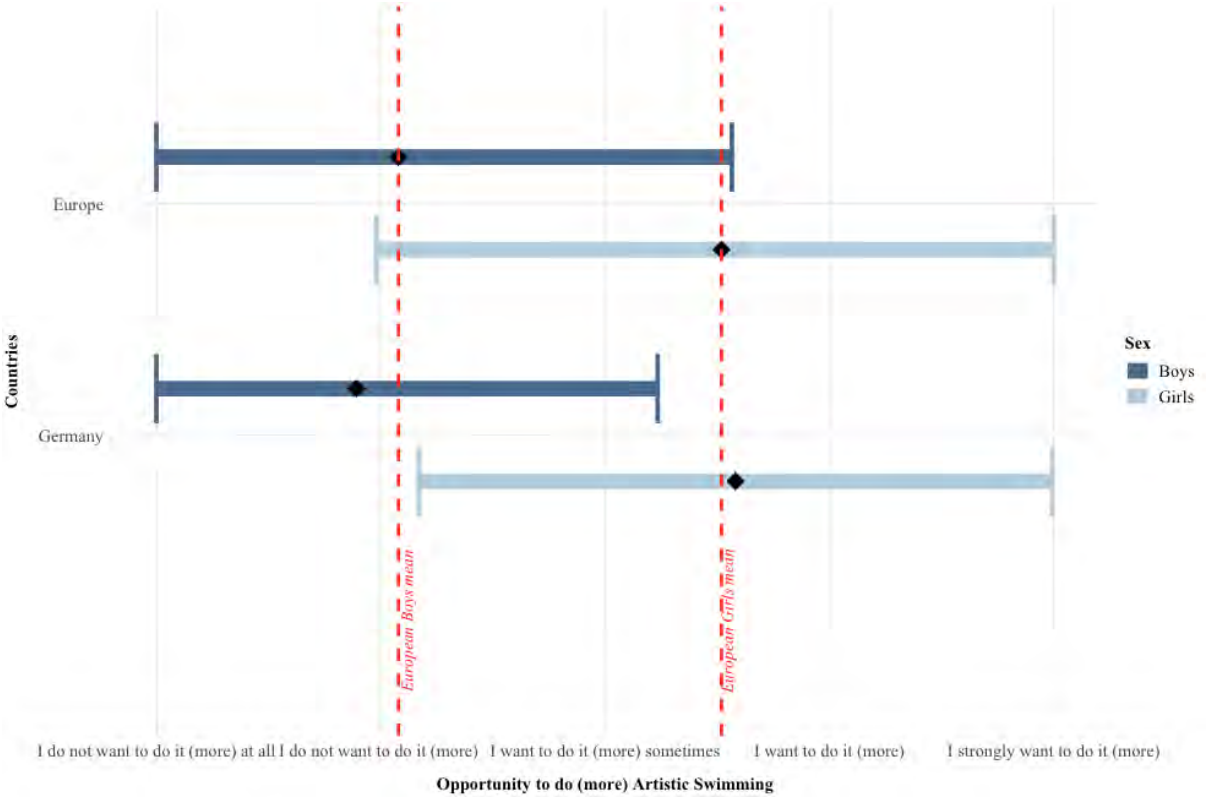


Figure 334. Distribution of the Opportunity to do (more) Artistic Swimming according to the Sex in Europe and in Germany (Mean±SD).

Table 573. Comparative Analysis of the Opportunity to do (more) Artistic Swimming in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	278	1,184	0.13	0.03 [a]	0.18 [1]
	Girls	265	1,196	1	1^{e-04} [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 574. Comparative Analysis of the Opportunity to do (more) Artistic Swimming in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	278	265	6.43^{e-34} ***	0.5 [a]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

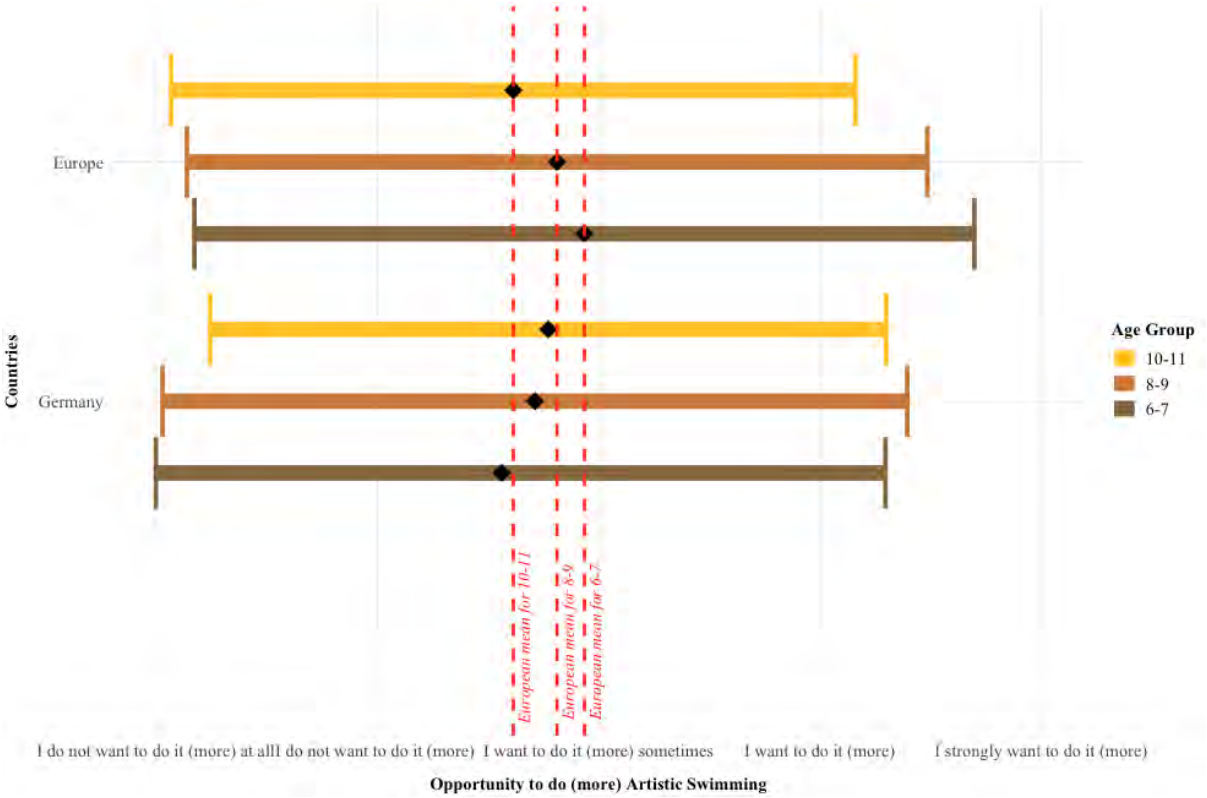


Figure 335. Distribution of the Opportunity to do (more) Artistic Swimming according to the Age Group in Europe and in Germany (Mean±SD).

Table 575. Comparative Analysis of the Opportunity to do (more) Artistic Swimming in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	96	768	0.06	0.06 [a]	0.2 [1]
	8-9 yo	174	1,004	0.47	0.02 [a]	0.08 [1]
	10-11 yo	273	608	0.17	0.04 [a]	0.23 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 576. Comparative Analysis of the Opportunity to do (more) Artistic Swimming in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	96	174		0.51	0.04 [a]	0.09 [1]
	8-9 yo *vs* 10-11 yo		174	273	0.64	0.02 [a]	0.07 [1]
	6-7 yo *vs* 10-11 yo	96		273	0.24	0.06 [a]	0.17 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

4. Diving

Overview

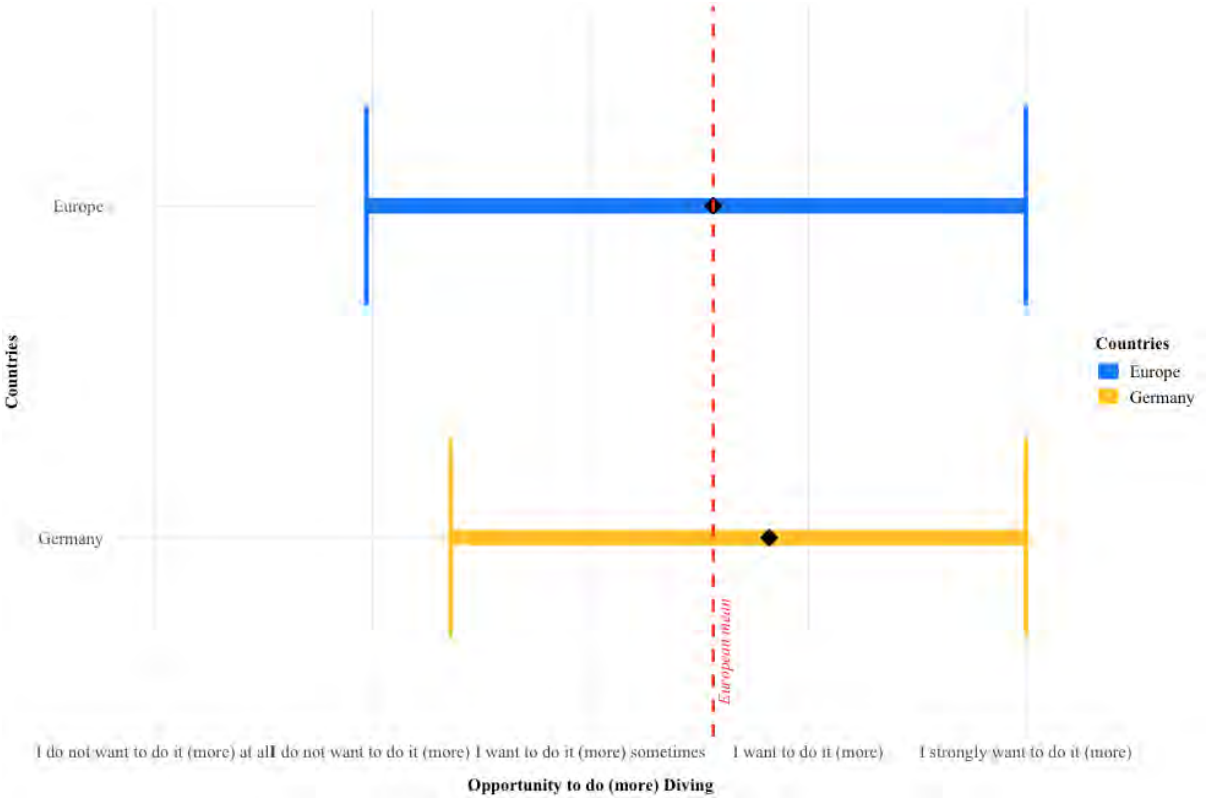


Figure 336. Distribution of the Opportunity to do (more) Diving in Europe and in Germany (Mean±SD).

Table 577. Comparative Analysis of the Opportunity to do (more) Diving at School in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	547	2,373	0.001 ***	0.11 [a]	0.66 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

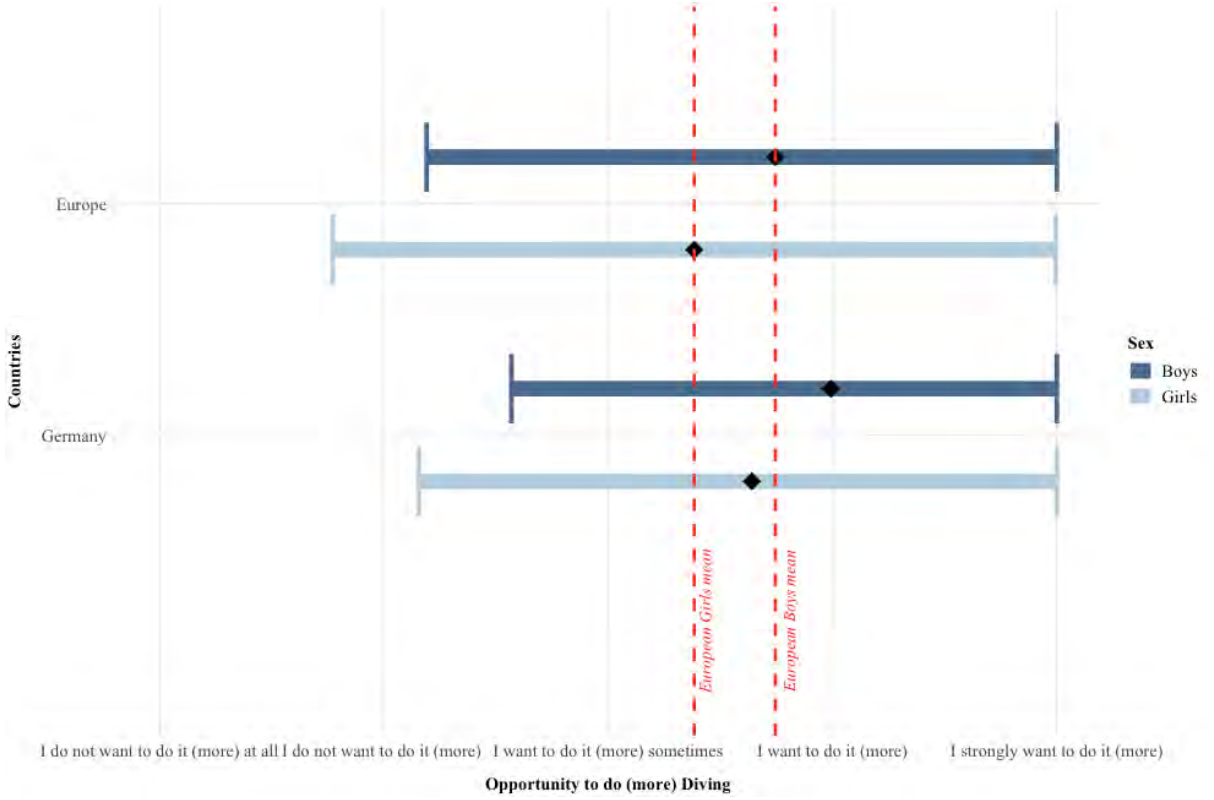


Figure 337. Distribution of the Opportunity to do (more) Diving according to the Sex in Europe and in Germany (Mean±SD).

Table 578. Comparative Analysis of the Opportunity to do (more) Diving in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	280	1,182	0.02 *	0.06 [a]	0.4 [1]
	Girls	267	1,191	0.03 *	0.05 [a]	0.37 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 579. Comparative Analysis of the Opportunity to do (more) Diving in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	280	267	0.001 **	0.13 [a]	0.84 [3]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

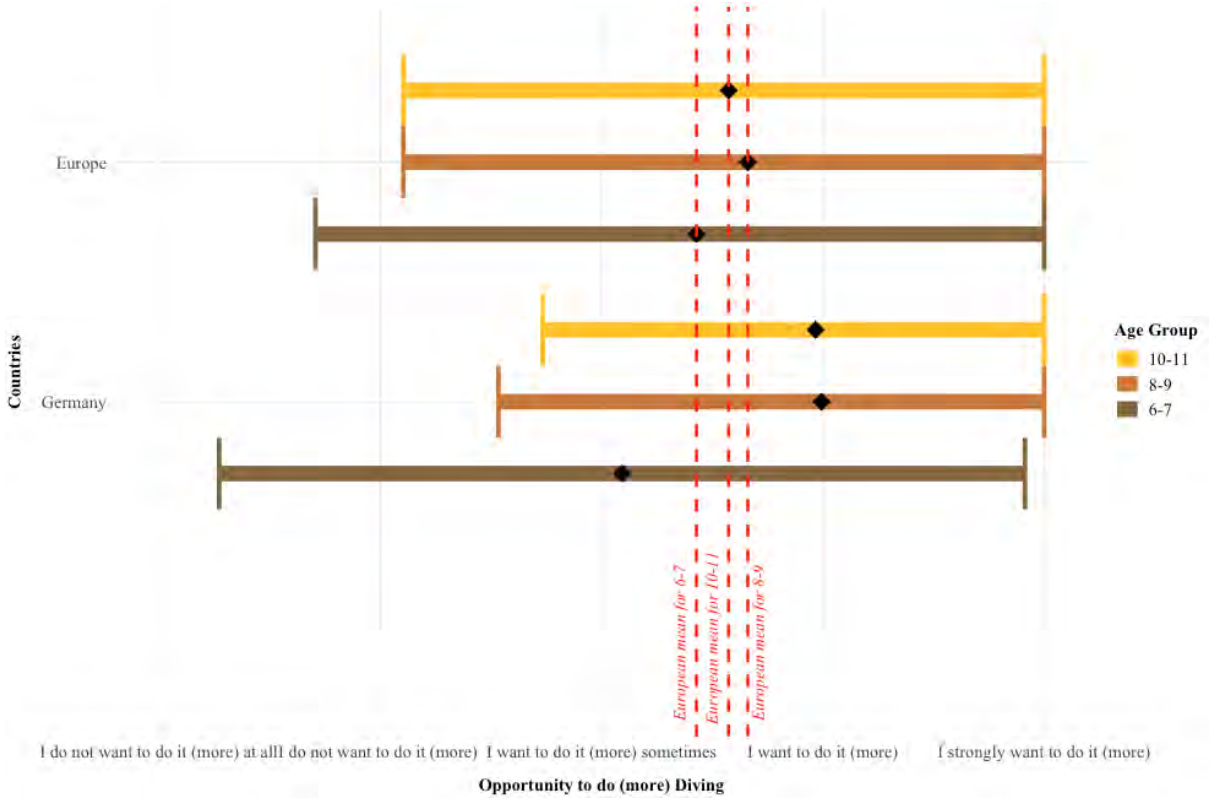


Figure 338. Distribution of the Opportunity to do (more) Diving according to the Age Group in Europe and in Germany (Mean±SD).

Table 580. Comparative Analysis of the Opportunity to do (more) Diving in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	97	769	0.11	0.058 [a]	0.15 [1]
	8-9 yo	175	1,000	0.004 **	0.08 [a]	0.49 [1]
	10-11 yo	275	604	4.4e-04 ***	0.11 [a]	0.88 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 581. Comparative Analysis of the Opportunity to do (more) Diving in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	97	175		1.1e-04 ***	0.21 [b]	0.93 [4]
	8-9 yo *vs* 10-11 yo		175	275	0.17	0.06 [a]	0.23 [1]
	6-7 yo *vs* 10-11 yo	97		275	2e-04 ***	0.18 [a]	0.88 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

5. Water sport 1

Overview

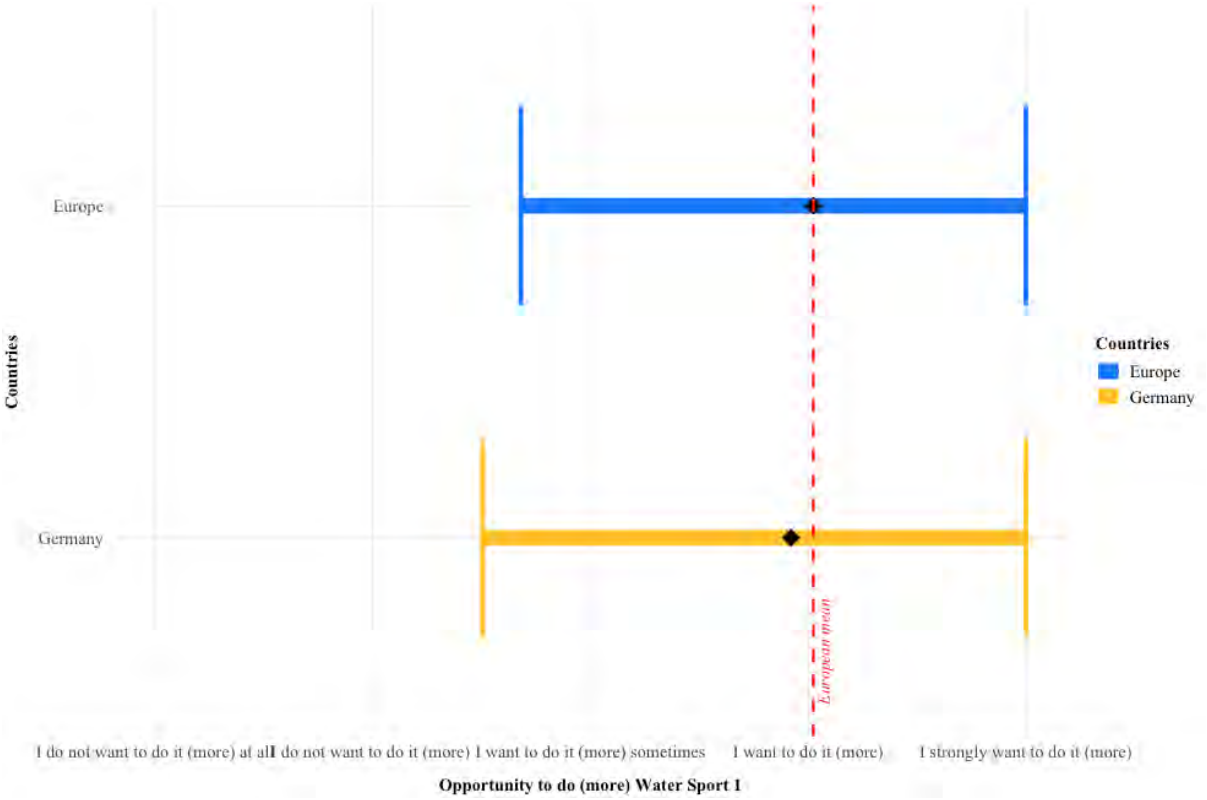


Figure 339. Distribution of the Opportunity to do (more) Water Sport 1in Europe and in Germany (Mean±SD).

Table 582. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	560	2,362	0.14	0.05 [a]	0.19 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

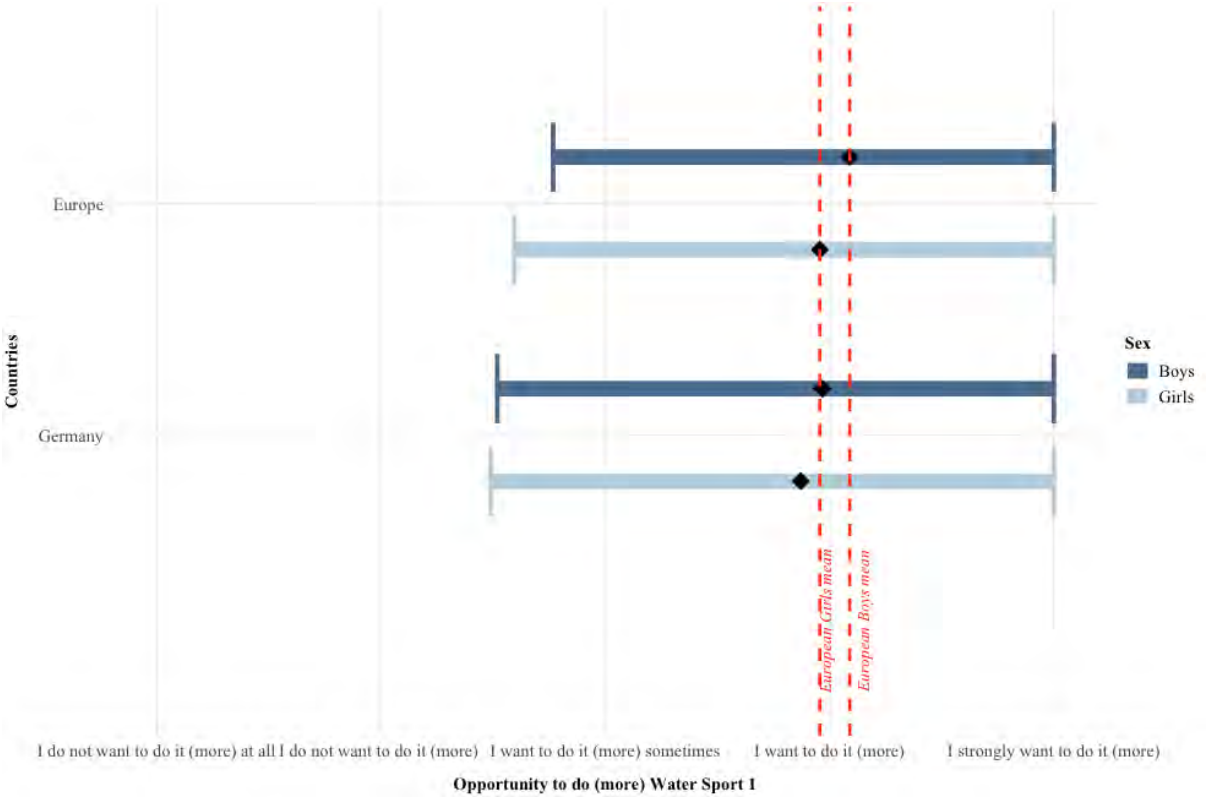


Figure 340. Distribution of the Opportunity to do (more) Water Sport 1according to the Sex in Europe and in Germany (Mean±SD).

Table 583. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	Boys	287	1,179	0.34	0.02 [a]	0.1 [1]
	Girls	273	1,183	0.25	0.03 [a]	0.13 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 584. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany	Boys *vs* Girls	287	273	0.13	0.06 [a]	0.28 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

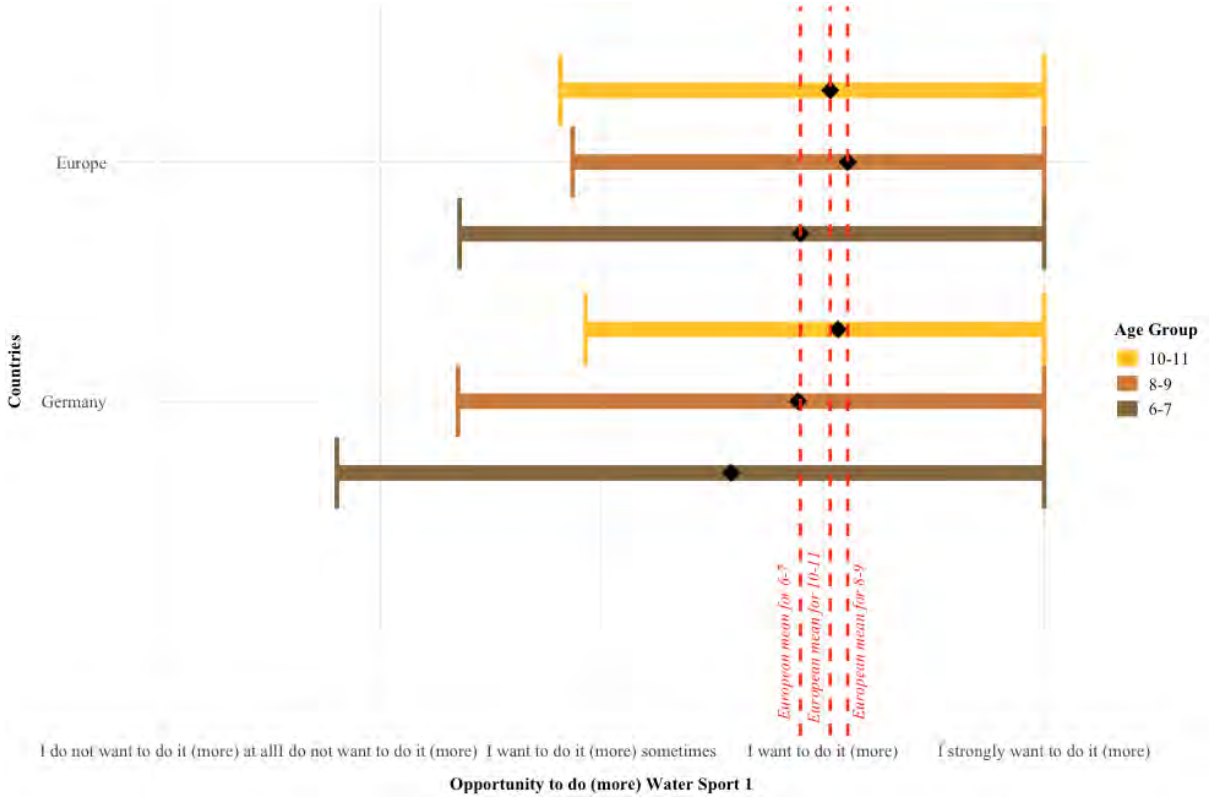


Figure 341. Distribution of the Opportunity to do (more) Water Sport 1according to the Age Group in Europe and in Germany (Mean±SD).

Table 585. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	104	762	0.25	0.03 [a]	0.1 [1]
	8-9 yo	178	998	0.42	0.02 [a]	0.08 [1]
	10-11 yo	278	602	0.9	0.004 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 586. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	104	178		0.36	0.05 [a]	0.12 [1]
	8-9 yo *vs* 10-11 yo		178	278	0.66	0.02 [a]	0.07 [1]
	6-7 yo *vs* 10-11 yo	104		278	0.47	0.03 [a]	0.09 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

6. Water sport 2

Overview

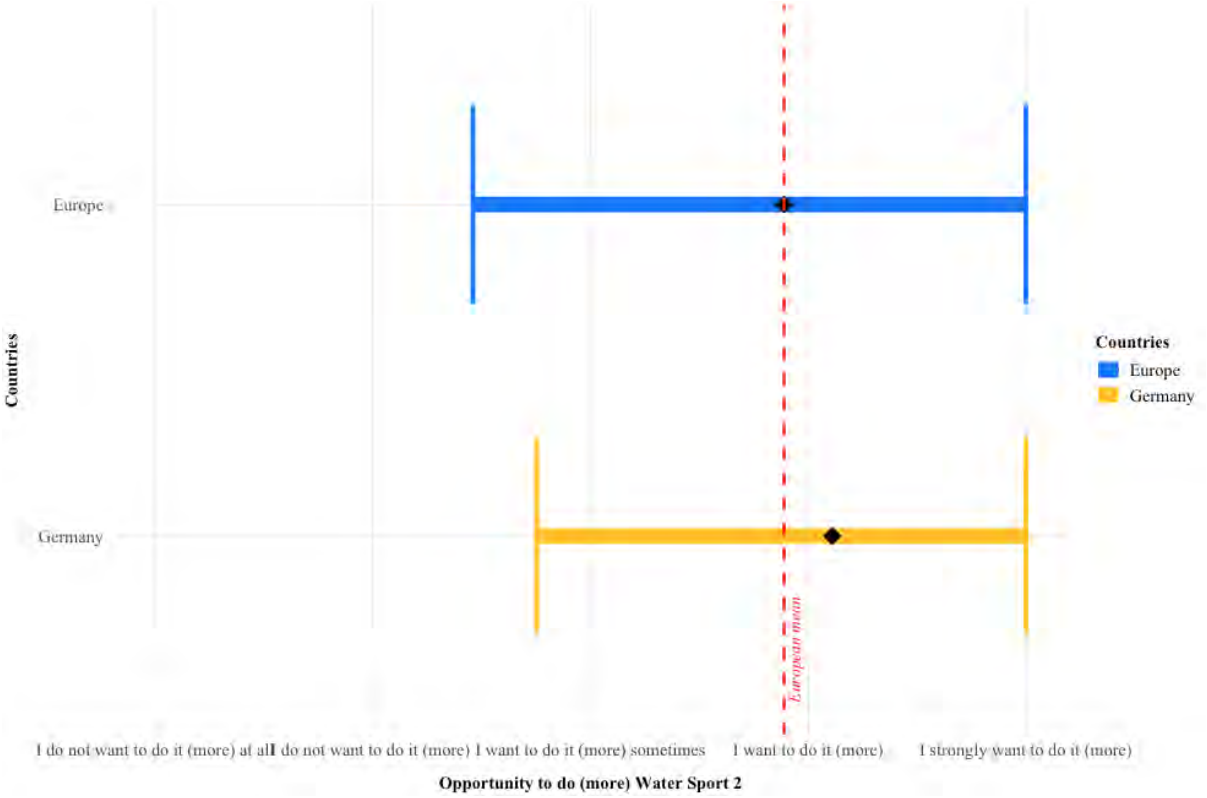


Figure 342. Distribution of the Opportunity to do (more) Water Sport 2 in Europe and in Germany (Mean±SD).

Table 587. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	554	2,366	1.8^{e-04} ***	0.13 [a]	0.77 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

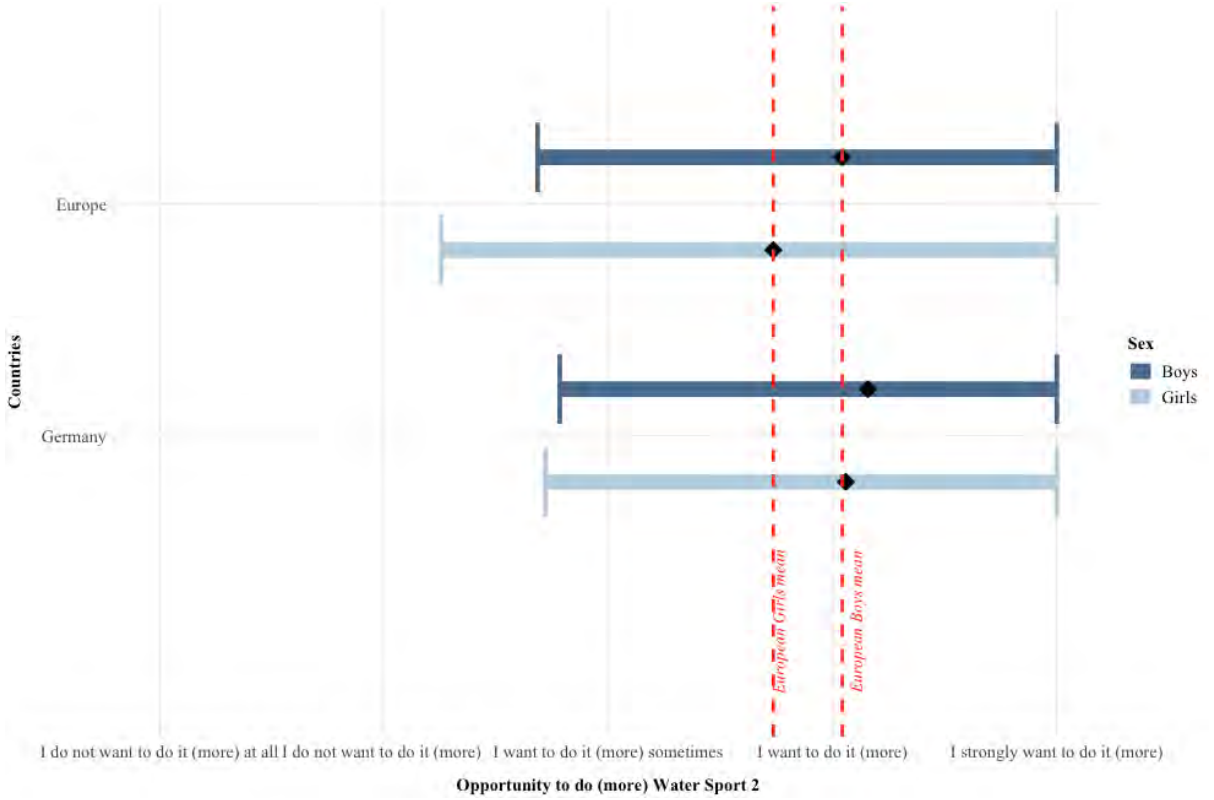


Figure 343. Distribution of the Opportunity to do (more) Water Sport 2 according to the Sex in Europe and in Germany (Mean±SD).

Table 588. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	285	1,176	0.05	0.04 [a]	0.28 [1]
	Girls	269	1,190	8.3^{e-04} ***	0.08 [a]	0.68 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 589. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	285	269	0.11	0.06 [a]	0.29 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

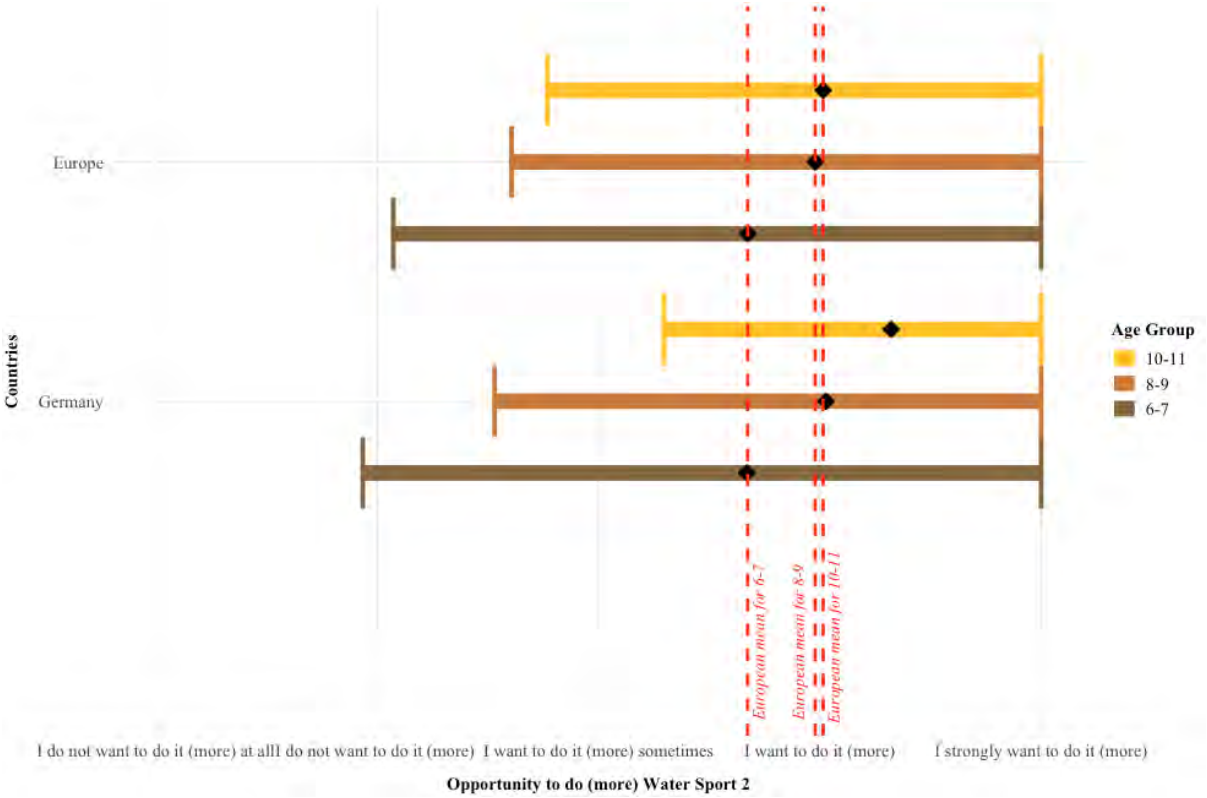


Figure 344. Distribution of the Opportunity to do (more) Water Sport 2 according to the Age Group in Europe and in Germany (Mean±SD).

Table 590. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	100	771	0.66	0.01 [a]	0.06 [1]
	8-9 yo	178	996	0.14	0.04 [a]	0.16 [1]
	10-11 yo	276	599	6.1^{e-04} ***	0.11 [a]	0.83 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 591. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	100	178		0.15	0.07 [a]	0.22 [1]
	8-9 yo *vs* 10-11 yo		178	276	0.6	0.02 [a]	0.07 [1]
	6-7 yo *vs* 10-11 yo	100		276	0.03 *	0.1 [a]	0.38 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

7. Water sport 3

Overview

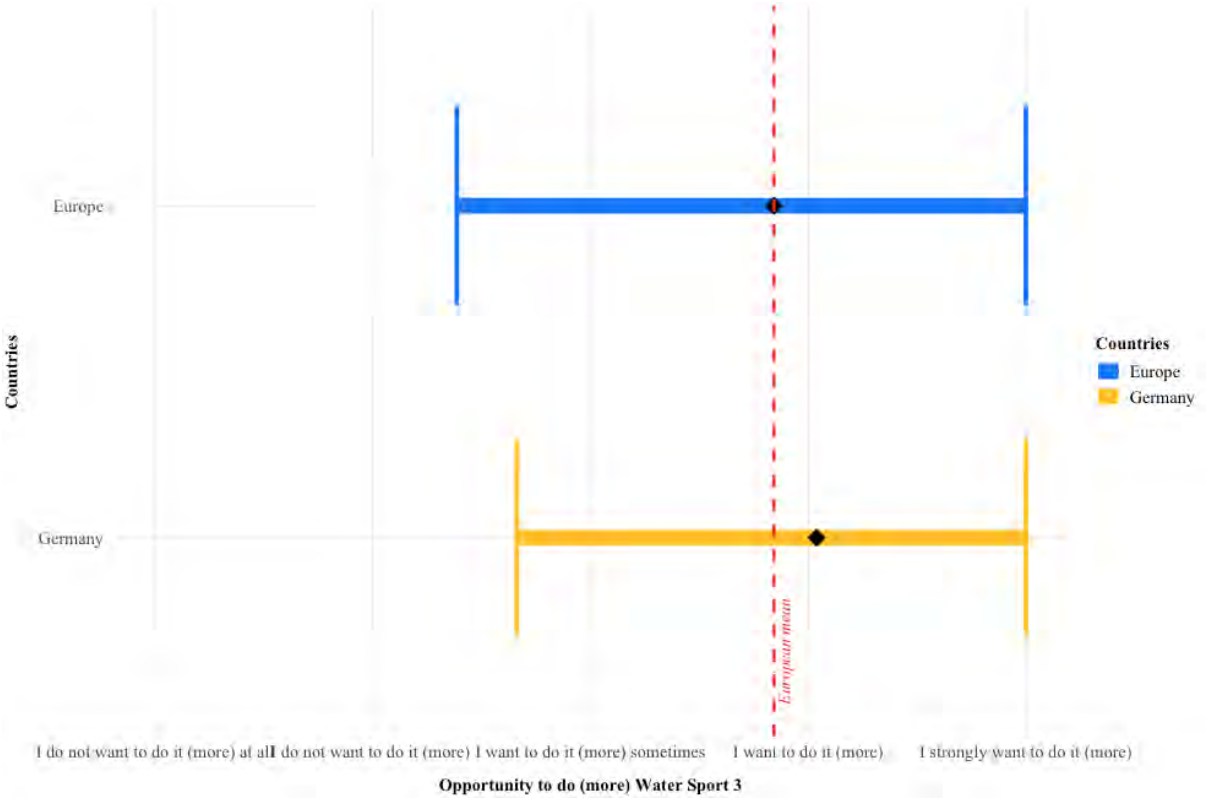


Figure 345. Distribution of the Opportunity to do (more) Water Sport 3 in Europe and in Germany (Mean±SD).

Table 592. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	547	2,369	0.002 **	0.1 [a]	0.58 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

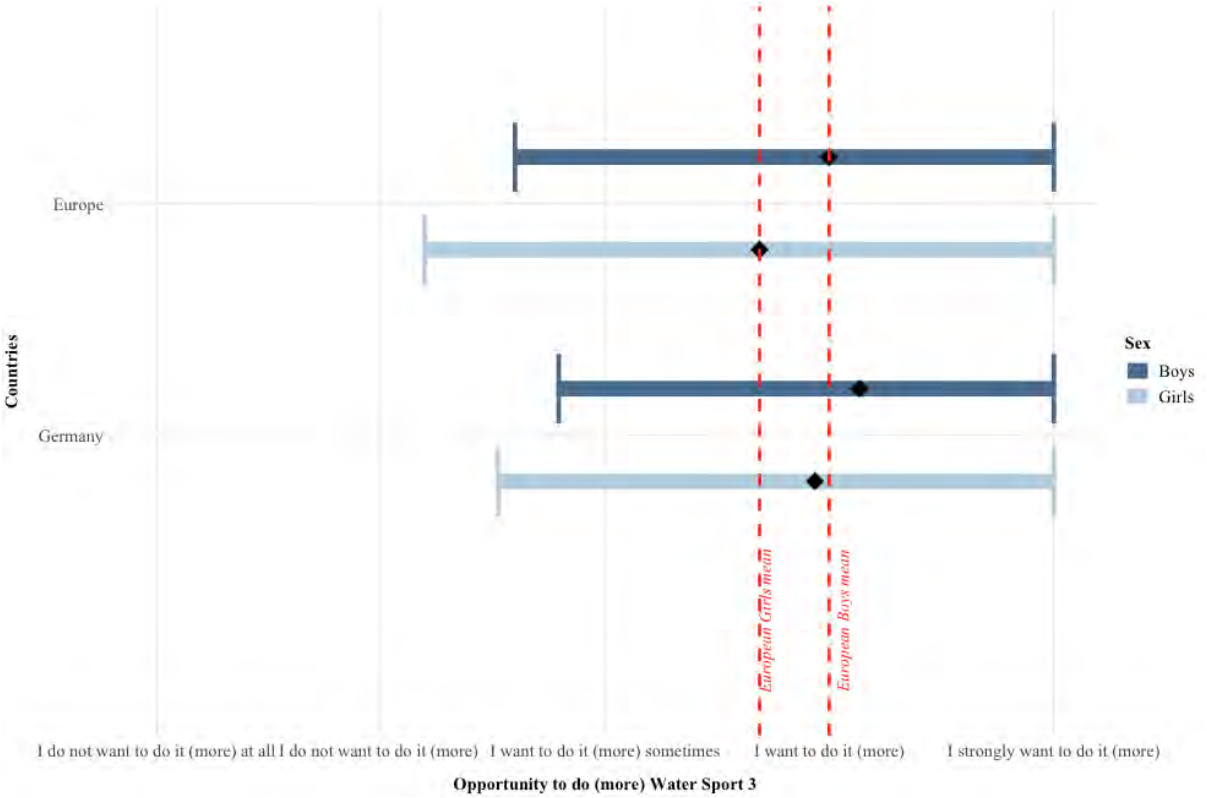


Figure 346. Distribution of the Opportunity to do (more) Water Sport 3 according to the Sex in Europe and in Germany (Mean±SD).

Table 593. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	284	1,172	0.11	0.04 [a]	0.2 [1]
	Girls	263	1,197	0.01 *	0.06 [a]	0.44 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 594. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	284	263	0.06	0.07 [a]	0.4 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

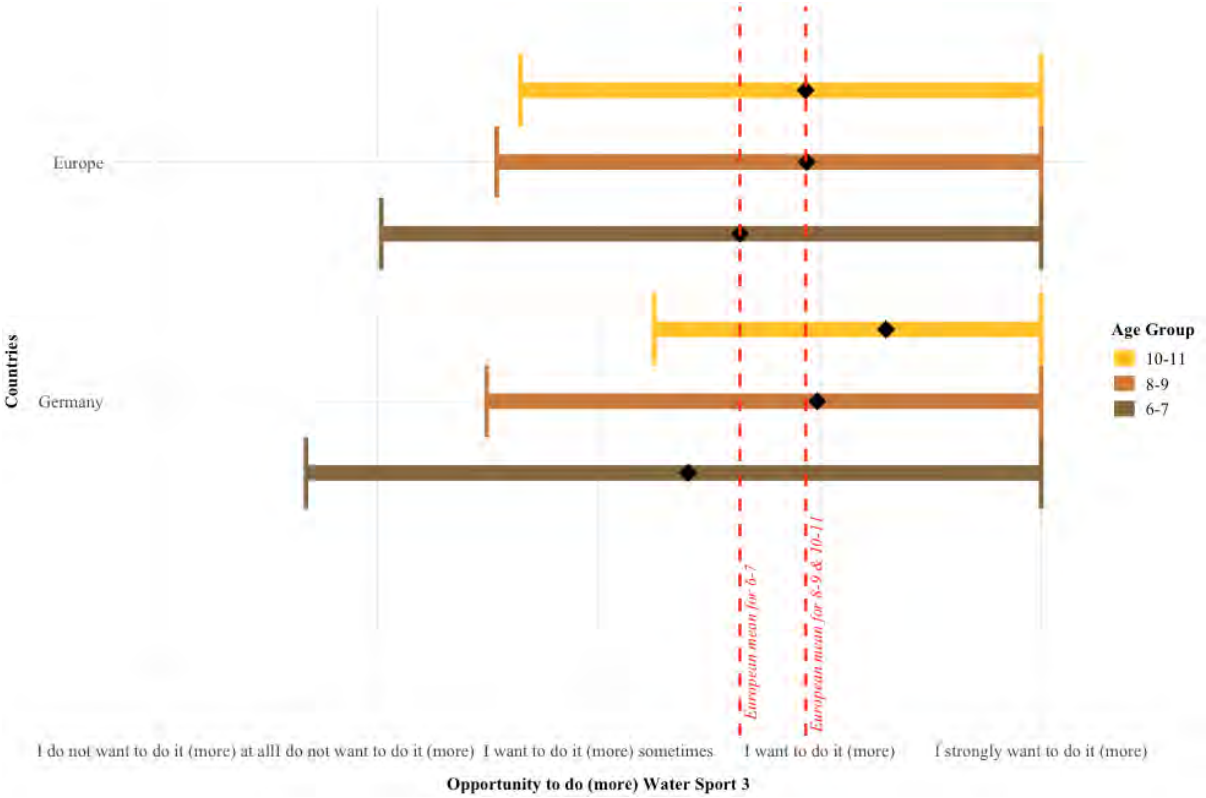


Figure 347. Distribution of the Opportunity to do (more) Water Sport 3 according to the Age Group in Europe and in Germany (Mean±SD).

Table 595. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	99	770	0.26	0.03 [a]	0.1 [1]
	8-9 yo	174	992	0.3	0.03 [a]	0.1 [1]
	10-11 yo	274	607	8.71^{e-05} ***	0.12 [a]	0.92 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 596. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	99	174		0.007 **	0.15 [a]	0.65 [2]
	8-9 yo *vs* 10-11 yo		174	274	0.32	0.04 [a]	0.14 [1]
	6-7 yo *vs* 10-11 yo	99		274	4.1^{e-05} ***	0.19 [a]	0.91 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

8. Water sport 4

Overview

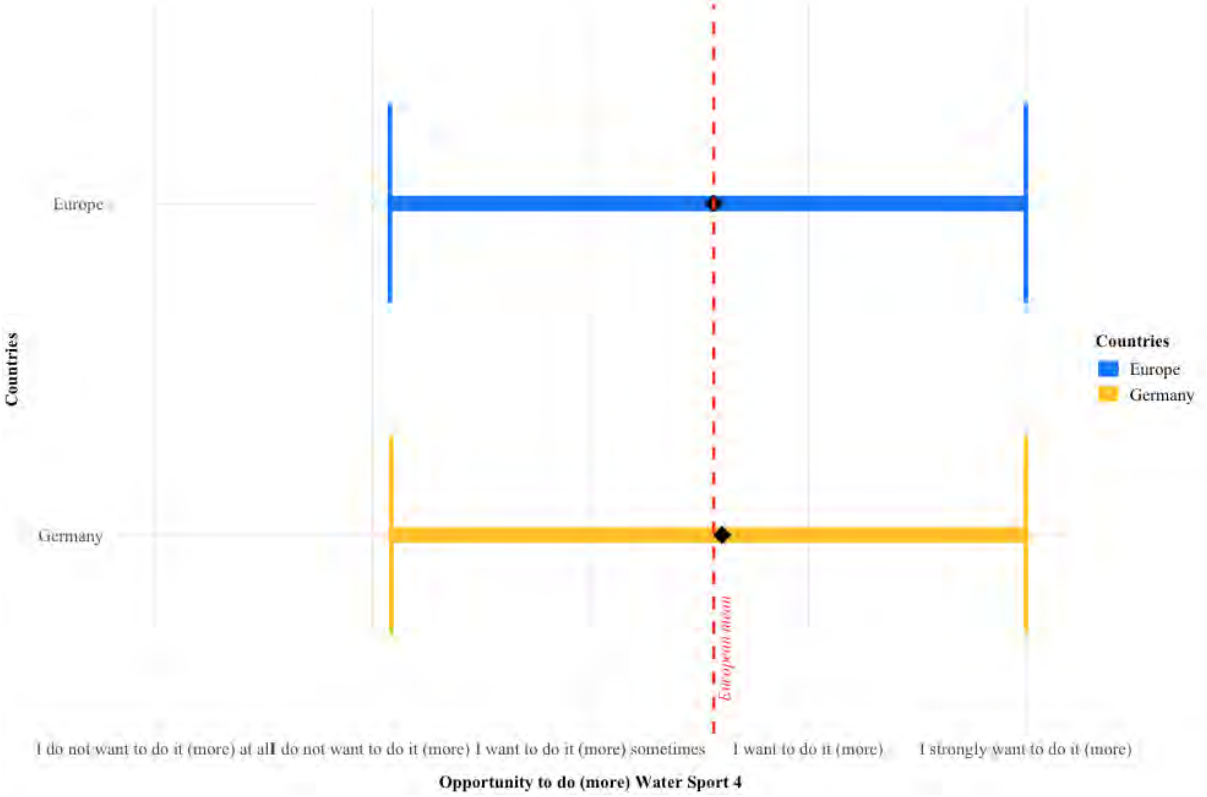


Figure 348. Distribution of the Opportunity to do (more) Water Sport 4 in Europe and in Germany (Mean±SD).

Table 597. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	555	2,371	0.42	0.03 [a]	0.09 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

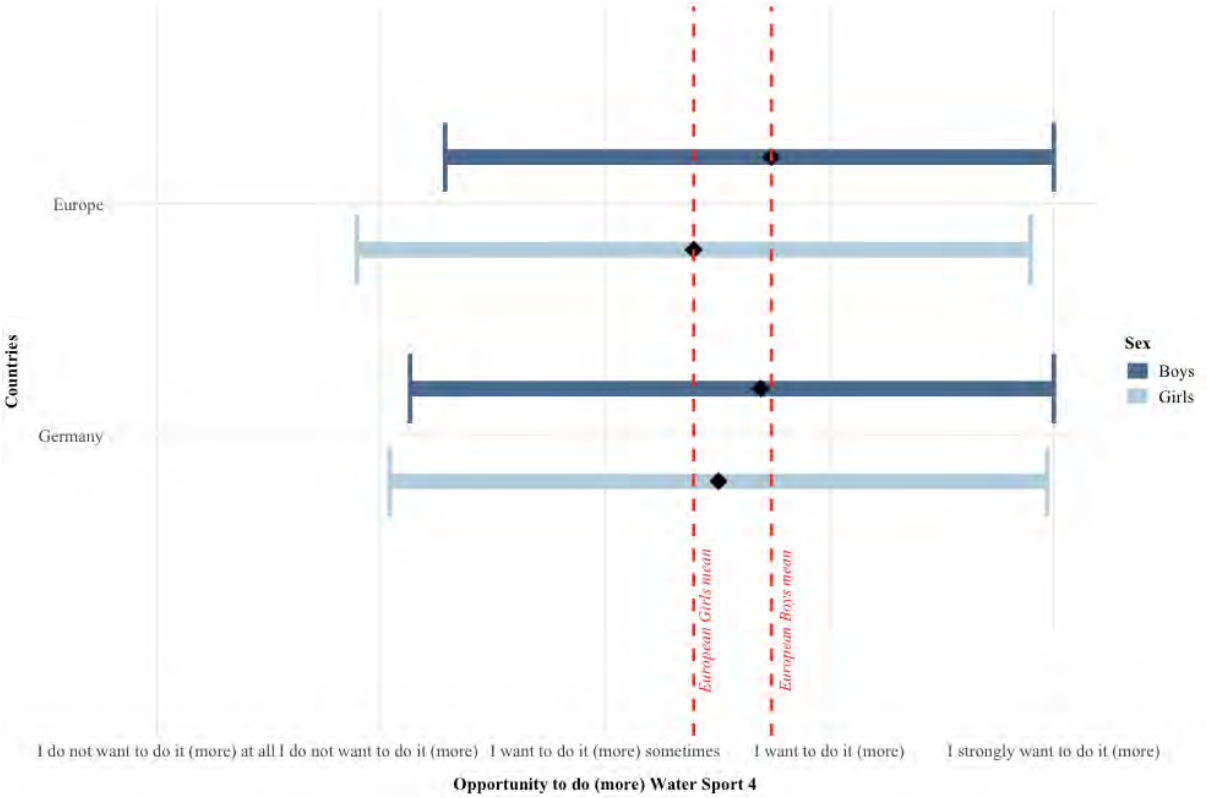


Figure 349. Distribution of the Opportunity to do (more) Water Sport 4 according to the Sex in Europe and in Germany (Mean±SD).

Table 598. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	290	1,176	0.96	0.001 [a]	0.05 [1]
	Girls	265	1,195	0.29	0.03 [a]	0.12 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 599. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	290	265	0.04 *	0.08 [a]	0.5 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

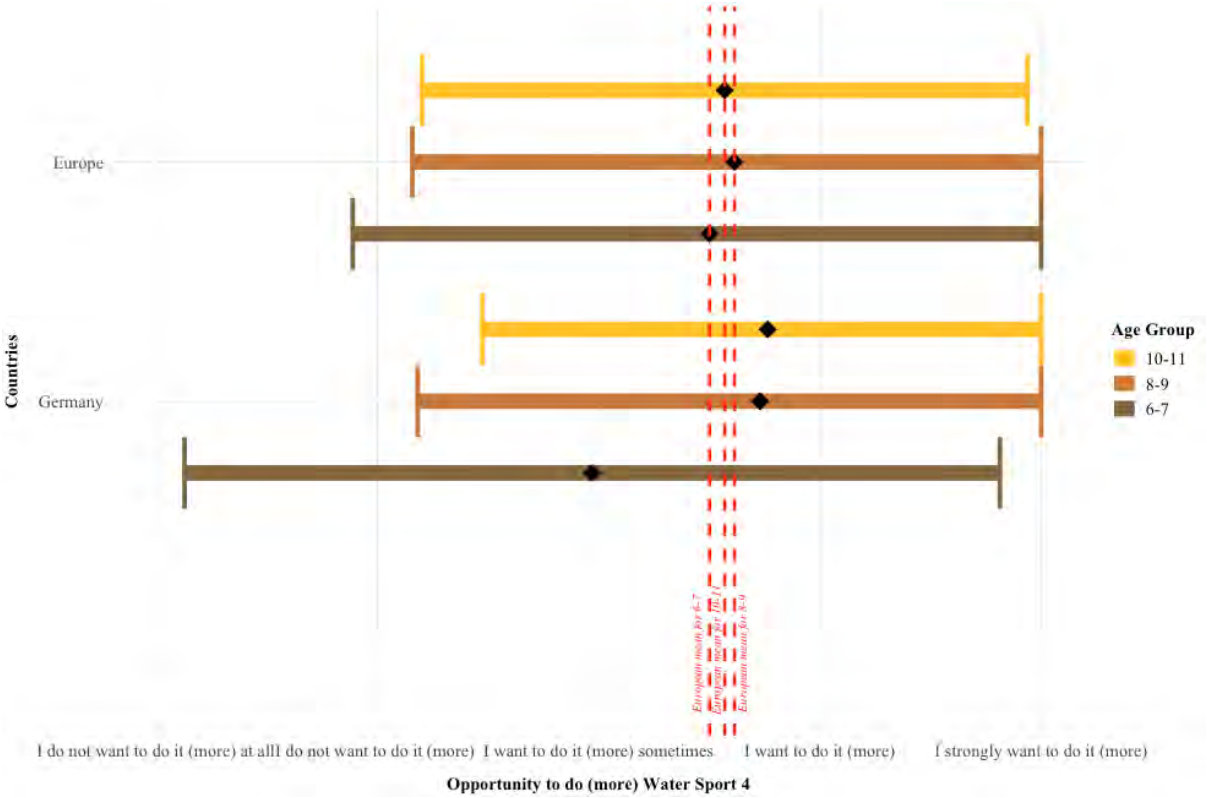


Figure 350. Distribution of the Opportunity to do (more) Water Sport 4 according to the Age Group in Europe and in Germany (Mean±SD).

Table 600. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	105	773	0.01 *	0.08 [a]	0.35 [1]
	8-9 yo	174	998	0.14	0.04 [a]	0.17 [1]
	10-11 yo	276	600	0.05	0.06 [a]	0.41 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 601. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	105	174		0.002 **	0.17 [a]	0.8 [3]
	8-9 yo *vs* 10-11 yo		174	276	0.49	0.03 [a]	0.1 [1]
	6-7 yo *vs* 10-11 yo	105		276	7^{e-04} ***	0.17 [a]	0.84 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

g. Risk perception

1. Low risks in the swimming pool

Overview

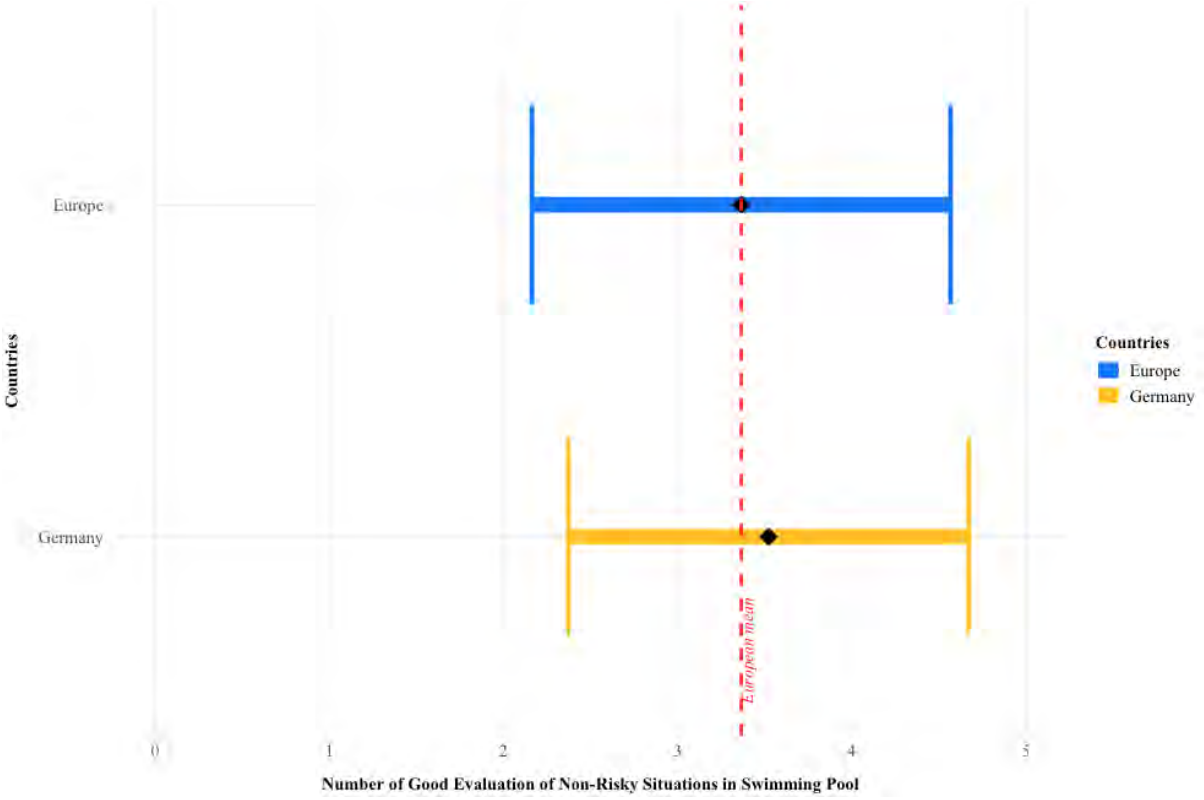


Figure 351. Distribution of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Europe and in Germany (Mean±SD).

Table 602. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	563	2,425	0.001 ***	0.11 [a]	0.68 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

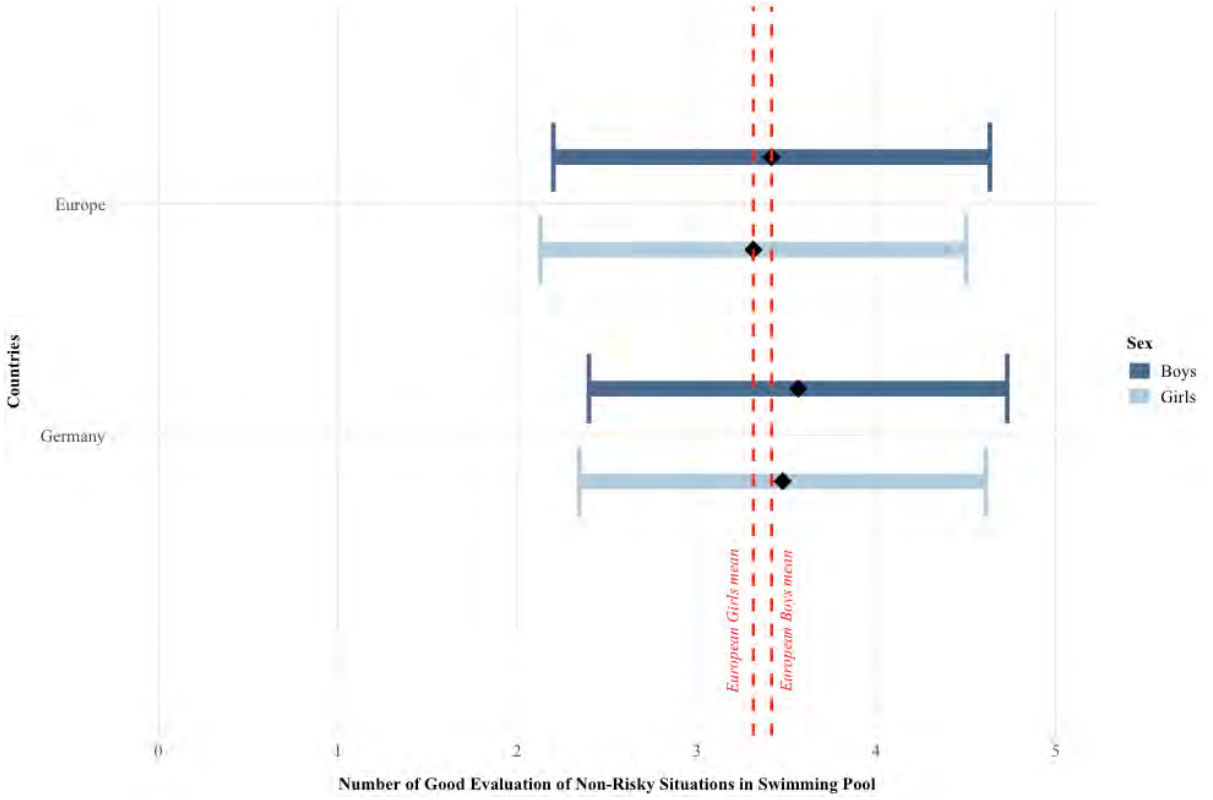


Figure 352. Distribution of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool according to the Sex in Europe and in Germany (Mean±SD).

Table 603. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* **Europe**	Boys	289	1,208	0.03 *	0.05 [a]	0.38 [1]
	Girls	271	1,217	0.02 *	0.06 [a]	0.42 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 604. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany	Boys *vs* Girls	289	271	0.24	0.05 [a]	0.2 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

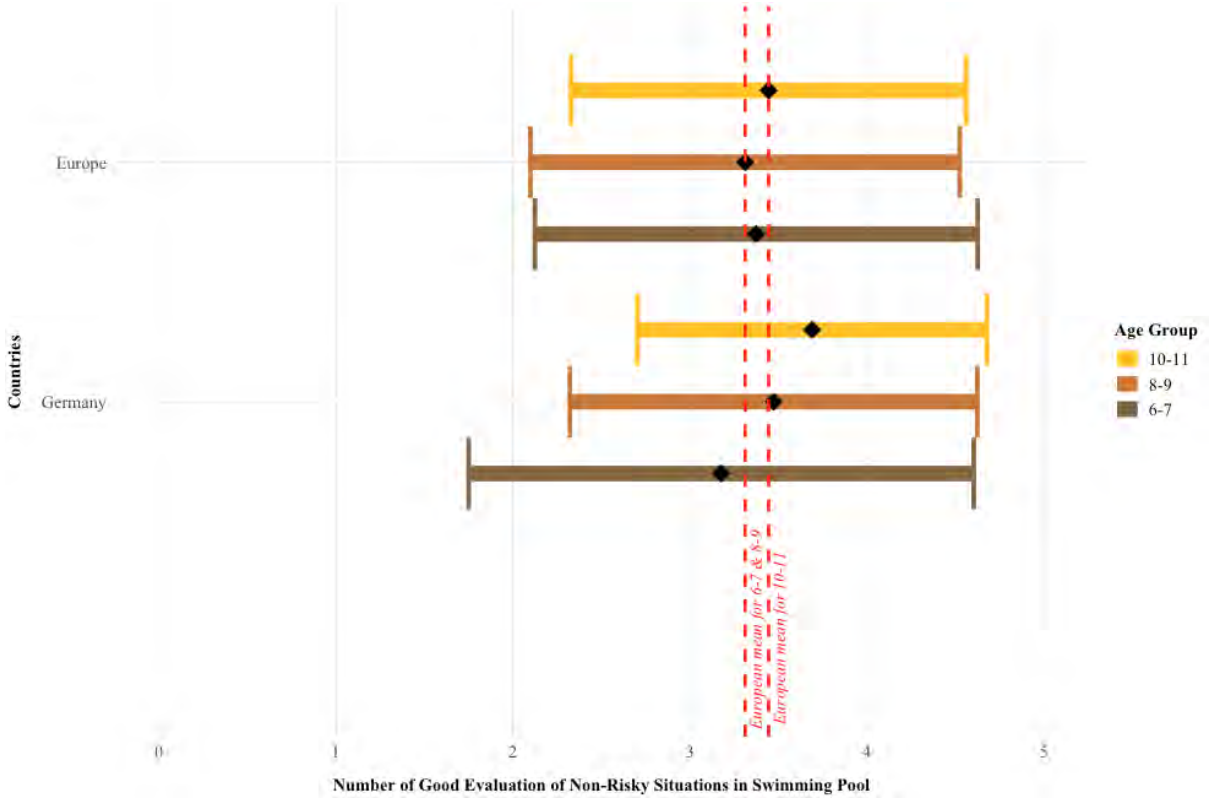


Figure 353. Distribution of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool according to the Age Group in Europe and in Germany (Mean±SD).

Table 605. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	108	791	0.28	0.03 [a]	0.1 [1]
	8-9 yo	178	1,019	0.08	0.05 [a]	0.23 [1]
	10-11 yo	277	615	6.7^{e-04} ***	0.11 [a]	0.86 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 606. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	108	178		0.13	0.09 [a]	0.3 [1]
	8-9 yo *vs* 10-11 yo		178	277	0.05 *	0.09 [a]	0.45 [1]
	6-7 yo *vs* 10-11 yo	108		277	0.001 **	0.15 [a]	0.78 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

2. High risks in the swimming pool

Overview

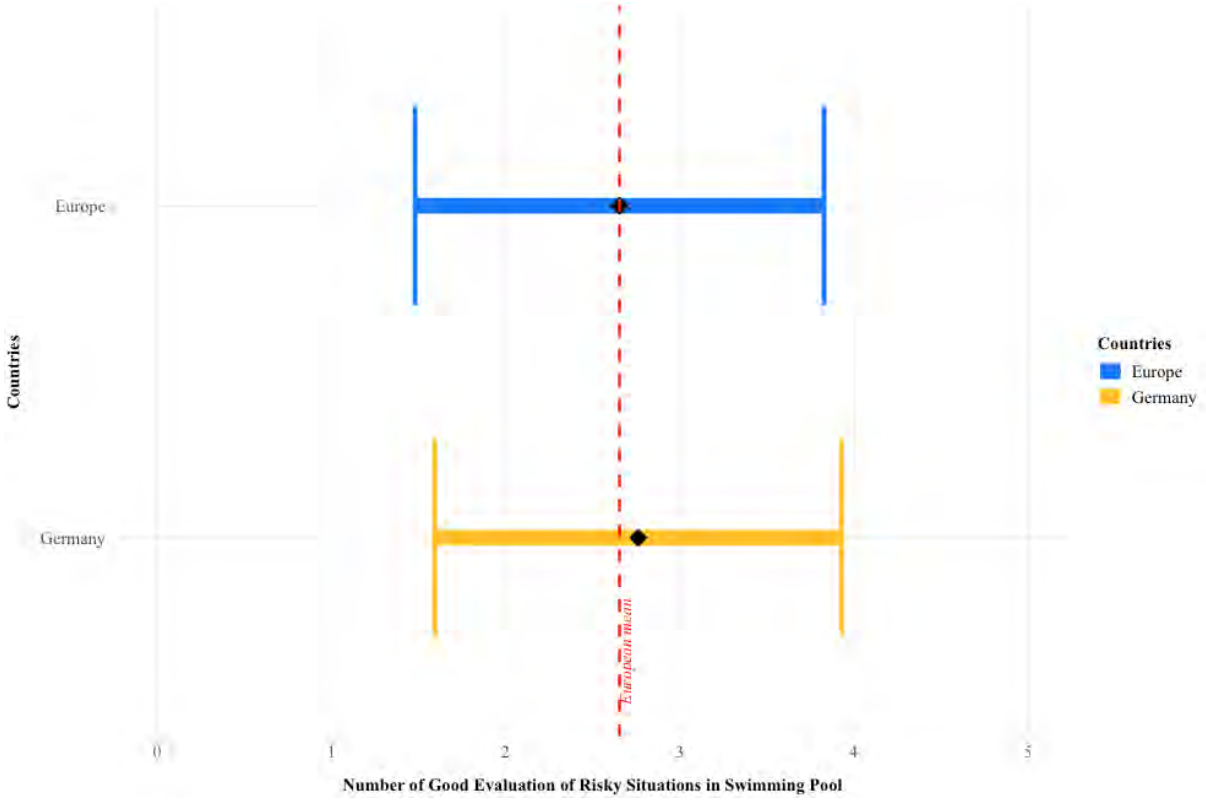


Figure 354. Distribution of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Europe and in Germany (Mean±SD).

Table 607. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	563	2,422	0.05 *	0.07 [a]	0.32 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

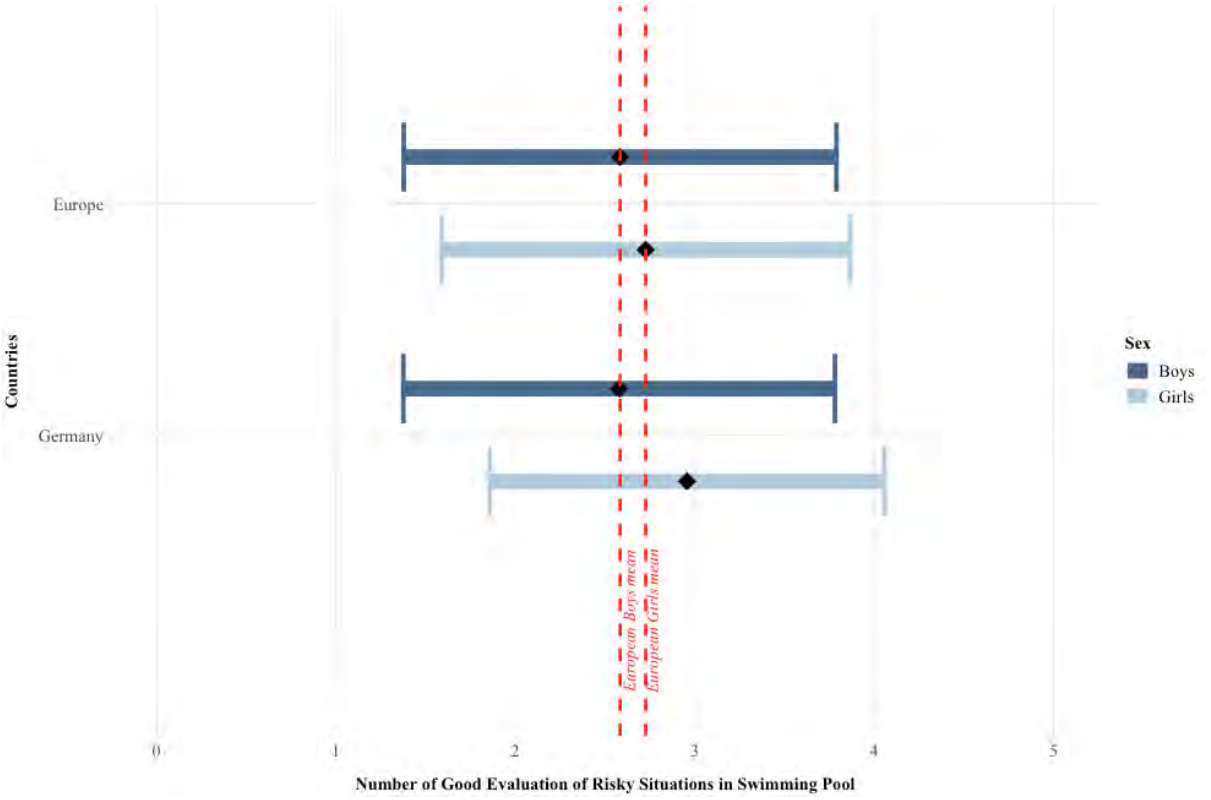


Figure 355. Distribution of the Number of Good Evaluation of Risky Situations in the Swimming Pool according to the Sex in Europe and in Germany (Mean±SD).

Table 608. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	Boys	289	1,207	0.88	0.004 [a]	0.05 [1]
	Girls	274	1,215	0.002 **	0.08 [a]	0.63 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 609. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany	Boys *vs* Girls	289	274	1.4^{e-04} ***	0.15 [a]	0.96 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

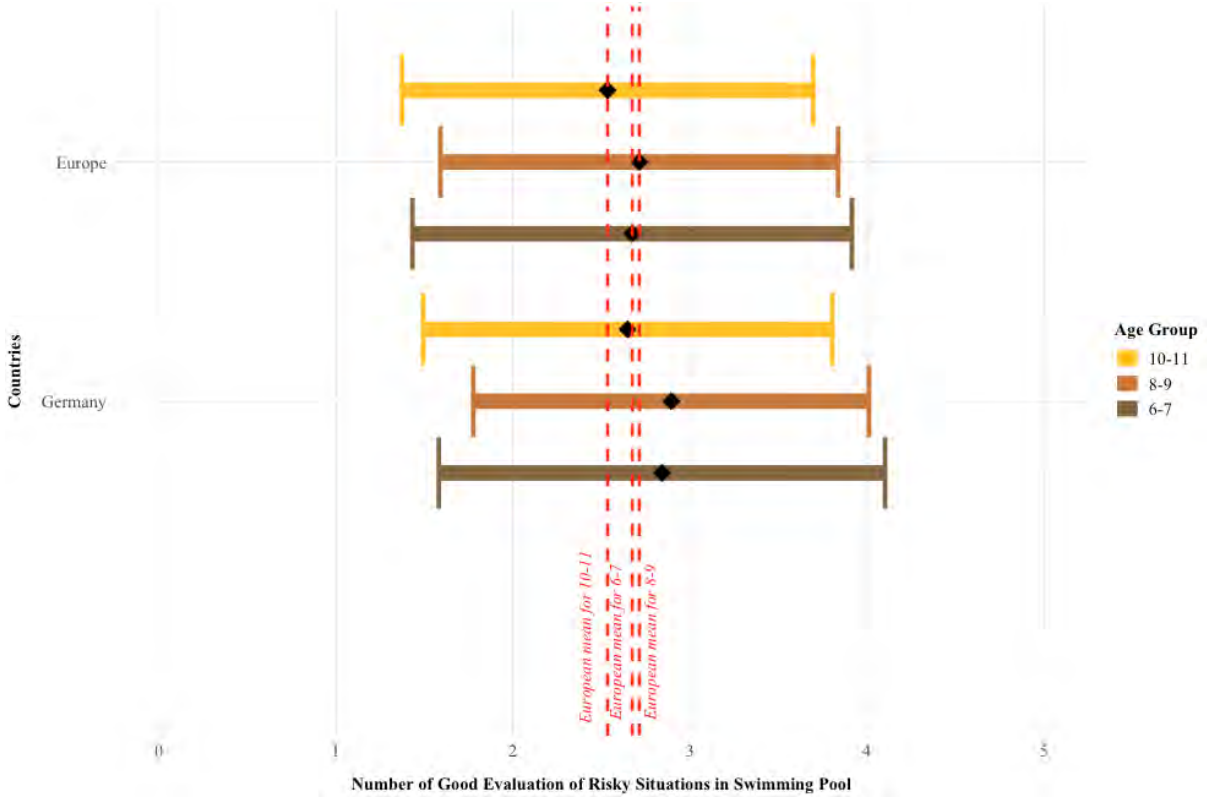


Figure 356. Distribution of the Number of Good Evaluation of Risky Situations in the Swimming Pool according to the Age Group in Europe and in Germany (Mean±SD).

Table 610. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	107	789	0.14	0.05 [a]	0.15 [1]
	8-9 yo	178	1,019	0.09	0.05 [a]	0.21 [1]
	10-11 yo	278	614	0.17	0.04 [a]	0.23 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 611. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	107	178		0.97	0.002 [a]	0.05 [1]
	8-9 yo *vs* 10-11 yo		178	278	0.06	0.08 [a]	0.42 [1]
	6-7 yo *vs* 10-11 yo	107		278	0.12	0.07 [a]	0.27 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

3. Low risks in open water

Overview

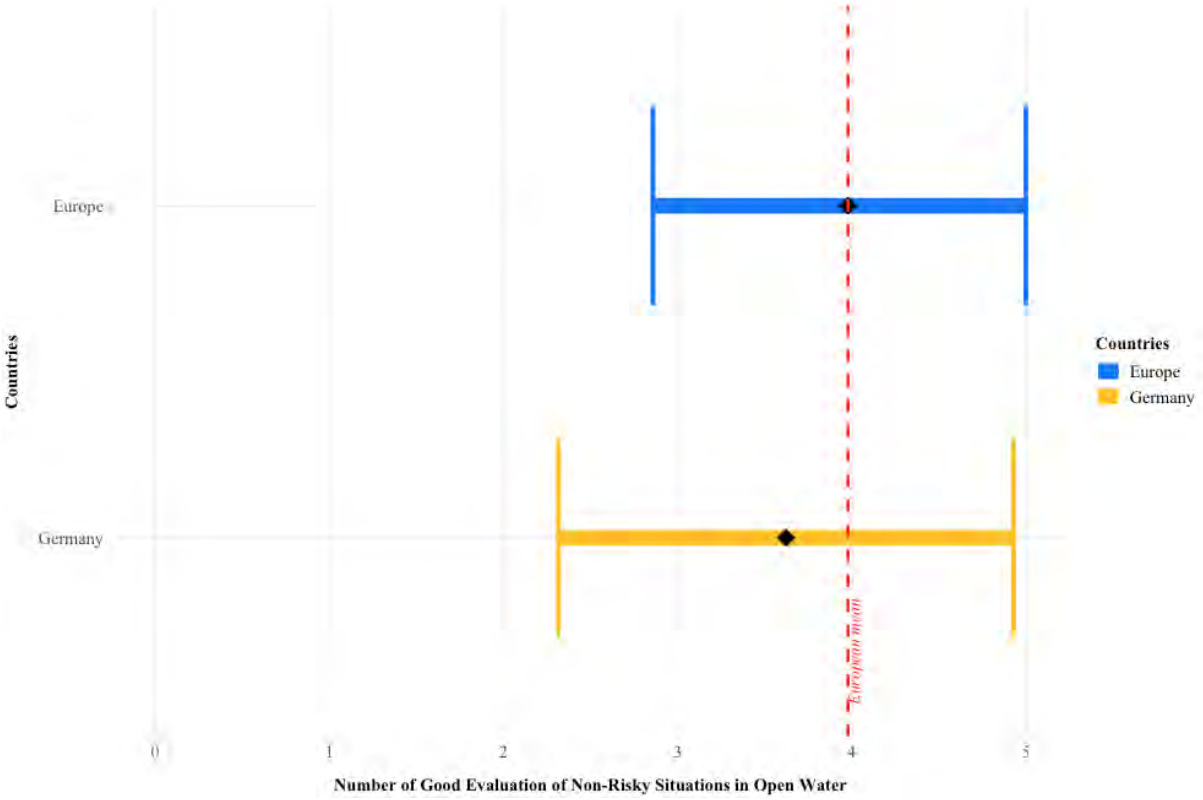


Figure 357. Distribution of the Number of Good Evaluation of Non-Risky Situations in Open Water in Europe and in Germany (Mean±SD).

Table 612. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* **Europe**	564	2,416	5.04^{e-09} ***	0.2 [b]	0.99 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

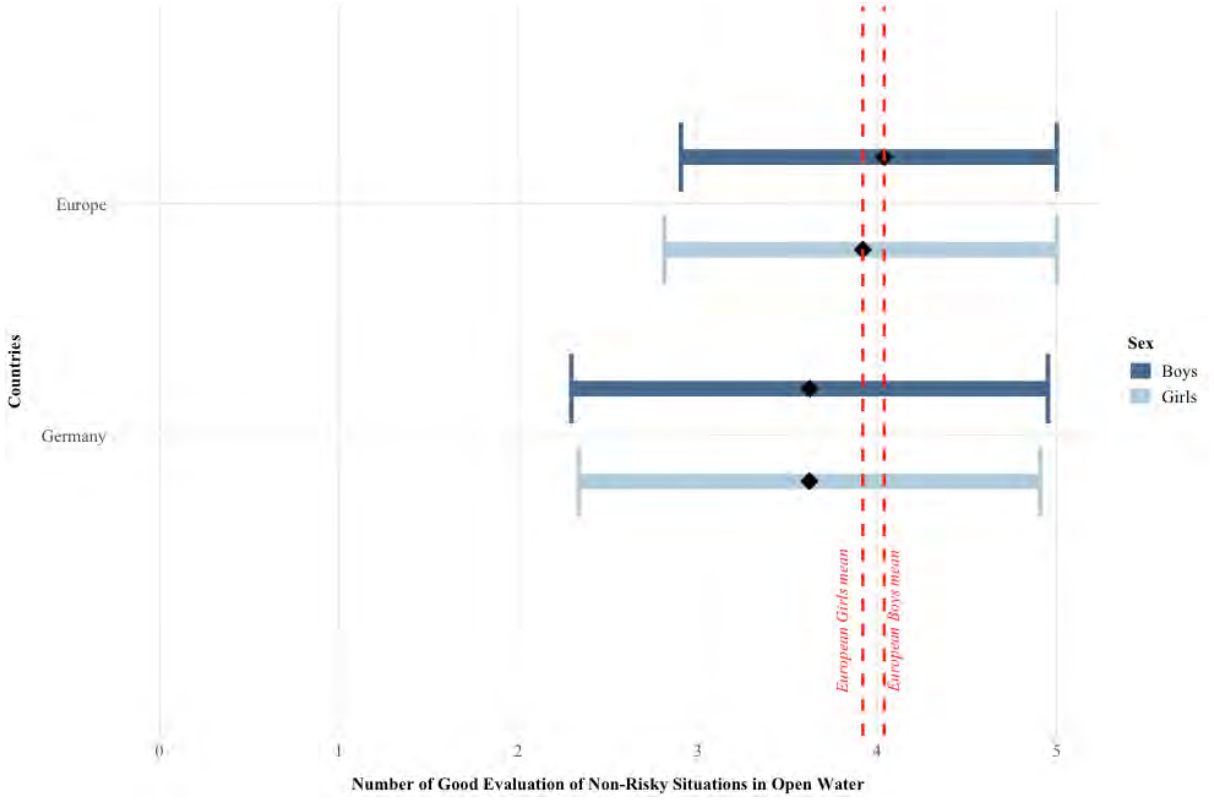


Figure 358. Distribution of the Number of Good Evaluation of Non-Risky Situations in Open Water according to the Sex in Europe and in Germany (Mean±SD).

Table 613. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	Boys	289	1,205	5.61^{e-07} ***	0.12 [a]	0.96 [4]
	Girls	275	1,211	9.33^{e-04} ***	0.08 [a]	0.69 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 614. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany	Boys *vs* Girls	289	275	0.87	0.007 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

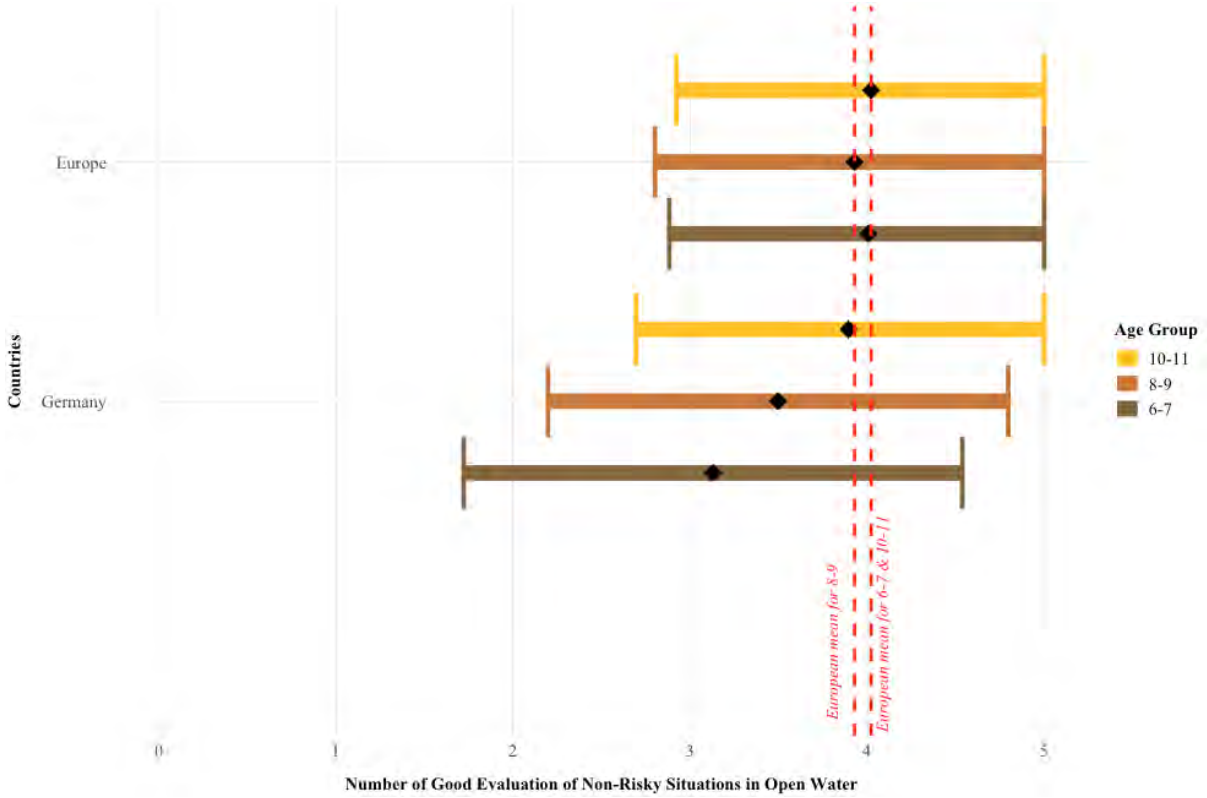


Figure 359. Distribution of the Number of Good Evaluation of Non-Risky Situations in Open Water according to the Age Group in Europe and in Germany (Mean±SD).

Table 615. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	108	786	5.9^{e-11} ***	0.21 [b]	0.98 [4]
	8-9 yo	179	1,018	1.95^{e-05} ***	0.12 [a]	0.83 [3]
	10-11 yo	277	612	0.23	0.04 [a]	0.18 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 616. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	108	179		0.03 *	0.12 [a]	0.52 [2]
	8-9 yo *vs* 10-11 yo		179	277	7.18^{e-04} ***	0.15 [a]	0.89 [3]
	6-7 yo *vs* 10-11 yo	108		277	4.8^{e-07} ***	0.25 [b]	0.99 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

4. High risks in open water

Overview

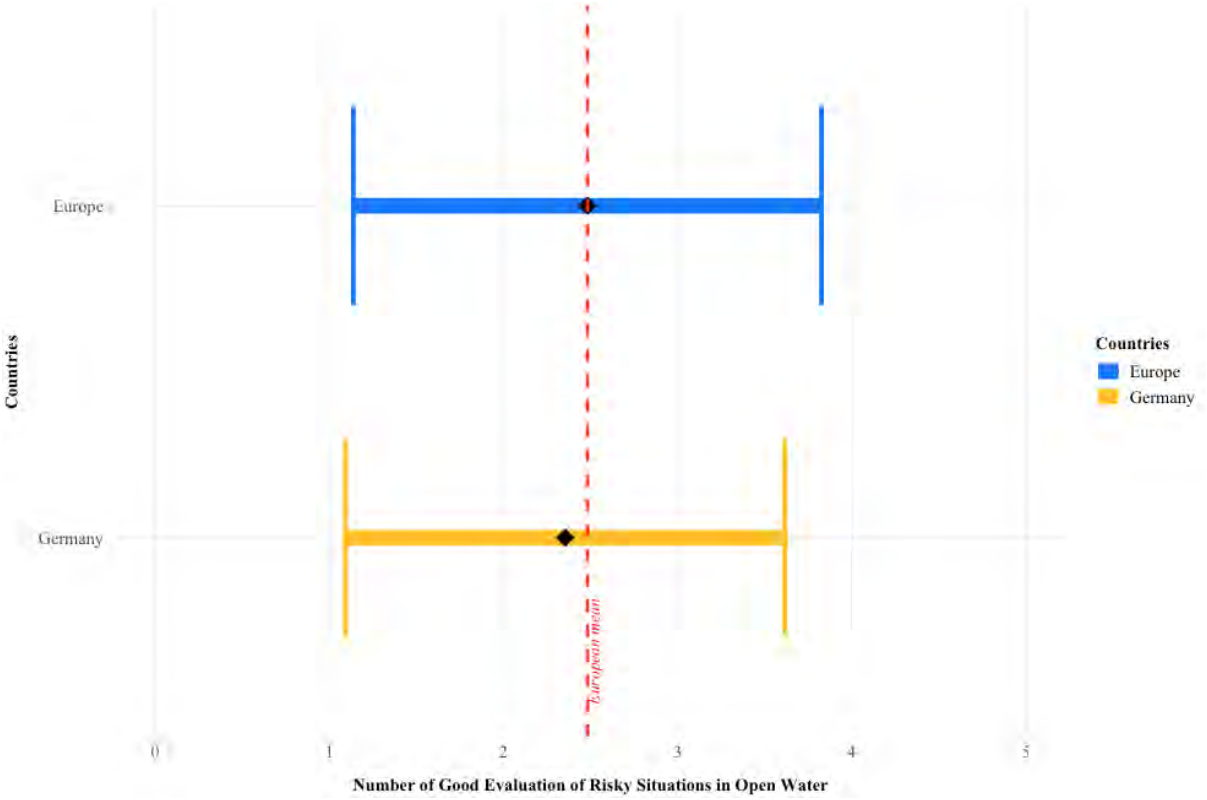


Figure 360. Distribution of the Number of Good Evaluation of Risky Situations in Open Water in Europe and in Germany (Mean±SD).

Table 617. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	562	2,417	0.03 *	0.08 [a]	0.37

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

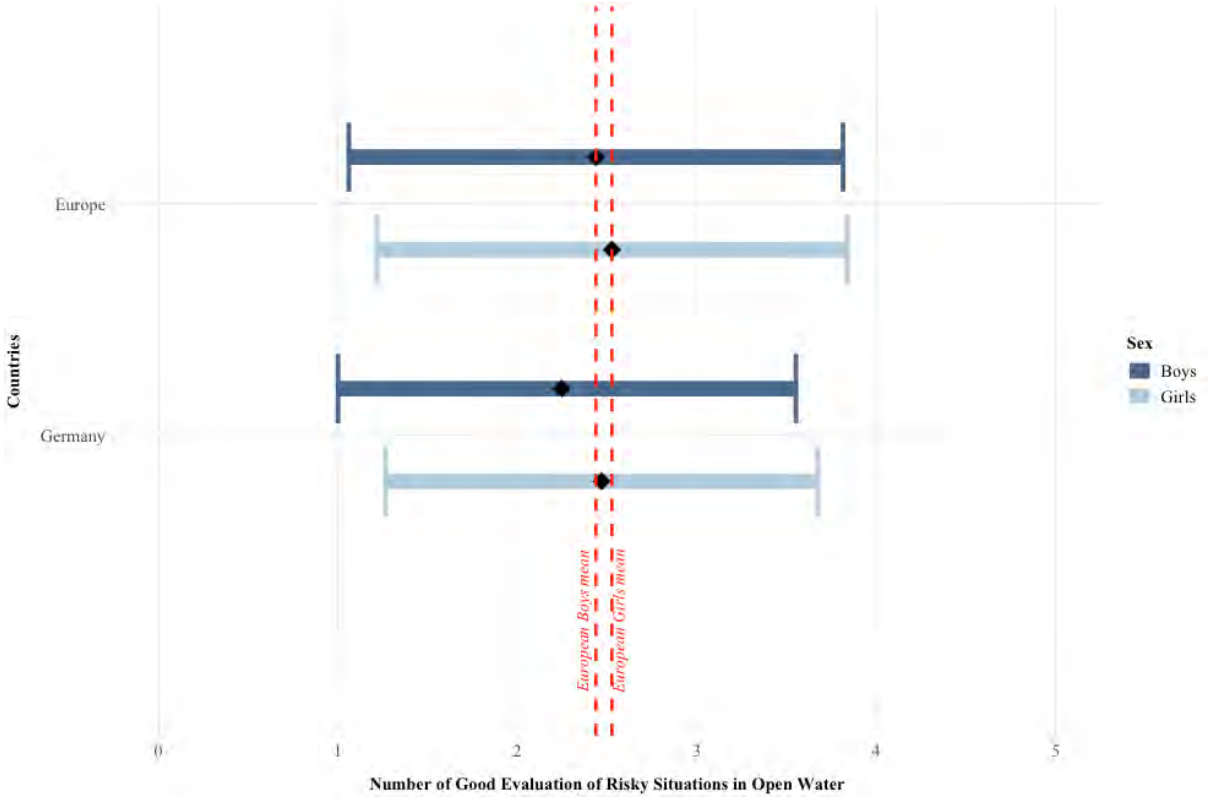


Figure 361. Distribution of the Number of Good Evaluation of Risky Situations in Open Water according to the Sex in Europe and in Germany (Mean±SD).

Table 618. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	Boys	289	1,205	0.02 *	0.06 [a]	0.44 [1]
	Girls	273	1,212	0.55	0.01 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 619. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany	Boys *vs* Girls	289	273	0.03 *	0.09 [a]	0.57 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

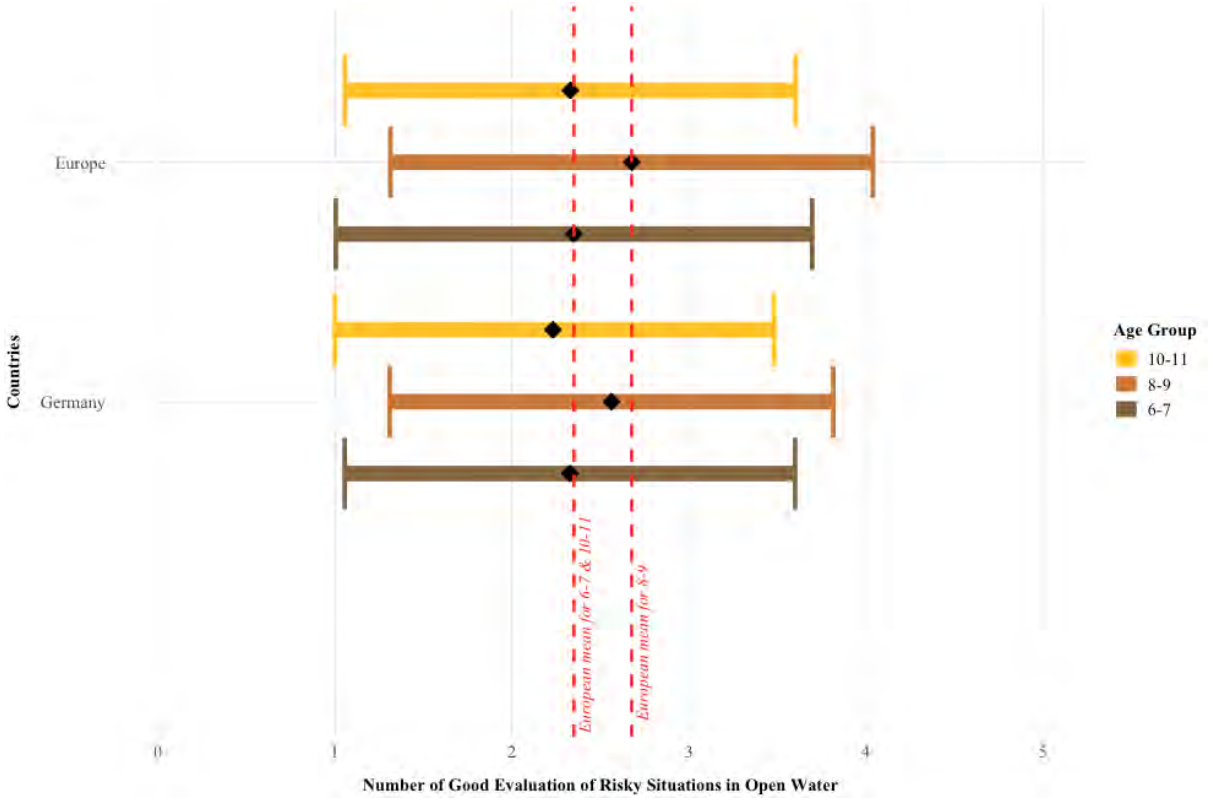


Figure 362. Distribution of the Number of Good Evaluation of Risky Situations in Open Water according to the Age Group in Europe and in Germany (Mean±SD).

Table 620. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	107	786	0.8	0.008 [a]	0.05 [1]
	8-9 yo	178	1,018	0.25	0.03 [a]	0.12 [1]
	10-11 yo	277	613	0.26	0.04 [a]	0.17 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 621. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	107	178		0.11	0.09 [a]	0.32 [1]
	8-9 yo *vs* 10-11 yo		178	277	0.008 **	0.12 [a]	0.72 [2]
	6-7 yo *vs* 10-11 yo	107		277	0.58	0.03 [a]	0.08 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

D. Isolated task

Descriptive analysis

Table 622. Number of children who did the Isolated Tasks test.

Country	Sex	Age group	Entry in the water (n=)	Exit from the water (n=)	Propulsion on the belly (n=)	Floating (n=)
Europe	Boys	6-7	303	303	295	296
		8-9	474	474	472	471
		10-11	253	253	245	245
	Girls	6-7	333	333	323	328
		8-9	410	410	407	410
		10-11	266	266	255	256
Germany	Boys	6-7	43	43	38	38
		8-9	77	77	73	72
		10-11	130	130	129	129
	Girls	6-7	42	42	39	39
		8-9	82	82	80	82
		10-11	118	118	117	116
Total			**2,531**	**2,531**	**2,473**	**2,482**

Country	Sex	Age group	Propulsion on the Back (n=)	Breathing (n=)	Treading water (n=)	Submersion (n=)	Rotations (n=)
Europe	Boys	6-7	289	245	297	294	220
		8-9	469	452	471	472	402
		10-11	245	245	253	253	225
	Girls	6-7	317	292	327	325	255
		8-9	406	382	408	407	334
		10-11	255	260	263	265	240
Germany	Boys	6-7	36	32	40	38	18
		8-9	70	69	74	71	47
		10-11	124	123	130	128	98
	Girls	6-7	36	35	41	37	8
		8-9	79	70	82	80	45
		10-11	118	113	118	118	88
Total			**2,444**	**2,318**	**2,504**	**2,488**	**1,980**

Notes. Europe: Belgium, France, Lithuania, Norway, Poland and Portugal.

Table 623. Descriptive analyse of the Isolated Tasks test.

Country	Sex	Age group	Entry in the water Mean (±SD)	Exit from the water Mean (±SD)	Propulsion on the belly Mean (±SD)	Floating Mean (±SD)
Europe	Boys	6-7	2.46 (±1.75)	3.24 (±1.82)	11.47 (±15.78)	4.64 (±5.81)
		8-9	3.56 (±1.51)	4.05 (±1.46)	28.68 (±23.01)	9.26 (±6.12)
		10-11	4.2 (±1.25)	4.51 (±1.2)	41.66 (±21.97)	11.04 (±5.09)
	Girls	6-7	2.19 (±1.85)	3.03 (±1.81)	12.4 (±16.46)	5.68 (±6.26)
		8-9	3.25 (±1.49)	3.75 (±1.58)	26.5 (±22.69)	9.28 (±6.32)
		10-11	3.73 (±1.48)	4.17 (±1.48)	40.76 (±23.31)	11.18 (±5.21)
Germany	Boys	6-7	2.38 (±1.9)	3.12 (±1.98)	21.48 (±17.84)	4.35 (±5.72)
		8-9	3.21 (±1.7)	3.99 (±1.66)	39.2 (±22.63)	7.56 (±5.79)
		10-11	4.13 (±1.25)	4.51 (±1.09)	54.62 (±19.37)	9.53 (±5.43)
	Girls	6-7	2.12 (±1.6)	2.2 (±1.93)	18.75 (±22.07)	3.88 (±5.27)
		8-9	2.76 (±1.79)	3.27 (±2.02)	36.64 (±23.6)	8.55 (±6.54)
		10-11	4.17 (±1.09)	4.28 (±1.24)	59.16 (±14.72)	10.94 (±5.19)

Country	Sex	Age group	Propulsion on the back Mean (±SD)	Breathing Mean (±SD)	Treading water Mean (±SD)	Submersion Mean (±SD)	Rotations Mean (±SD)
Europe	Boys	6-7	12.89 (±17.4)	3.14 (±1.59)	25.8 (±38.83)	0.79 (±1.33)	1.91 (±1.74)
		8-9	31.15 (±23.92)	4.18 (±1.34)	64.14 (±50.17)	2.3 (±2.75)	3.24 (±1.72)
		10-11	40.15 (±22.46)	4.54 (±1.06)	87.8 (±45.09)	3.32 (±3.13)	3.86 (±1.47)
	Girls	6-7	13.74 (±18.23)	3.17 (±1.6)	27.54 (±40.99)	0.73 (±1.27)	1.87 (±1.79)
		8-9	30.17 (±24.28)	4.02 (±1.39)	61.34 (±49.68)	1.95 (±2.3)	2.98 (±1.74)
		10-11	41.13 (±22.57)	4.34 (±1.24)	85.6 (±47.44)	3.37 (±3.28)	3.82 (±1.57)
Germany	Boys	6-7	13.42 (±17.38)	3.13 (±1.59)	46.5 (±50.09)	1.16 (±1.62)	3.28 (±1.64)
		8-9	30.49 (±21.66)	3.58 (±1.3)	80.52 (±49.88)	2.37 (±3.02)	3.69 (±1.42)
		10-11	48.19 (±18.09)	4.3 (±1.13)	106.92 (±32.11)	4.44 (±3.66)	4.24 (±1.01)
	Girls	6-7	13 (±21.06)	3.09 (±1.41)	36.15 (±50)	1.17 (±2.52)	3.88 (±1.13)
		8-9	29.18 (±24.34)	3.33 (±1.43)	76.13 (±52.06)	2.43 (±2.71)	4.07 (±1.1)
		10-11	48.5 (±17.19)	4.26 (±1.06)	109.67 (±28.85)	4.5 (±3.4)	4.6 (±0.69)

Notes. Europe: Belgium, France, Lithuania, Norway, Poland and Portugal.

a. Entry in the water

Overview

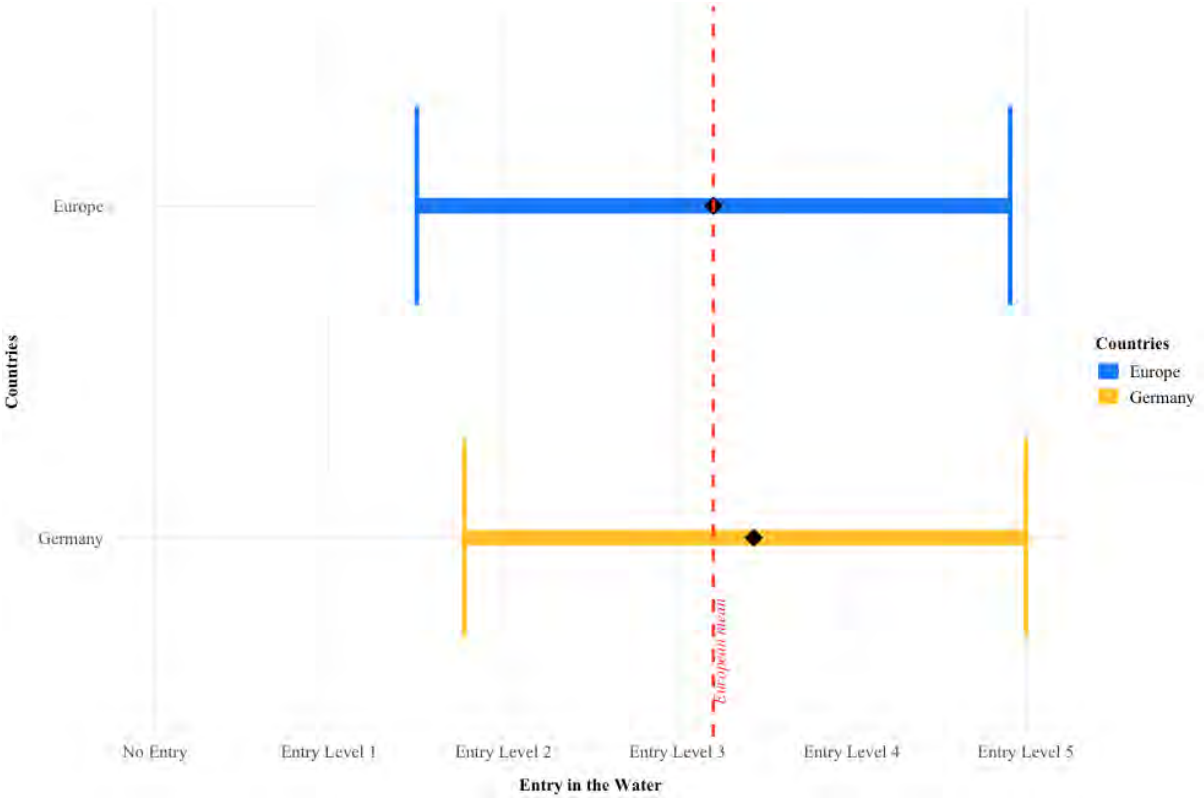


Figure 363. Distribution of the Entry in the Water in Europe and in Germany (Mean±SD).

Table 624. Comparative Analysis of the Entry in the Water in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	492	2,039	0.005 **	0.11 [a]	0.52 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

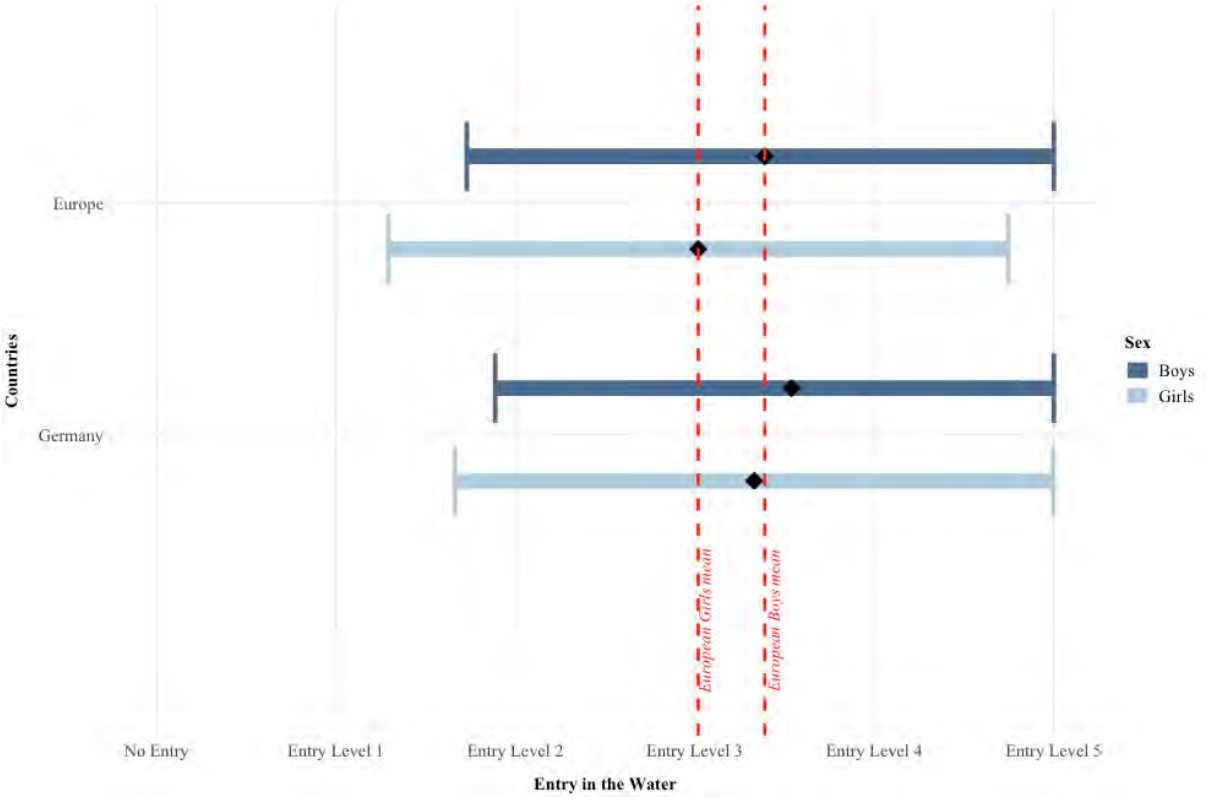


Figure 364. Distribution of the Entry in the Water according to the Sex in Europe and in Germany (Mean±SD).

Table 625. Comparative Analysis of the Entry in the Water in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	Boys	250	1,030	0.18	0.03 [a]	0.17 [1]
	Girls	242	1,009	0.01 **	0.07 [a]	0.5 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 626. Comparative Analysis of the Entry in the Water in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany	Boys *vs* Girls	250	242	0.08	0.07 [a]	0.37 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

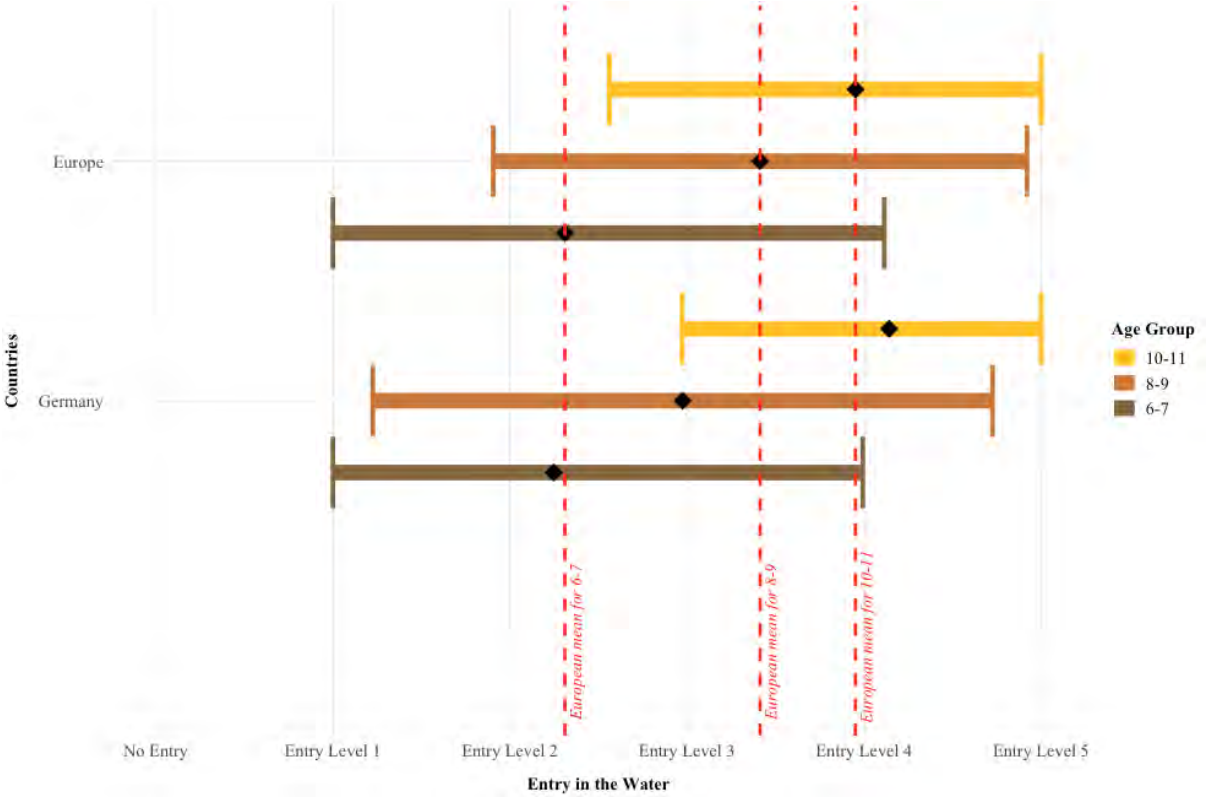


Figure 365. Distribution of the Entry in the Water according to the Age Group in Europe and in Germany (Mean±SD).

Table 627. Comparative Analysis of the Entry in the Water in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	85	636	0.74	0.01 [a]	0.05 [1]
	8-9 yo	159	884	0.008 **	0.08 [a]	0.46 [1]
	10-11 yo	248	519	0.26	0.04 [a]	0.16 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 628. Comparative Analysis of the Entry in the Water in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	85	159		0.002 **	0.19 [a]	0.84 [3]
	8-9 yo *vs* 10-11 yo		159	248	4.29^{e-13} ***	0.34 [b]	1 [4]
	6-7 yo *vs* 10-11 yo	85		248	7.57^{e-19} ***	0.46 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

b. Exit from the water

Overview

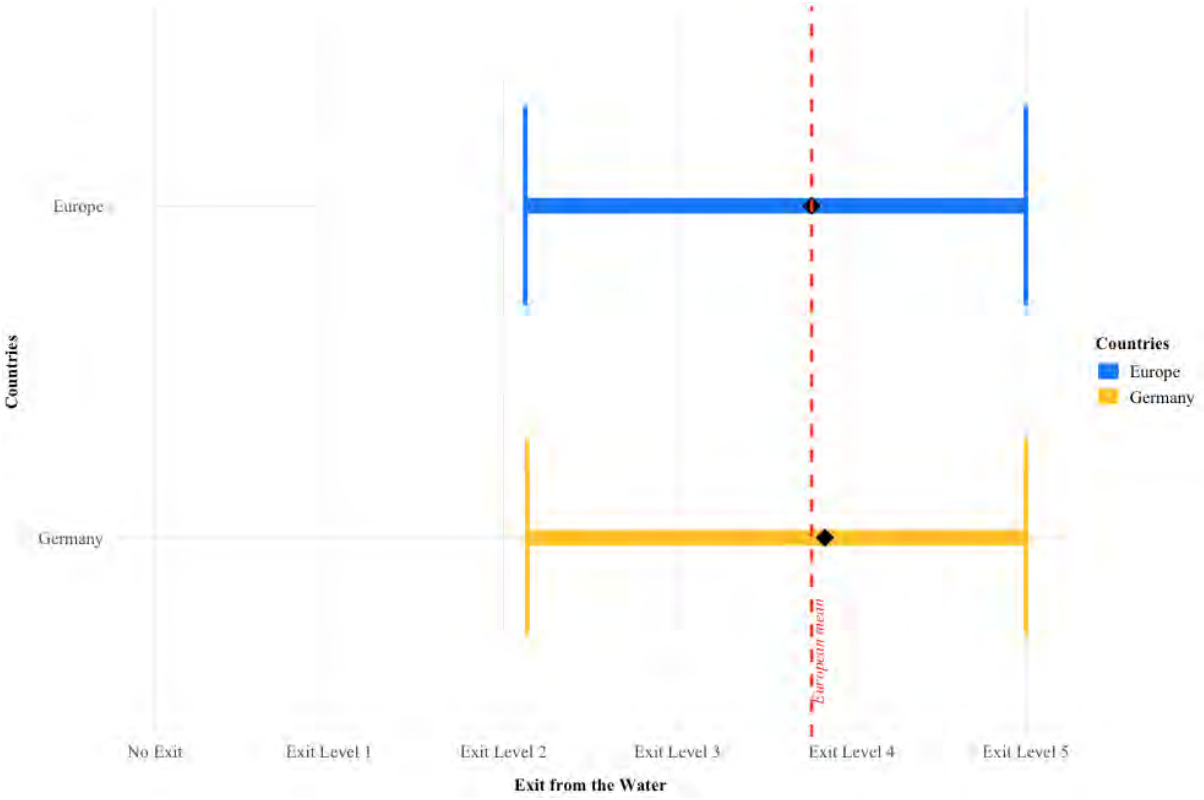


Figure 366. Distribution of the Exit from the Water in Europe and in Germany (Mean±SD).

Table 629. Comparative Analysis of the Exit from the Water in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	492	2,039	0.33	0.03 [a]	0.11 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

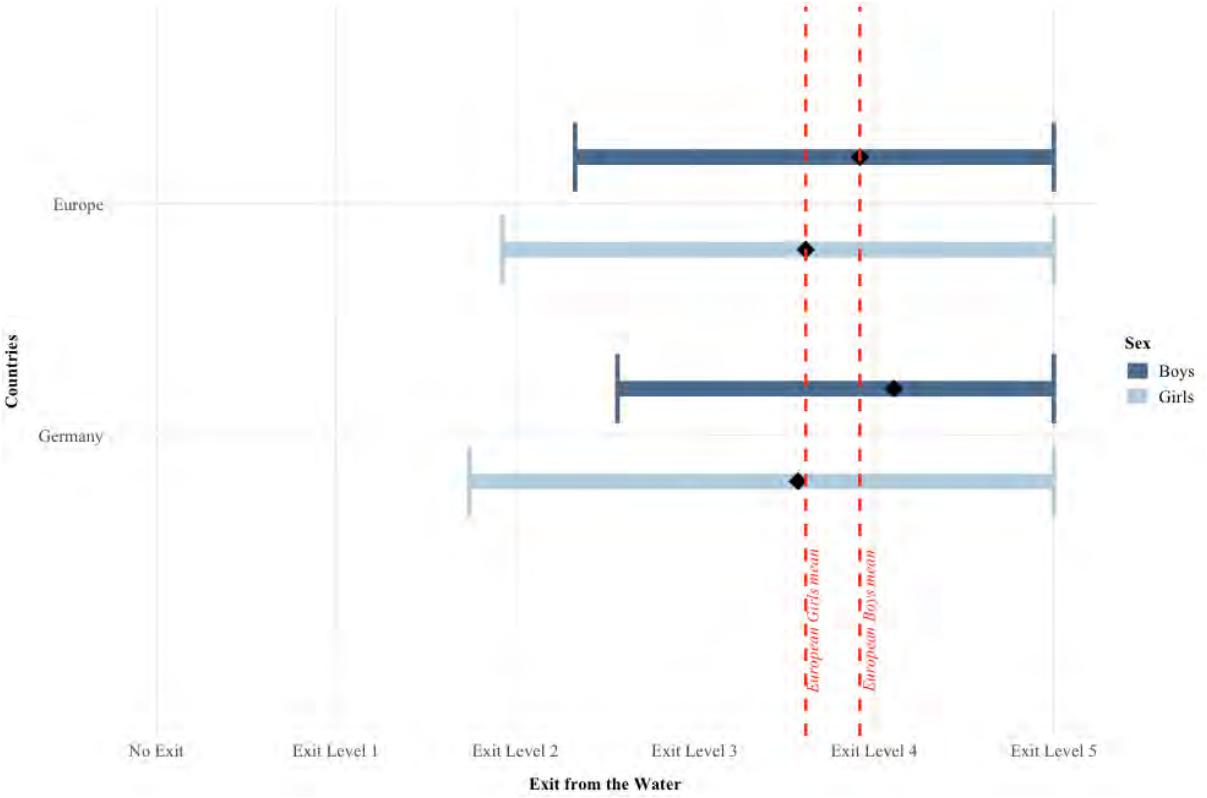


Figure 367. Distribution of the Exit from the Water according to the Sex in Europe and in Germany (Mean±SD).

Table 630. Comparative Analysis of the Exit from the Water in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	250	1,030	0.13	0.004 [a]	0.18 [1]
	Girls	242	1,009	0.87	0.004 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 631. Comparative Analysis of the Exit from the Water in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	250	242	4.2^{e-04} ***	0.14 [a]	0.89 [3]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

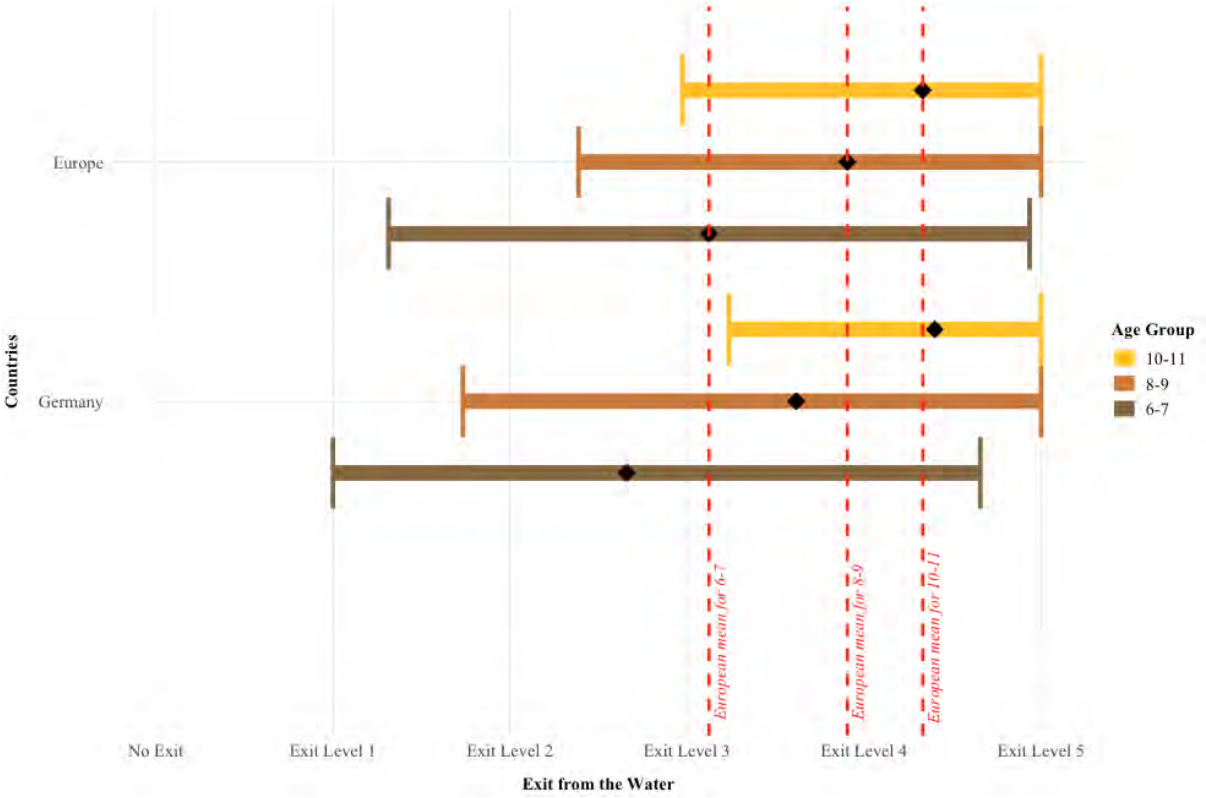


Figure 368. Distribution of the Exit from the Water according to the Age Group in Europe and in Germany (Mean±SD).

Table 632. Comparative Analysis of the Exit from the Water in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	85	636	0.01 *	0.09 [a]	0.34 [1]
	8-9 yo	159	884	0.3	0.03 [a]	0.1 [1]
	10-11 yo	248	519	0.4	0.03 [a]	0.1 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 633. Comparative Analysis of the Exit from the Water in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	85	159		2.25^{e-05} ***	0.25 [b]	0.97 [4]
	8-9 yo *vs* 10-11 yo		159	248	1.71^{e-04} ***	0.16 [a]	0.89 [3]
	6-7 yo *vs* 10-11 yo	85		248	5.03^{e-16} ***	0.4 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

c. Propulsion on the belly

Overview

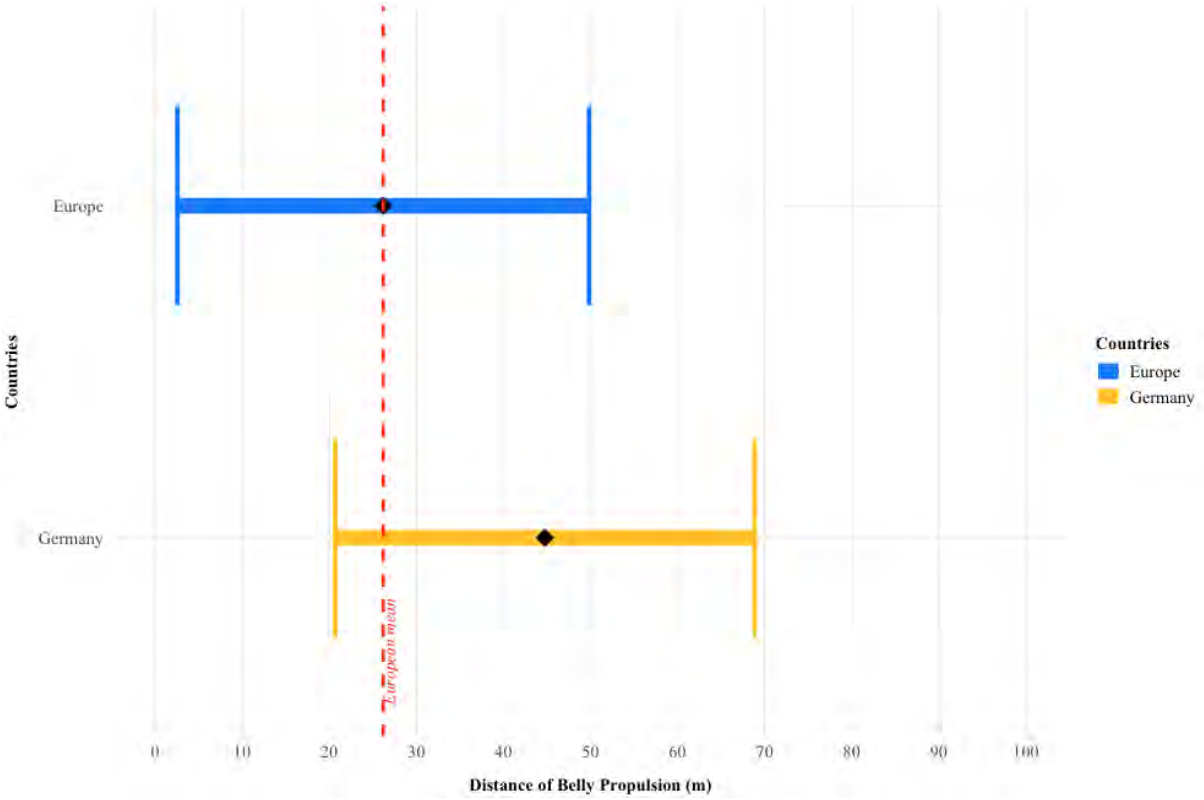


Figure 369. Distribution of the Propulsion on the Belly in Europe and in Germany (Mean±SD).

Table 634. Comparative Analysis of the Propulsion on the Belly in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* **Europe**	476	1,997	$5.96^{e\text{-}46}$ ***	0.59 [a]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

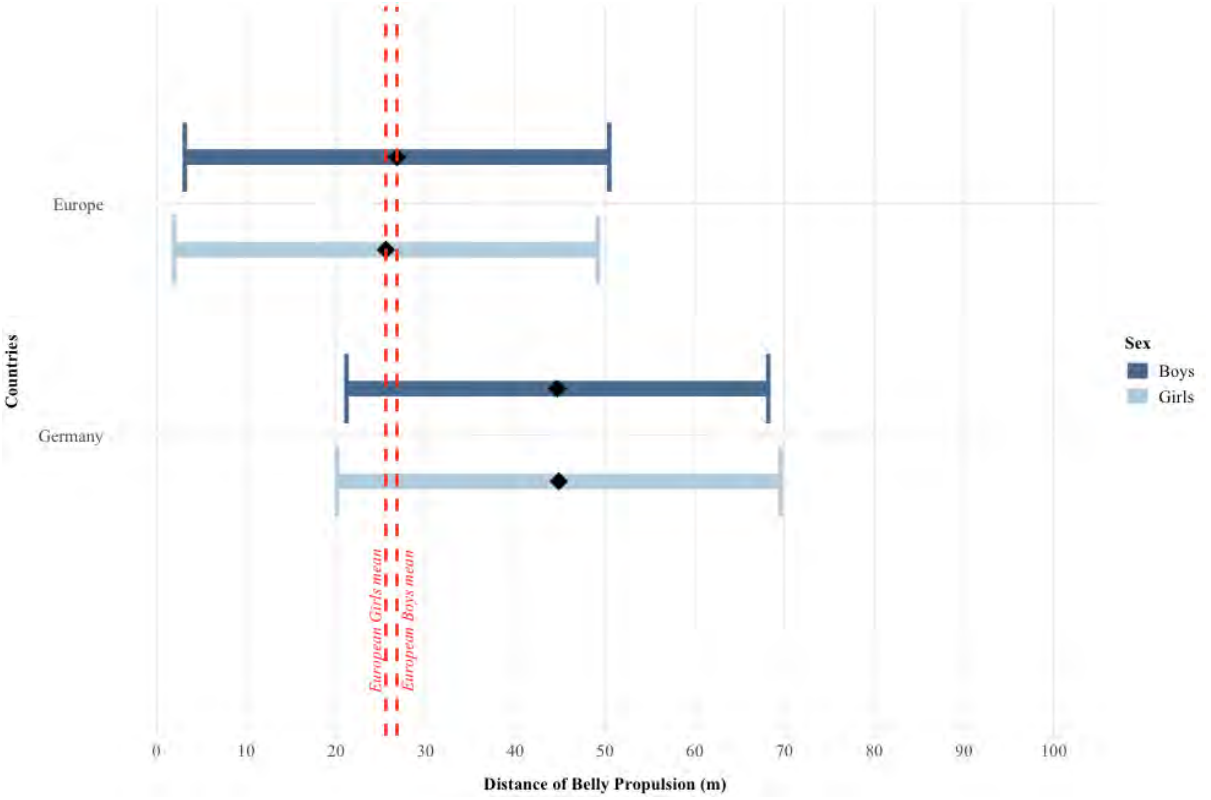


Figure 370. Distribution of the Propulsion on the Belly according to the Sex in Europe and in Germany (Mean±SD).

Table 635. Comparative Analysis of the Propulsion on the Belly in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	240	1,012	2.16^{e-23} ***	0.28 [b]	1 [4]
	Girls	236	958	3.78^{e-24} ***	0.29 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 636. Comparative Analysis of the Propulsion on the Belly in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	240	236	0.82	0.01 [b]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

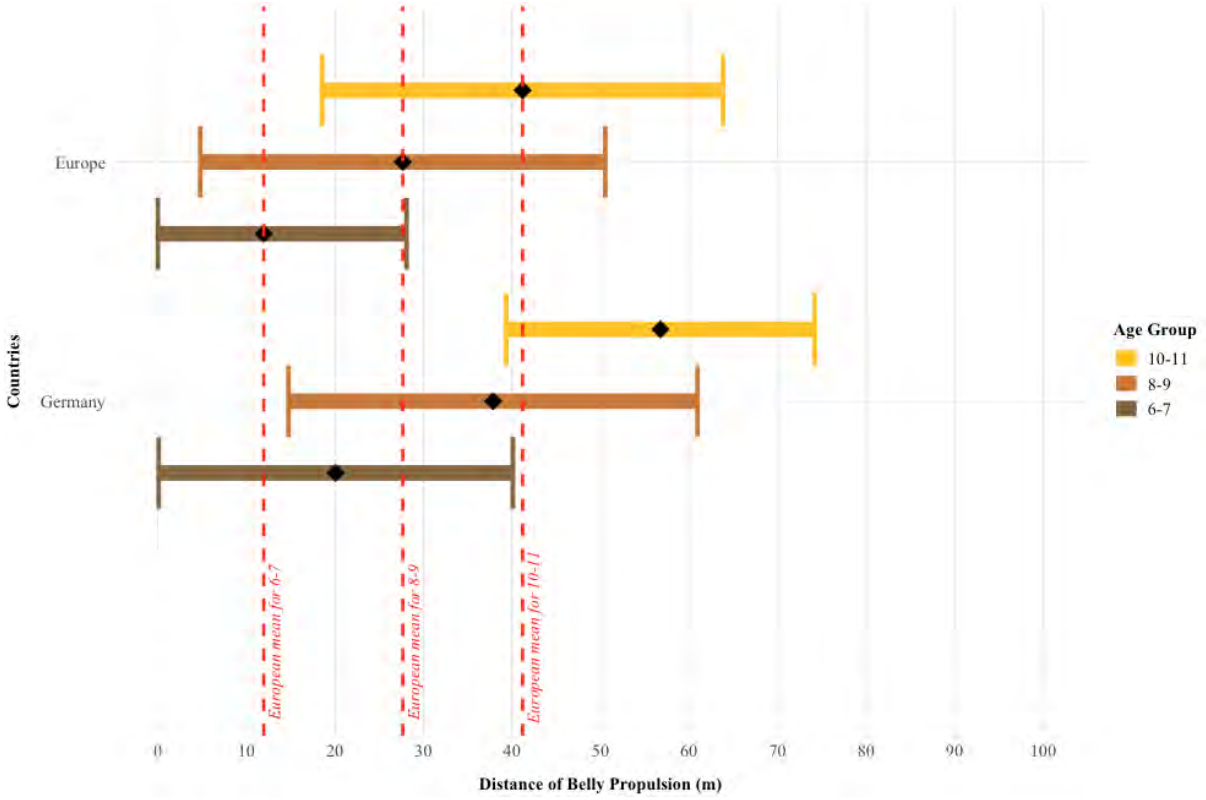


Figure 371. Distribution of the Propulsion on the Belly according to the Age Group in Europe and in Germany (Mean±SD).

Table 637. Comparative Analysis of the Propulsion on the Belly in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	77	618	3.03^{e-04} ***	0.13 [a]	0.6 [2]
	8-9 yo	153	879	5.95^{e-07} ***	0.15 [a]	0.95 [4]
	10-11 yo	246	500	1.62^{e-20} ***	0.34 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 638. Comparative Analysis of the Propulsion on the Belly in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	77	153		5.21^{e-08} ***	0.36 [b]	1 [4]
	8-9 yo *vs* 10-11 yo		153	246	6.64^{e-17} ***	0.42 [b]	1 [4]
	6-7 yo *vs* 10-11 yo	77		246	7.53^{e-28} ***	0.61 [c]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

e. Propulsion on the back

Overview

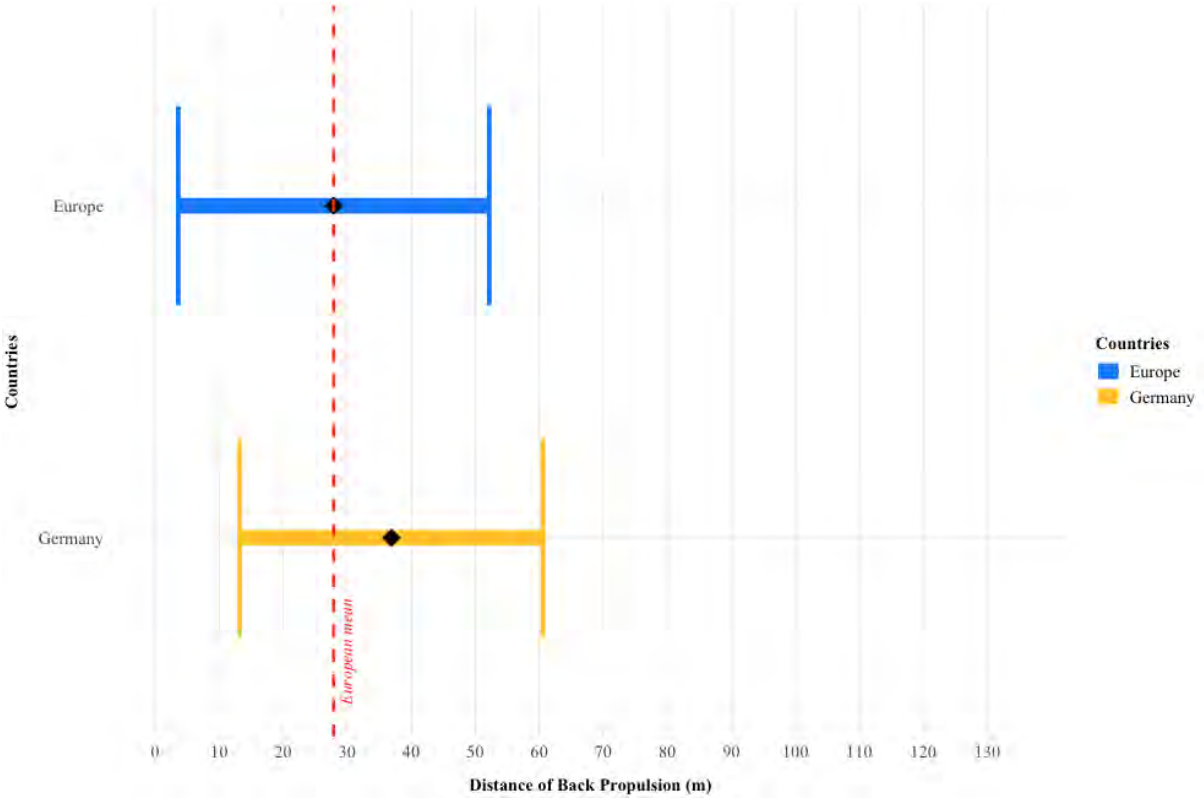


Figure 372. Distribution of the Propulsion on the Back in Europe and in Germany (Mean±SD).

Table 639. Comparative Analysis of the Propulsion on the Back in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* **Europe**	463	1,981	6.16^{e-14} ***	0.31 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

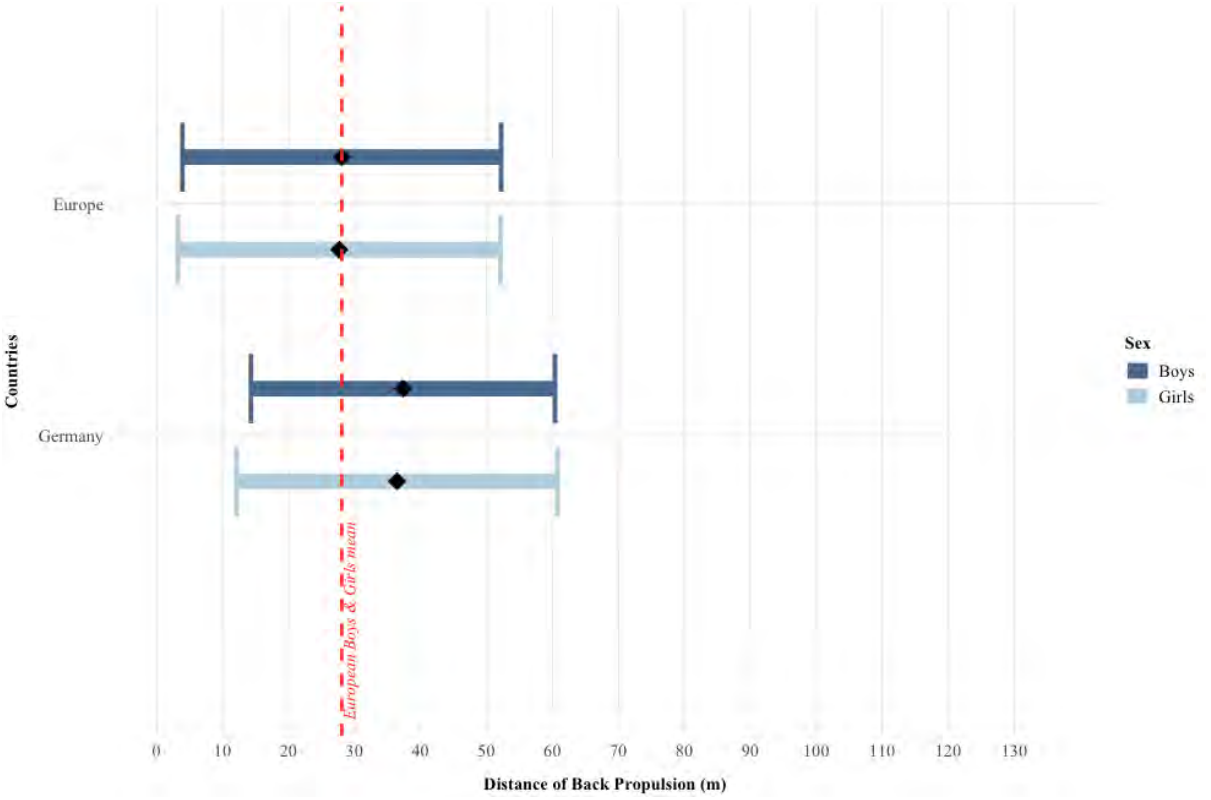


Figure 373. Distribution of the Propulsion on the Back according to the Sex in Europe and in Germany (Mean±SD).

Table 640. Comparative Analysis of the Propulsion on the Back in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	230	1,003	1.63^{e-08} ***	0.16 [a]	0.11 [1]
	Girls	233	978	5.73^{e-07} ***	0.14 [a]	0.98 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 641. Comparative Analysis of the Propulsion on the Back in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	230	233	0.48	0.03 [a]	0.11 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

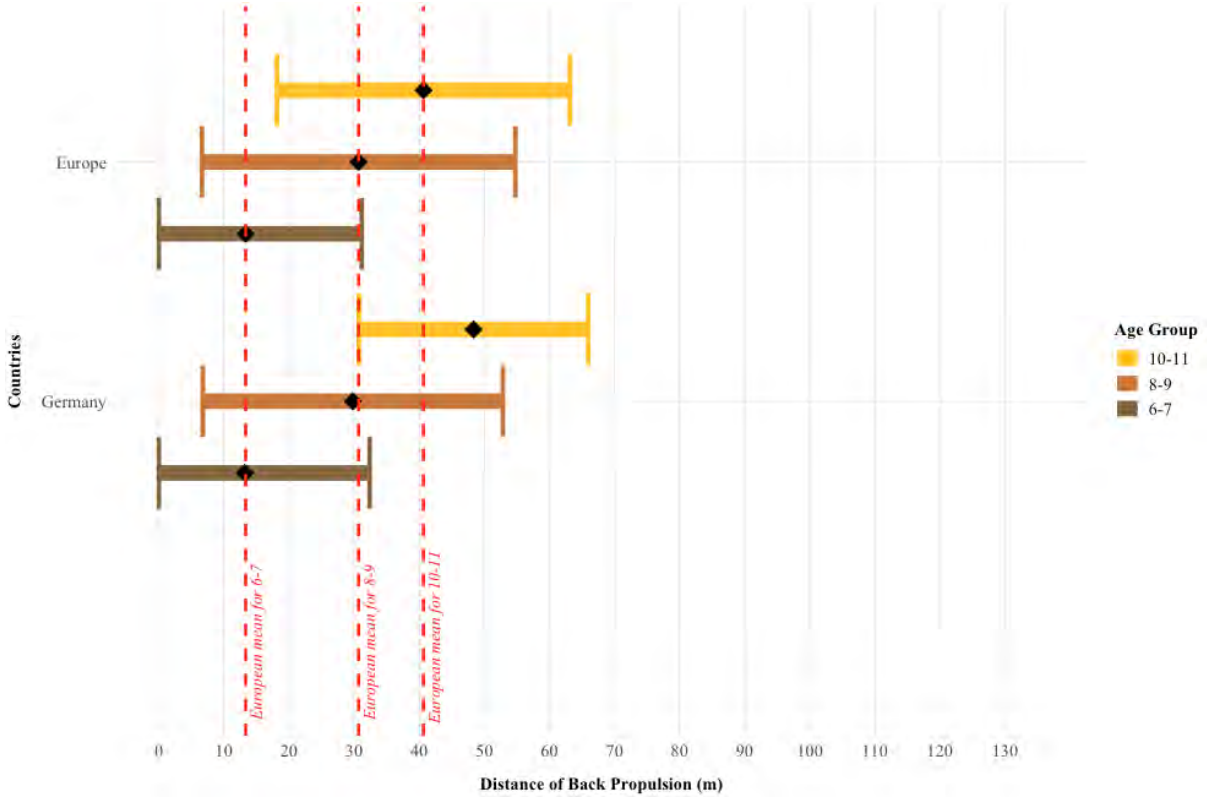


Figure 374. Distribution of the Propulsion on the Back according to the Age Group in Europe and in Germany (Mean±SD).

Table 642. Comparative Analysis of the Propulsion on the Back in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	72	606	0.88	0.005 [a]	0.05 [1]
	8-9 yo	149	875	0.68	0.01 [a]	0.06 [1]
	10-11 yo	242	500	1.29^{e-06} ***	0.17 [a]	0.99 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 643. Comparative Analysis of the Propulsion on the Back in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	72	149		6.11^{e-08} ***	0.36 [b]	1 [4]
	8-9 yo *vs* 10-11 yo		149	242	1.3^{e-17} ***	0.43 [b]	1 [4]
	6-7 yo *vs* 10-11 yo	72		242	1.68^{e-24} ***	0.58 [c]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

d. Submersion

Overview

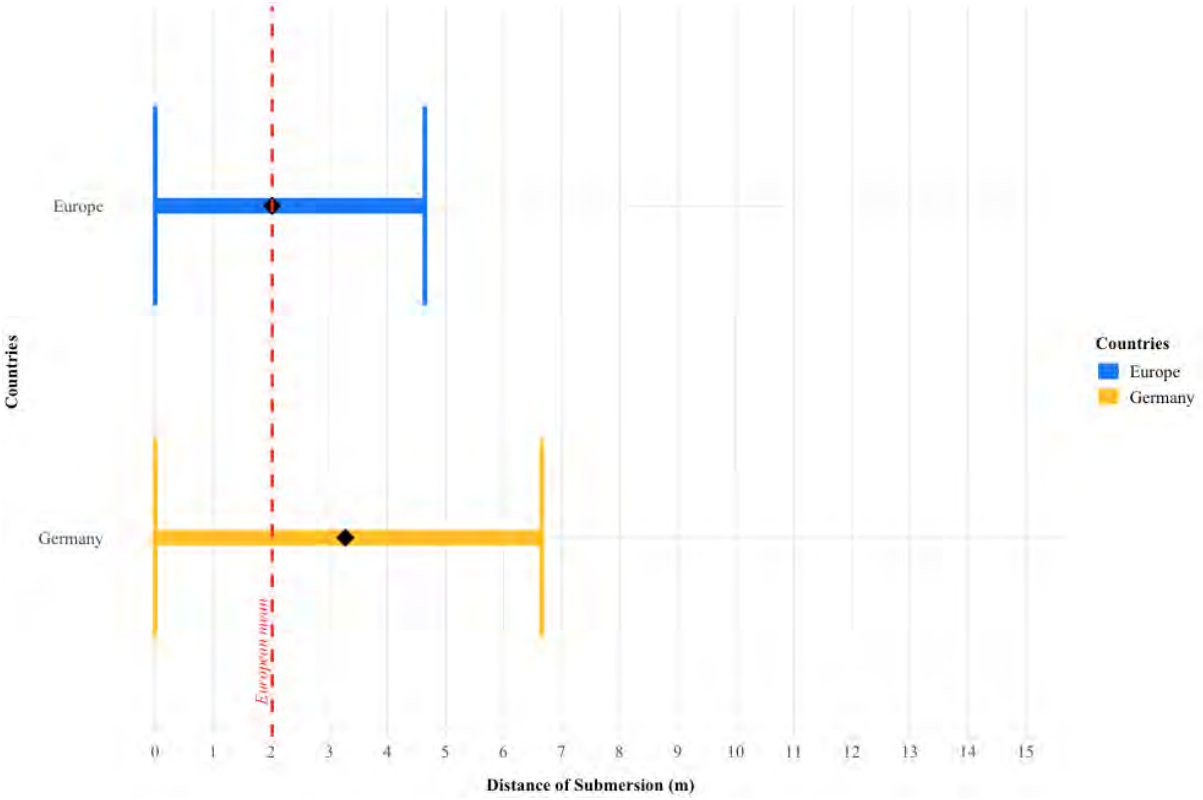


Figure 375. Distribution of the Submersion in Europe and in Germany (Mean±SD).

Table 644. Comparative Analysis of the Submersion in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	472	2,016	8.01^{e-16} ***	0.32 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

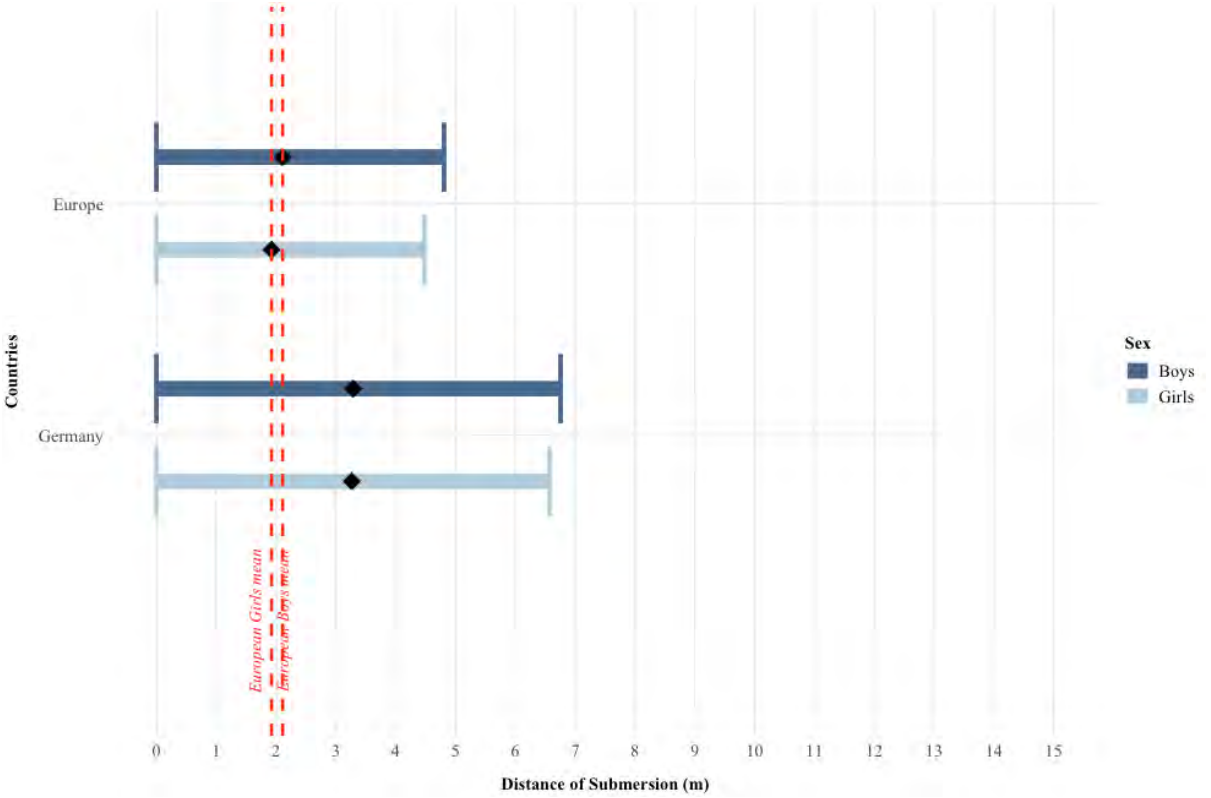


Figure 376. Distribution of the Submersion according to the Sex in Europe and in Germany (Mean±SD).

Table 645. Comparative Analysis of the Submersion in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	237	1,019	2.01^{e-07} ***	0.14 [a]	0.98 [4]
	Girls	235	997	5.45^{e-10} ***	0.17 [a]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 646. Comparative Analysis of the Submersion in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	237	235	0.93	0.004 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

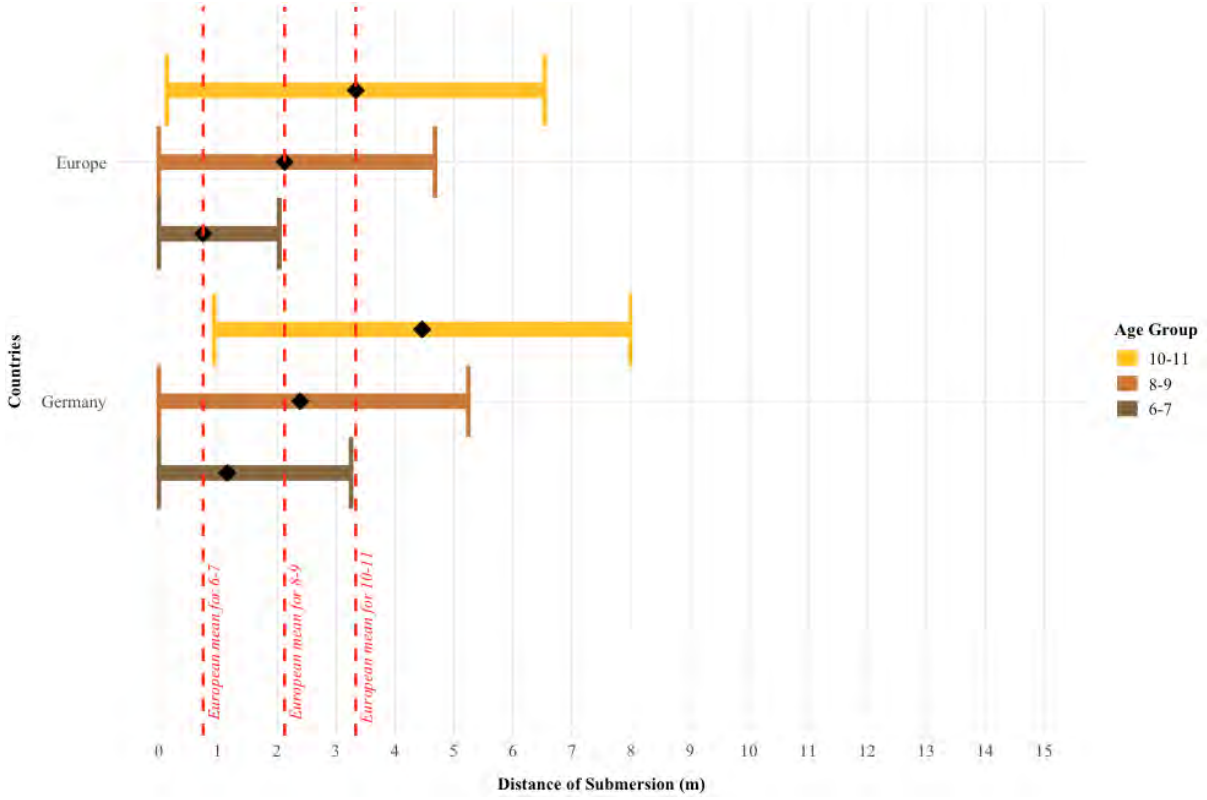


Figure 377. Distribution of the Submersion according to the Age Group in Europe and in Germany (Mean±SD).

Table 647. Comparative Analysis of the Submersion in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	75	619	0.01 *	0.08 [a]	0.27 [1]
	8-9 yo	151	879	0.51	0.02 [a]	0.07 [1]
	10-11 yo	246	518	4.96^{e-06} ***	0.16 [a]	0.99 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 648. Comparative Analysis of the Submersion in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	75	151		5.22^{e-04} ***	0.22 [a]	0.9 [4]
	8-9 yo *vs* 10-11 yo		151	246	1.65^{e-10} ***	0.32 [a]	1 [4]
	6-7 yo *vs* 10-11 yo	75		246	8.08^{e-17} ***	0.46 [a]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

e. Breathing

Overview

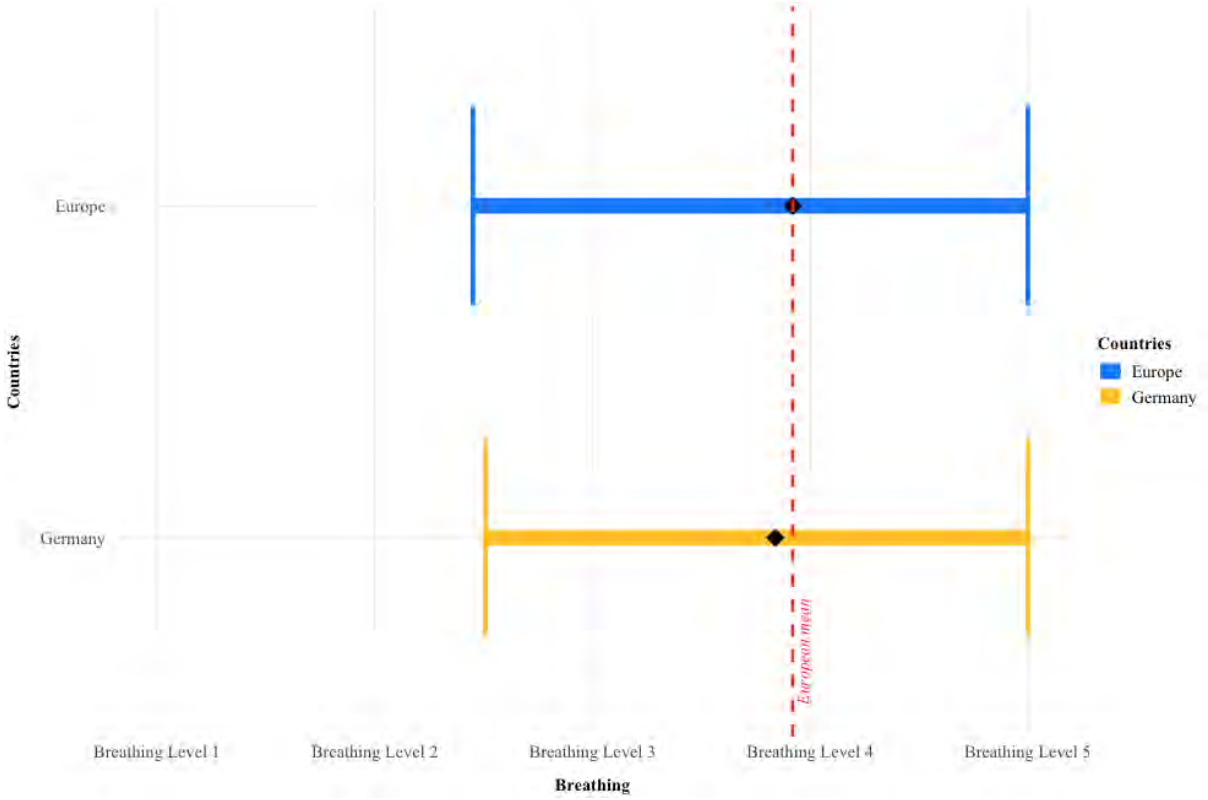


Figure 378. Distribution of the Breathing in Europe and in Germany (Mean±SD).

Table 649. Comparative Analysis of the Breathing in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* **Europe**	442	1,876	0.01 **	0.09 [a]	0.41 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

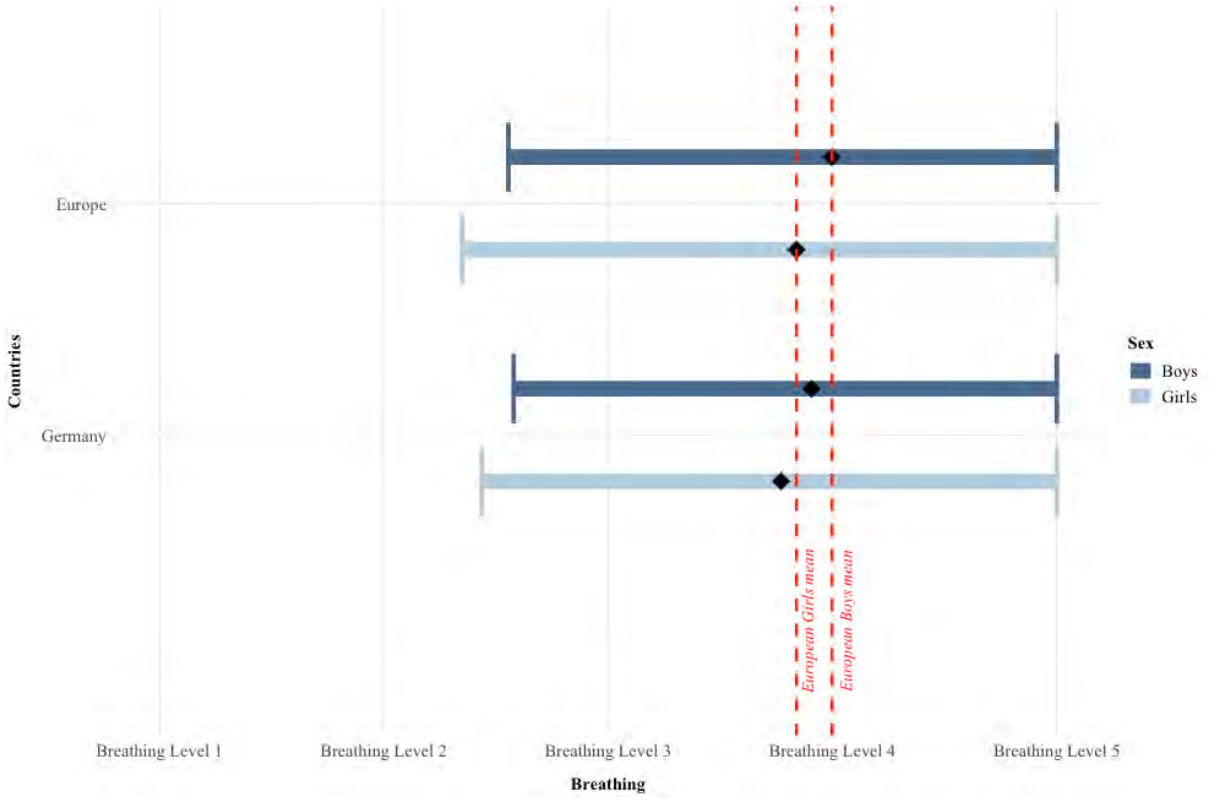


Figure 379. Distribution of the Breathing according to the Sex in Europe and in Germany (Mean±SD).

Table 650. Comparative Analysis of the Breathing in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	224	942	0.06	0.05 [a]	0.26 [1]
	Girls	218	934	0.12	0.04 [a]	0.2 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 651. Comparative Analysis of the Breathing in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	224	218	0.23	0.05 [a]	0.2 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

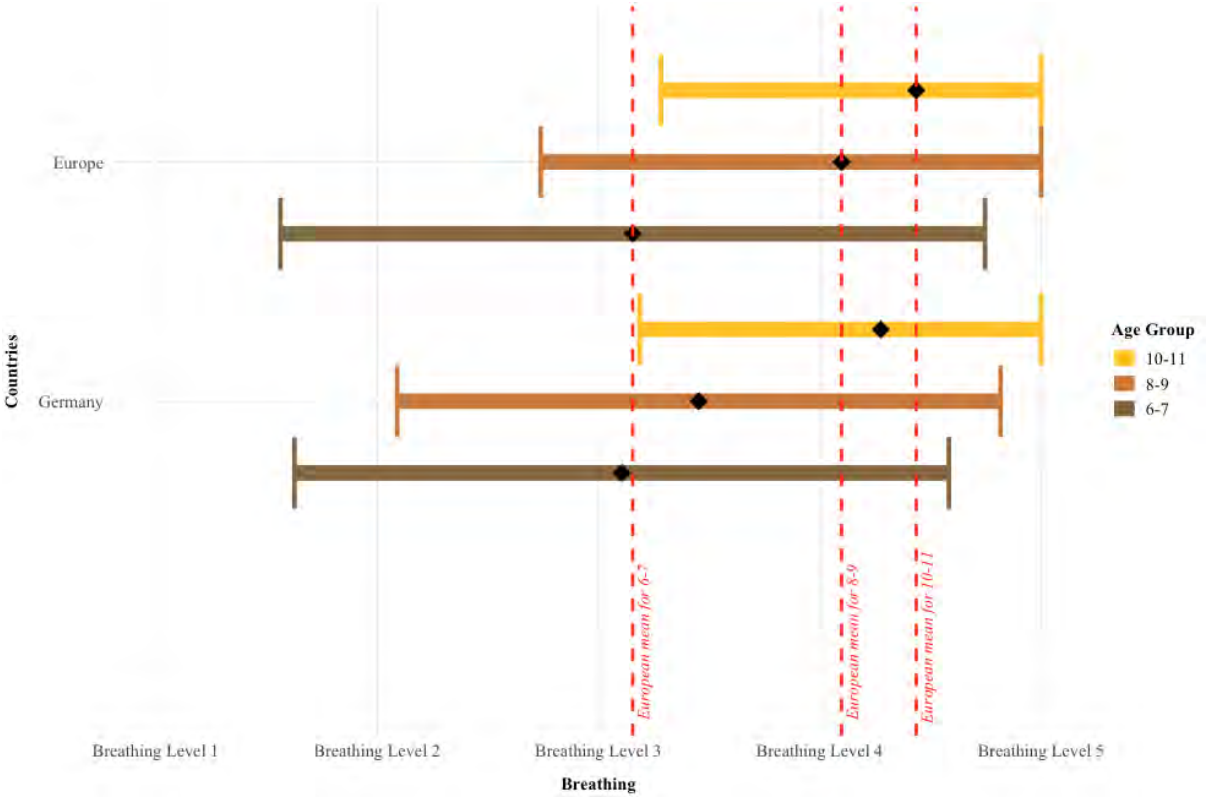


Figure 380. Distribution of the Breathing according to the Age Group in Europe and in Germany (Mean±SD).

Table 652. Comparative Analysis of the Breathing in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	67	537	0.85	0.008 [a]	0.05 [1]
	8-9 yo	139	834	8.23^{e-10} ***	0.17 [a]	0.97 [4]
	10-11 yo	236	505	1.56^{e-04} ***	0.1 [a]	0.73 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 653. Comparative Analysis of the Breathing in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	67	139		0.12	0.11 [a]	0.31 [1]
	8-9 yo *vs* 10-11 yo		139	236	9.76^{e-10} ***	0.29 [b]	1 [4]
	6-7 yo *vs* 10-11 yo	67		236	1.15^{e-09} ***	0.32 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

f. Treading water

Overview

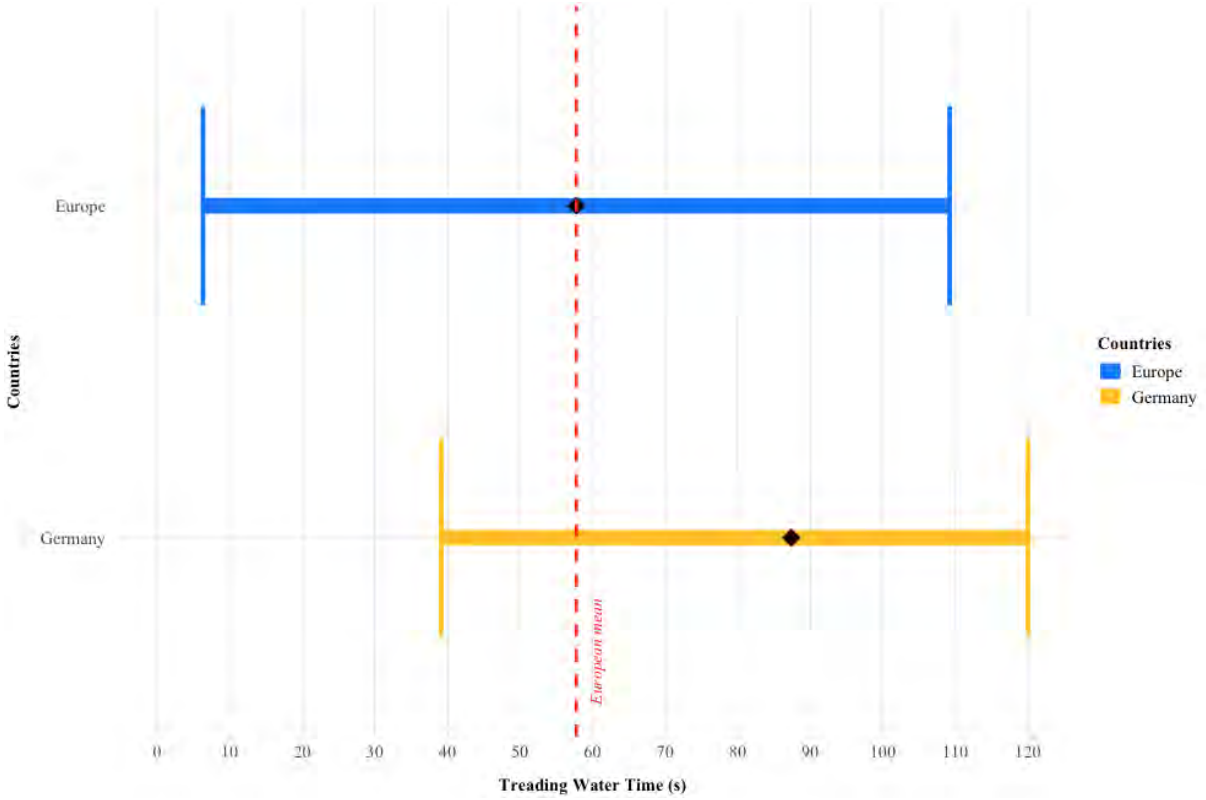


Figure 381. Distribution of the Treading Water in Europe and in Germany (Mean±SD).

Table 654. Comparative Analysis of the Treading Water in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	485	2,019	2.96^{e-27} ***	0.42 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

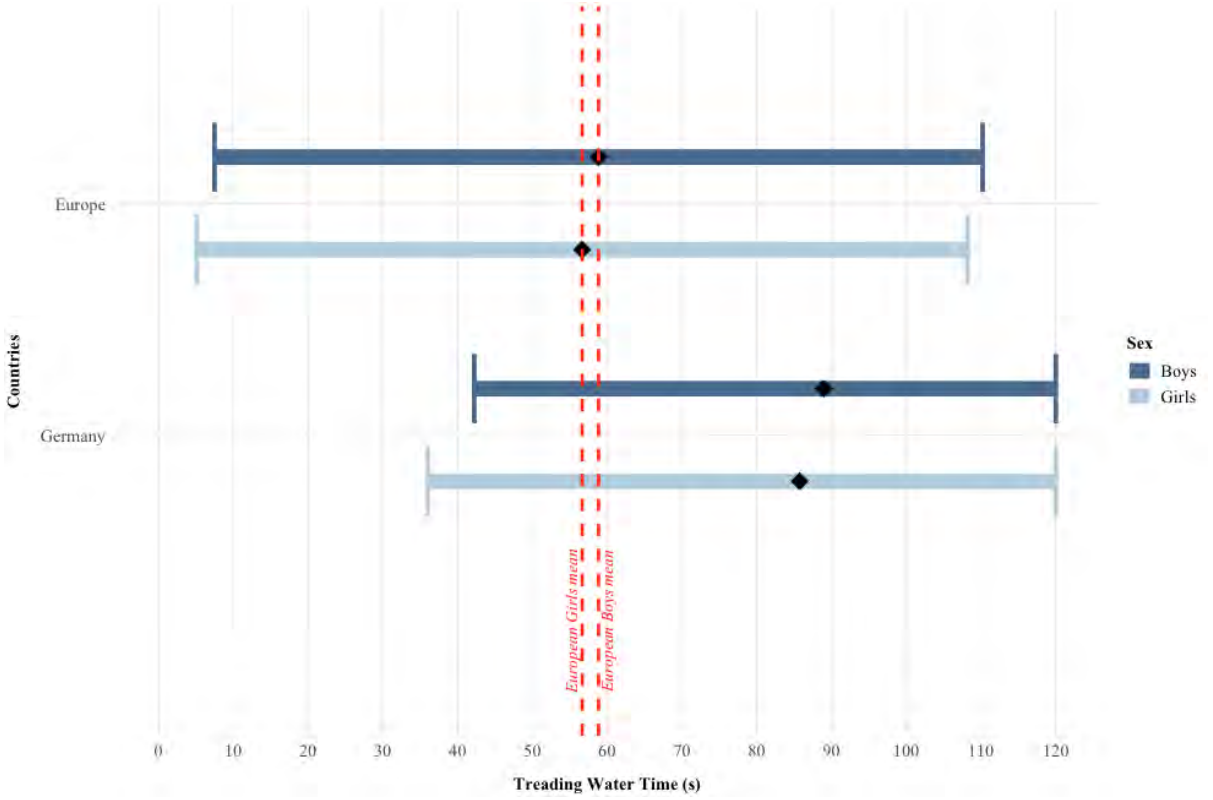


Figure 382. Distribution of the Treading Water according to the Sex in Europe and in Germany (Mean±SD).

Table 655. Comparative Analysis of the Treading Water in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	244	1,021	2.12^{e-15} ***	0.21 [b]	1 [4]
	Girls	241	998	1.9^{e-13} ***	0.1 [a]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 656. Comparative Analysis of the Treading Water in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	244	241	0.52	0.02 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

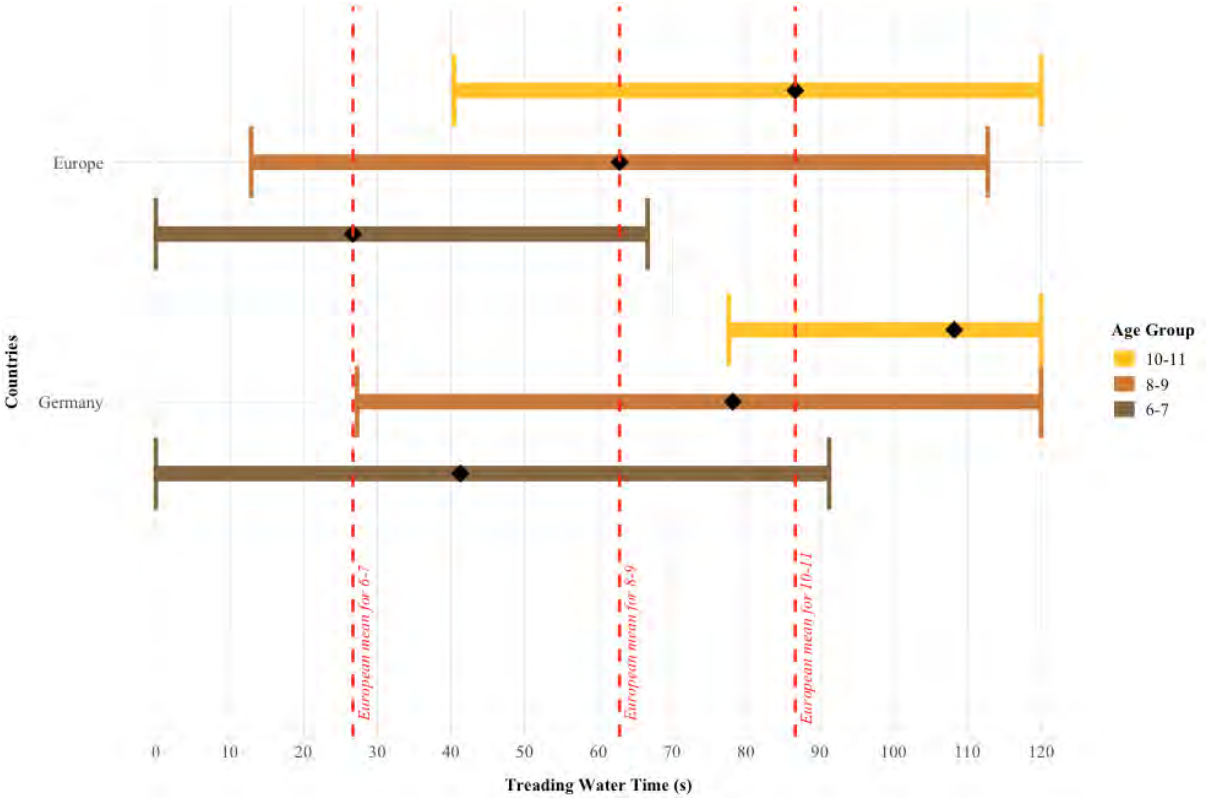


Figure 383. Distribution of the Treading Water according to the Age Group in Europe and in Germany (Mean±SD).

Table 657. Comparative Analysis of the Treading Water in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	81	624	0.009 **	0.09 [a]	0.37 [1]
	8-9 yo	156	879	0.002 **	0.09 [a]	0.57 [2]
	10-11 yo	248	516	7.05^{e-11} ***	0.19 [a]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 658. Comparative Analysis of the Treading Water in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	81	156		7^{e-07} ***	0.3 [a]	1 [4]
	8-9 yo *vs* 10-11 yo		156	248	5.4^{e-12} ***	0.26 [b]	1 [4]
	6-7 yo *vs* 10-11 yo	81		248	8.64^{e-29} ***	0.5 [c]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

g. Floating

Overview

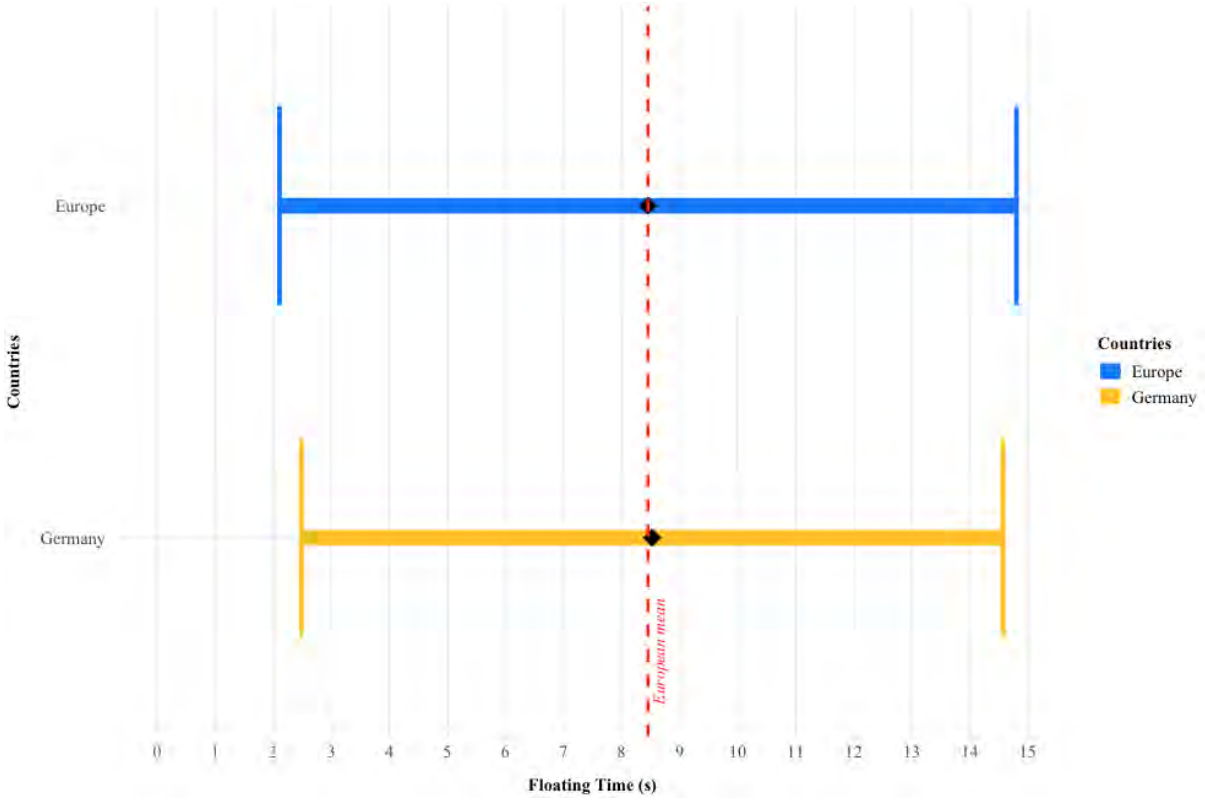


Figure 384. Distribution of the Floating in Europe and in Germany (Mean±SD).

Table 659. Comparative Analysis of the Floating in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	476	2,006	0.38	0.03 [a]	0.1 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

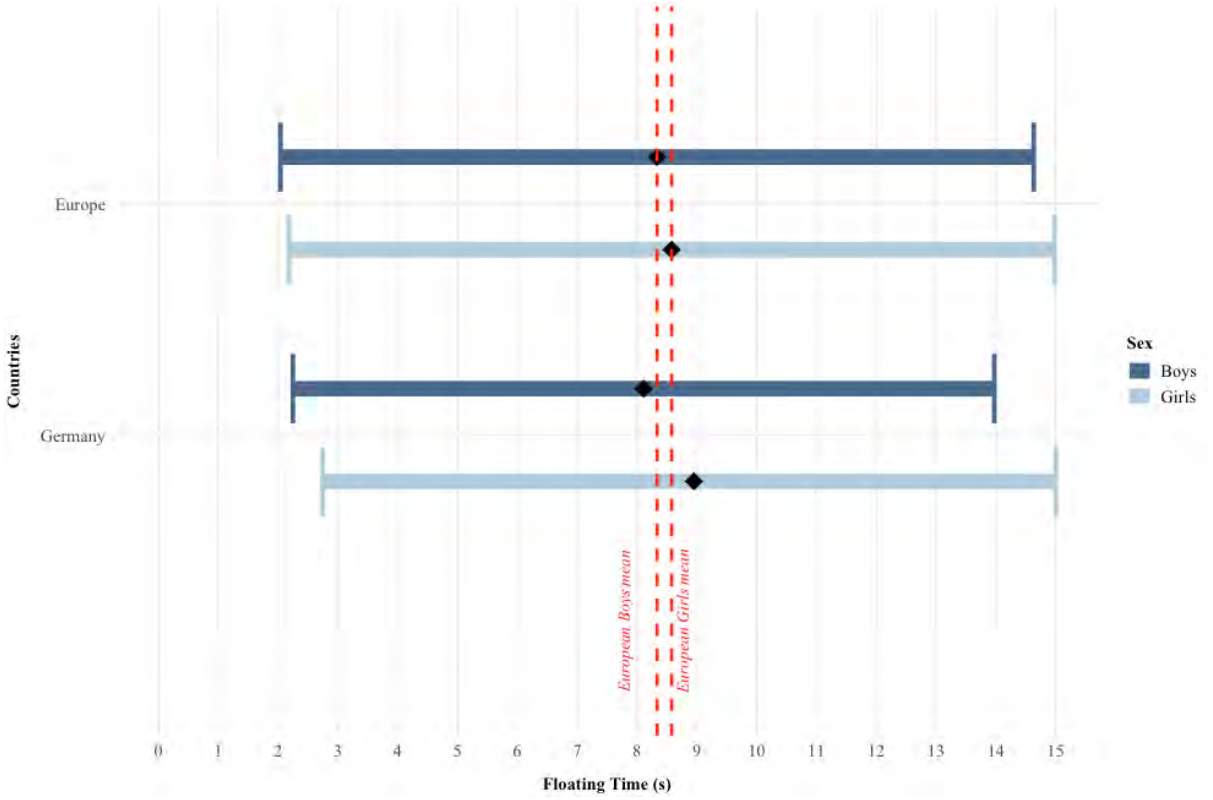


Figure 385. Distribution of the Floating according to the Sex in Europe and in Germany (Mean±SD).

Table 660. Comparative Analysis of the Floating in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	239	1,012	0.87	0.004 [a]	0.05 [1]
	Girls	237	994	0.15	0.04 [a]	0.19 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 661. Comparative Analysis of the Floating in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	239	237	0.1	0.07 [a]	0.35 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

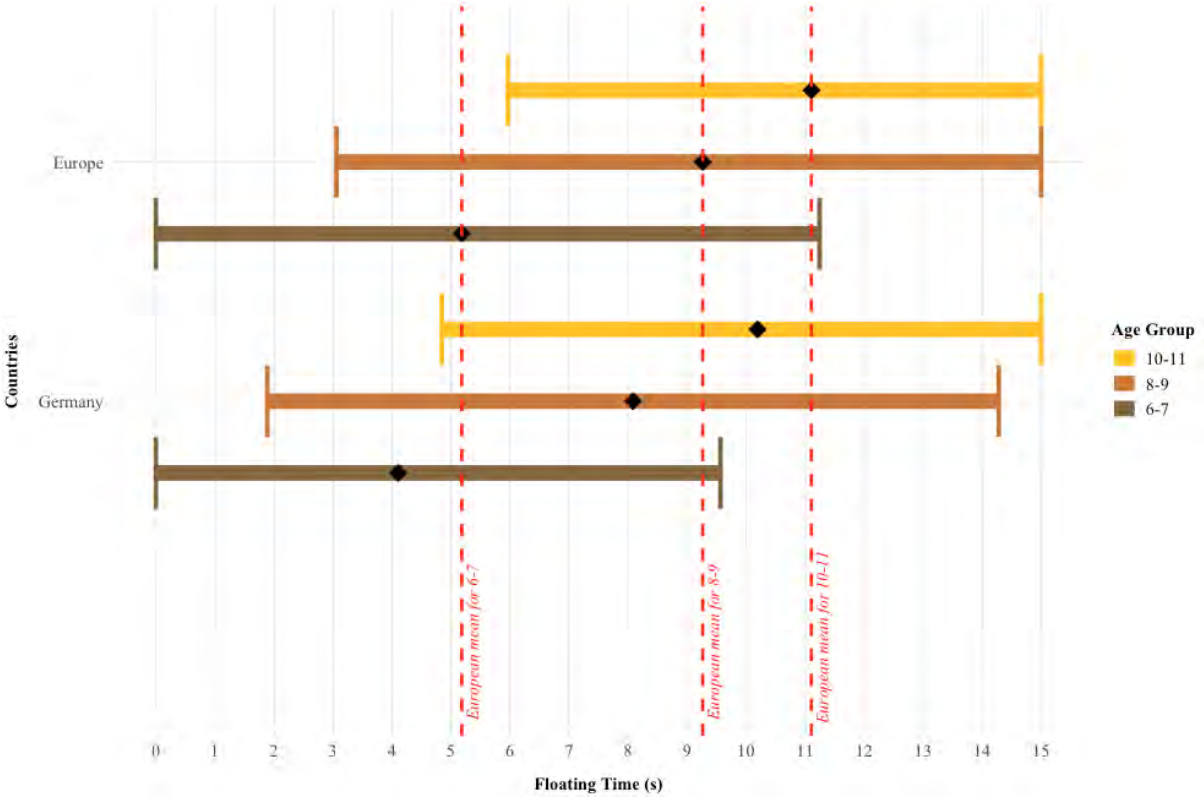


Figure 386. Distribution of the Floating according to the Age Group in Europe and in Germany (Mean±SD).

Table 662. Comparative Analysis of the Floating in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	77	624	0.31	0.03 [a]	0.09 [1]
	8-9 yo	154	881	0.07	0.05 [a]	0.24 [1]
	10-11 yo	245	501	0.07	0.06 [a]	0.35 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 663. Comparative Analysis of the Floating in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	77	154		1.48^{e-06} ***	0.31 [b]	1 [4]
	8-9 yo *vs* 10-11 yo		154	245	6.06^{e-04} ***	0.16 [a]	0.9 [4]
	6-7 yo *vs* 10-11 yo	77		245	3.44^{e-15} ***	0.42 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

h. Rotations

Overview

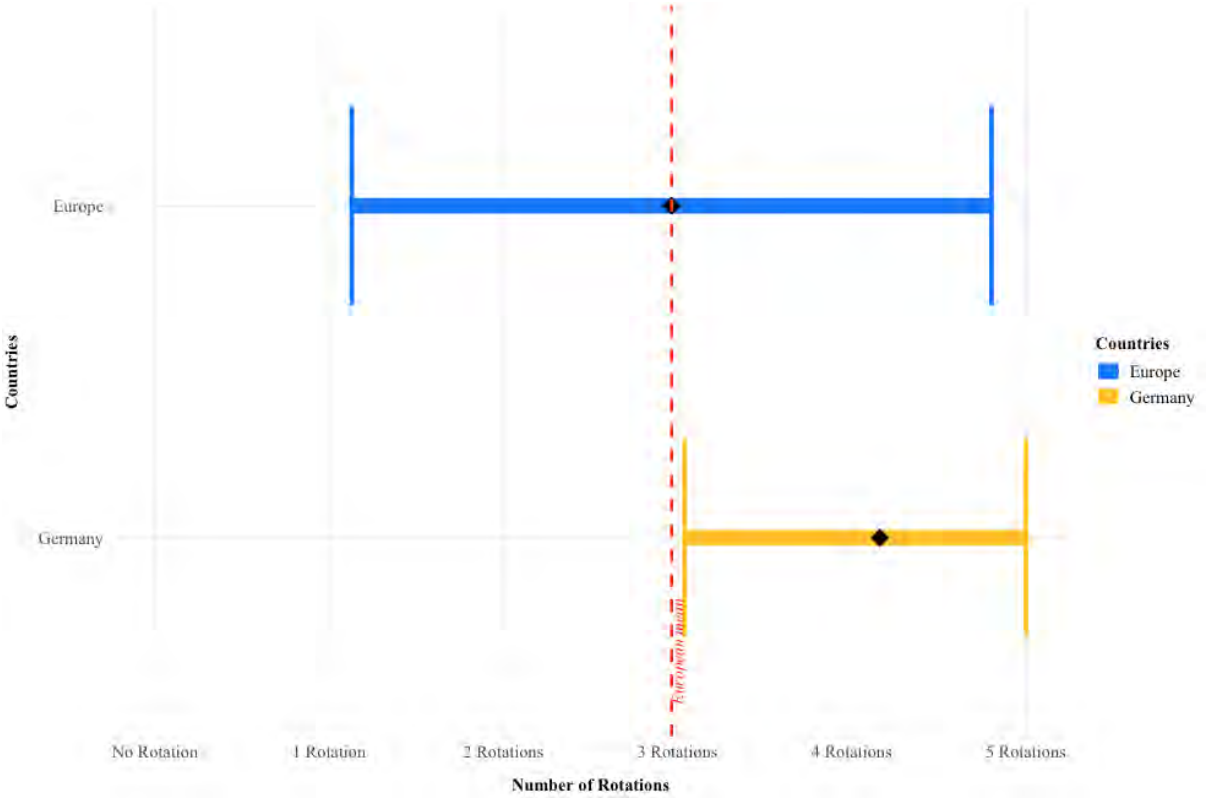


Figure 387. Distribution of the Rotations in Europe and in Germany (Mean±SD).

Table 664. Comparative Analysis of the Rotations in Germany *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Germany)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Germany *vs* Europe	304	1,676	1.98^{e-25} ***	0.47 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

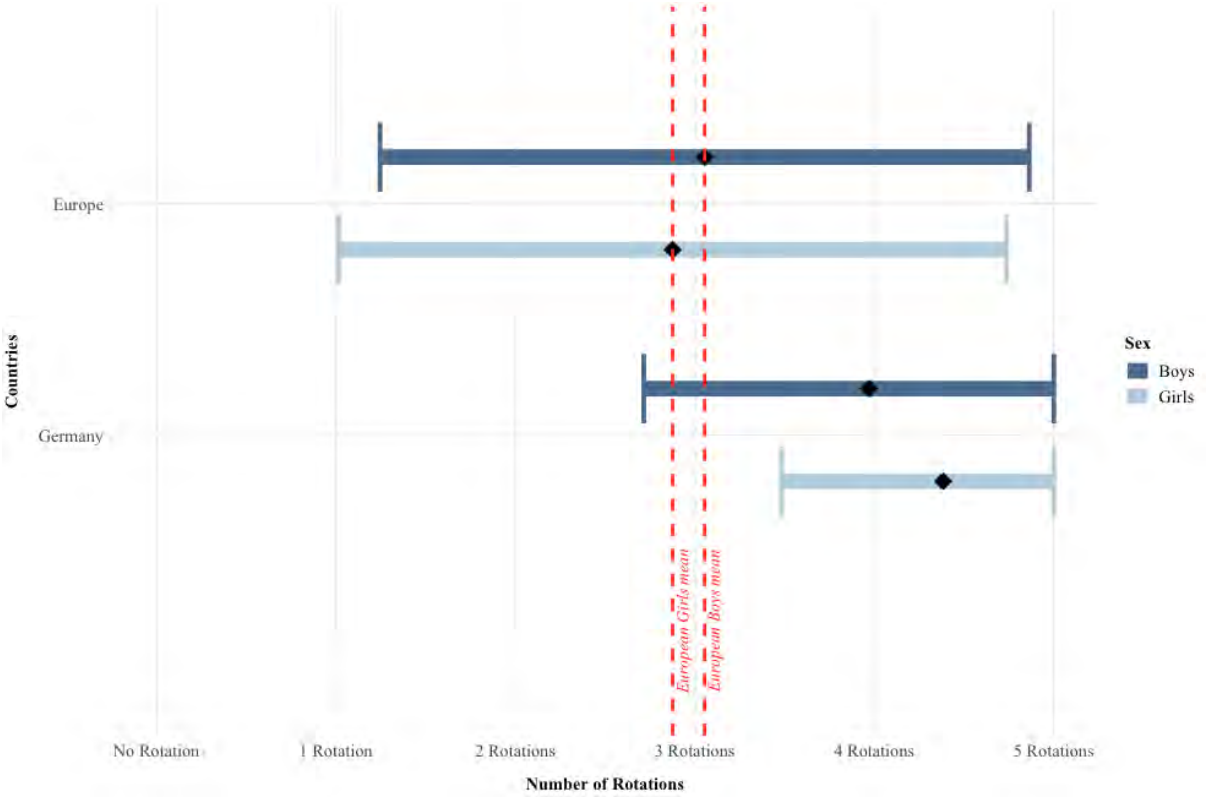


Figure 388. Distribution of the Rotations according to the Sex in Europe and in Germany (Mean±SD).

Table 665. Comparative Analysis of the Rotations in Germany *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	Boys	163	847	1.03^{e-08} ***	0.17 [a]	0.99 [4]
	Girls	141	829	1.82^{e-19} ***	0.28 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 666. Comparative Analysis of the Rotations in Germany according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	Boys *vs* Girls	163	141	0.004 **	0.15 [a]	0.76 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

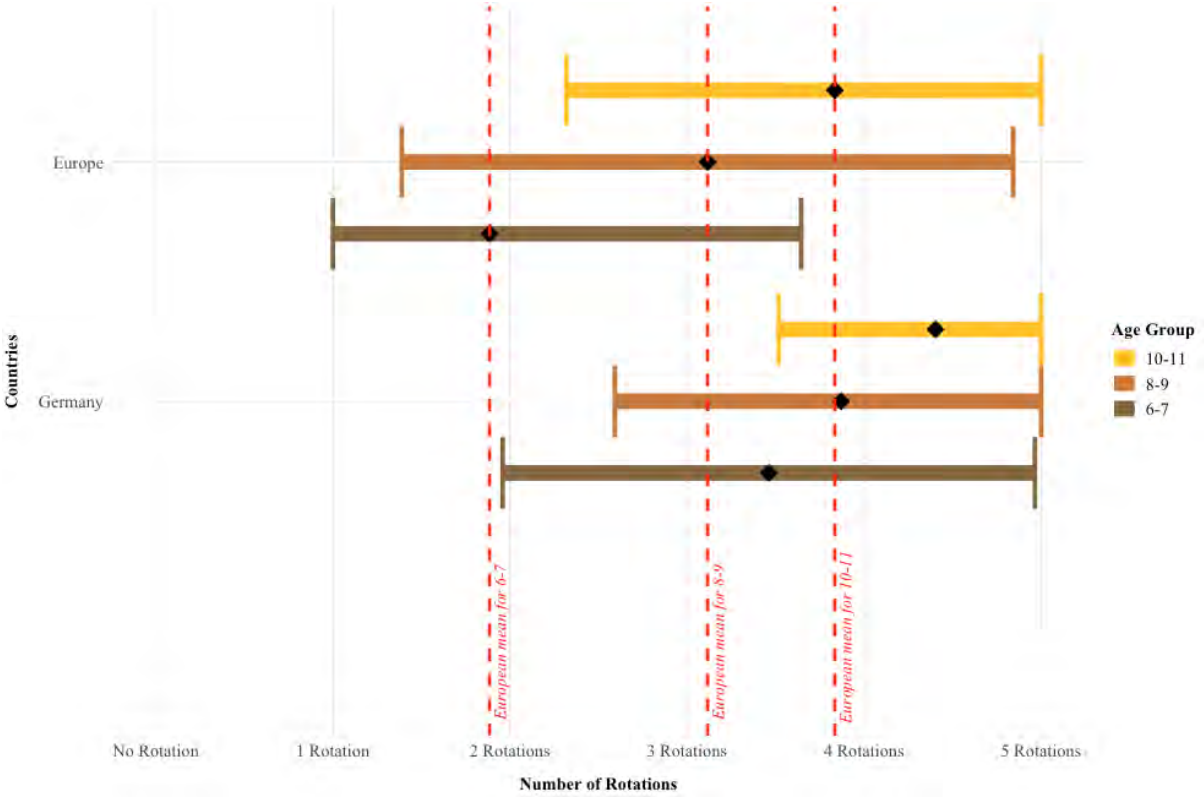


Figure 389. Distribution of the Rotations according to the Age Group in Europe and in Germany (Mean±SD).

Table 667. Comparative Analysis of the Rotations in Germany *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Germany)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Germany *vs* Europe	6-7 yo	26	475	1.58^{e-05} ***	0.19 [a]	0.48 [1]
	8-9 yo	92	736	1.55^{e-04} ***	0.13 [a]	0.65 [2]
	10-11 yo	186	465	2.75^{e-04} ***	0.13 [a]	0.86 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 668. Comparative Analysis of the Rotations in Germany according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Germany	6-7 yo *vs* 8-9 yo	26	92		0.24	0.1 [a]	0.15 [1]
	8-9 yo *vs* 10-11 yo		92	186	4.14^{e-04} ***	0.19 [a]	0.86 [3]
	6-7 yo *vs* 10-11 yo	26		186	9.77^{e-04} ***	0.2 [b]	0.5 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

E. National Strengths and Weaknesses

a. General overview

Tests	Strengths	Weaknesses
Parental questionnaire	☑ Number of lessons taken out-of-school ☑ Does the parents "Can Swim"?	*NA*
Child questionnaire	☑ Intrinsic Motivation ☑ Identified motivation ☑ Perceived rotations ☑ Perceived propulsion on the belly ☑ Perceived submersion ☑ Enjoyment during swimming lessons at school ☑ Enjoyment during swimming lessons at school with friends ☑ Enjoyment during swimming lessons out-of-school ☑ Enjoyment during swimming lessons out-of-school with friends ☑ Opportunities to do (more) diving ☑ Opportunities to do (more) activity 2 ☑ Opportunities to do (more) activity 3 ☑ Low risk in the swimming pool ☑ High risk in the swimming pool	✗ Perceived breathing ✗ Perceived floating ✗ Enjoyment while playing freely in the swimming pool ✗ Opportunities to do (more) swimming races ✗ Low risk in open water ✗ High risk in open water
Isolated tasks	☑ Entry ☑ Propulsion on the belly ☑ Propulsion on the back ☑ Submersion ☑ Treading Water ☑ Rotations	✗ Breathing

b. Analyse by sex in Germany *vs* Europe

Tests	Strengths	Weaknesses
Parental questionnaire	✅ Number of lessons taken at school (in Boys) ✅ Number of lessons taken out-of-school (in Boys & Girls)	*NA*
Child questionnaire	✅ Intrinsic Motivation (in Boys & Girls) ✅ Identified motivation (in Girls) ✅ Perceived rotations (in Boys & Girls) ✅ Perceived propulsion on the belly (in Boys & Girls) ✅ Perceived submersion (in Girls) ✅ Enjoyment during swimming lessons at school (in Boys & Girls) ✅ Enjoyment during swimming lessons at school with friends (in Boys & Girls) ✅ Enjoyment during swimming lessons out-of-school with friends (in Boys & Girls) ✅ Opportunities to do (more) diving (in Boys & Girls) ✅ Opportunities to do (more) activity 2 (in Girls) ✅ Opportunities to do (more) activity 3 (in Girls) ✅ Low risk in the swimming pool (in Boys & Girls) ✅ High risk in the swimming pool (in Girls)	❌ Perceived breathing (in Boys) ❌ Perceived floating (in Boys) ❌ Enjoyment while playing freely in the swimming pool (in Girls) ❌ Opportunities to do (more) swimming races (in Boys & Girls) ❌ Low risk in open water (in Boys & Girls) ❌ High risk in open water (in Boys)
Isolated tasks	✅ Entry (in Girls) ✅ Propulsion on the belly (in Boys & Girls) ✅ Propulsion on the back (in Boys & Girls) ✅ Submersion (in Boys & Girls) ✅ Treading Water (in Boys & Girls) ✅ Rotations (in Boys & Girls)	*NA*

c. Analyse by sex in Germany

Tests	Boys > Girls	Boys < Girls
Parental questionnaire	*NA*	*NA*
Child questionnaire	- Perceived entry in the water - Perceived propulsion on the belly - Opportunities to do (more) Water Polo - Opportunities to do (more) artistic swimming - Opportunities to do (more) diving - Opportunities to do (more) activity 4 - High risk in the swimming pool - High risk in open water	*NA*
Isolated tasks	- Exit - Rotations	*NA*

d. Analyse by age group in Germany *vs* Europe

Tests	Strengths	Weaknesses
Parental questionnaire	✅ Number of Lessons Out-of-School (in 10-11)	❌ Number of lessons in school (in 6-7 & 8-9)
Child questionnaire	✅ Intrinsic Motivation (in 8-9) - Identified Motivation (in 6-7 & 8-9) ✅ Confidence in Deep Water (in 10-11) ✅ Perceived rotations Water (in 10-11) ✅ Perceived propulsion on the belly (in 10-11) ✅ Enjoyment during swimming lessons at school (in 6-7 & 8-9) ✅ Enjoyment during swimming lessons at school with friends (in 6-7 & 8-9) ✅ Enjoyment during swimming lessons out-of-school (in 8-9) ✅ Enjoyment during swimming lessons out-of-school with friends (in 6-7 & 8-9) ✅ Opportunities to do (more) Water Polo (in 10-11) ✅ Opportunities to do (more) diving (in 8-9 & 10-11 yo) ✅ Opportunities to do (more) water sport 2 (in 10-11) ✅ Opportunities to do (more) water sport 3 (in 10-11) ✅ Opportunities to do (more) water sport 4 (in 6-7) ✅ Low risks in swimming pool (in 10-11)	❌ Confidence in Deep Water (in 6-7) ❌ Perceived rotations Water (in 6-7) ❌ Perceived breathing (in 6-7 & 8-9) ❌ Perceived trading water (in 8-9) ❌ Perceived floating (in 6-7 & 10-11) ❌ Opportunities to do (more) swimming races (in 6-7 & 10-11) ❌ Low risk in open water (in 6-7 & 8-9)
Isolated tasks	✅ Entry in the water (in 8-9) ✅ Exit from the water (in 6-7) ✅ Propulsion on the belly (in 6-7, 8-9 & 10-11) ✅ Propulsion on the back (in 10-11) ✅ Submersion (in 6-7 & 10-11) ✅ Treading water (in 6-7, 8-9 & 10-11) ✅ Rotation (in 6-7, 8-9 and 10-11)	❌ Breathing (in 8-9 & 10-11)

e. Analyse by age group in Germany

Tests	Positive evolution	Negative evolution	Neutral evolution	Chaotic evolution
Parental questionnaire	↗↗ Number of swimming lessons taken at school ➡ ↗ Number of swimming lessons out-of-school	*NA*	*NA*	*NA*
Child questionnaire	↗ Intrinsic motivation ↗↗ Confidence in deep water ↗↗ Perceived entry in the water ↗ ➡ Perceived exit from the water ↗↗ Perceived rotations ↗ ➡ Perceived breathing ➡ ↗ Perceived treading water ↗↗ Perceived propulsion on the back ↗↗ Perceived propulsion on the belly ↗ ➡ Perceived submersion ↗ ➡ Perceived floating ↗ Opportunities to do (more) Water Polo ↗ ➡ Opportunities to do (more) diving ↗ Opportunities to do (more) water sport 2 ↗ ➡ Opportunities to do (more) water sport 3 ↗ ➡ Opportunities to do (more) water sport 4 ➡ ↗ Low risks in swimming pool ↗↗ Low risk in open water ↗ ➡ High risk in open water	➡ ↘ Enjoyment during swimming lessons at school ➡ ↘ Enjoyment during swimming lessons at school with friends ➡ ↘ Enjoyment during swimming lessons out-of-school ➡ ↘ Enjoyment during swimming lessons out-of-school with friends ➡ ↘ Enjoyment playing in the Swimming Pool	➡ Perceived entry in the water ➡ Enjoyment while playing in the swimming pool with friends ➡ Opportunities to do (more) artistic swimming ➡ Opportunities to do (more) water sport 1 ➡ High risks in swimming pool	- Identified Motivation - Opportunities to do (more) swimming races
Isolated tasks	↗↗ Entry in the water ↗↗ Exit from the water ↗↗ Propulsion on the belly ↗↗ Propulsion on the back ↗↗ Submersion ➡ ↗ Breathing ↗↗ Treading water ↗↗ Floating ➡ ↗ Rotation	*NA*	*NA*	*NA*

F. Recommendations

a. Curriculum management

- **Strengthen explicit teaching of basic aquatic skills (breathing, floating), including the explicit instruction and reflection.**

  Although German children perform relatively well in the motoric domain overall, the findings reveal weaknesses in the conscious execution of breathing (which corresponds to their self-perception in this skill) and in the perceived ability to float (though not in the actual performance of floating). This may indicate that the terms breathing and floating are not explicitly used in teaching, even though children possess the skills. By integrating explicit instruction and guided reflection on these fundamental abilities into the curriculum, children can develop a clear cognitive representation of these skills and practice them consciously, rather than relying on implicit acquisition.

- **Include risk assessment training, especially in open water.** *Compared to the European average, German children tend to underestimate or misjudge risks in open-water environments, whereas their risk perception in pools is comparatively strong. This discrepancy highlights a gap in safety-related competencies outside the controlled pool setting. By developing curriculum modules on water safety and risk competence that explicitly address open-water scenarios (such as currents, cold water, or jumping from heights), children can acquire a more realistic understanding of risks. These modules should include gender-sensitive approaches, as findings indicate that boys, in particular, are more likely to underestimate risks.*

- **Strengthen the transfer of existing frameworks and guidelines into practice.** *In Germany, education is the responsibility of the federal states, which means that binding national standards in school-based swimming education are not feasible. Nevertheless, frameworks and guidelines have been jointly developed by federations and sport science experts and are already well aligned on a conceptual level. The challenge lies in the practical implementation, as differences remain in how these frameworks are translated into teaching practice. To address this, further research is needed on the transfer of guidelines into practice and on the reasons why traditional teaching concepts continue to prevail. Strengthening this link between theory and practice could ensure that the existing frameworks have a greater impact on actual swimming education.*

- **Leverage the cultural rootedness of swimming to strengthen its societal relevance.** *Swimming in Germany has deep cultural roots. This cultural tradition can serve as a foundation to emphasise swimming as a valued part of education, health promotion,*

and everyday life. By framing swimming as both a cultural heritage and a modern life skill, policymakers and educators can reinforce its importance and ensure continued prioritisation in school curricula and extracurricular programs. In addition, recent studies point to a decline in children's swimming ability. This trend needs to be counteracted by strengthening the role of swimming in education and by safeguarding broad and equitable access to swimming opportunities.

- **Sustain high motivation and enjoyment in swimming education.** *German children demonstrate a high level of motivation (both intrinsic and identified) and report enjoying swimming lessons inside and outside of school. Protecting and enhancing this strength should be a priority. By embedding motivational teaching strategies and maintaining broad access to swimming opportunities in both curricular and extracurricular contexts, this positive learning environment can be sustained and further expanded.*

b. Timetable

- **Ensure equitable access to early learn-to-swim opportunities** *In Germany, children often start swimming programs around the age of 4 to 5, but outside-of-school lessons can be expensive and limited in availability, especially in large cities. This results in long waiting times and restricts participation mainly to families with greater financial means. To ensure equal opportunities, access to early learn-to-swim programs needs to be expanded and subsidised, particularly in urban areas.*

c. Localisation and equipment

- **Expand the use of diverse aquatic environments for swimming instruction.** *Swimming lessons in Germany predominantly take place in swimming pools, with non-swimmers usually limited to shallow water. Lessons are almost exclusively held in flat water conditions, while instruction in open water or rough water environments is rare. To strengthen children's water competence and risk awareness, swimming education should gradually expand to include diverse aquatic settings, including deeper water and controlled open-water experiences, once basic safety skills are acquired.*

- **Pool Management as a key factor for equal access** *Urban areas in Germany face a shortage of available pool space, which makes efficient use of aquatic facilities essential. Examples from municipalities show that occupancy plans must be carefully reviewed and updated, with priority given to learn-to-swim activities during after-school hours. Other programs, such as water gymnastics for*

adults or recreational courses, should be scheduled at midday or in the evening to ensure that children's needs are prioritised. Clear rules for the allocation of water time and regular updates of occupancy plans are necessary, as many existing plans no longer reflect current demands (e.g., due to school expansions or shrinking enrollments). In rural areas, inequalities arise because the distance to the nearest swimming pool is often so great that regular lessons cannot be guaranteed. Addressing these regional disparities requires coordinated strategies to secure fair access to swimming instruction across urban and rural contexts.

- **Integrate practice with clothes into regular swimming instruction.** *Although practicing with clothes is possible, it is not consistently integrated into instruction. Yet, swimming with clothes on is a critical survival skill, as many drowning accidents occur when individuals are unexpectedly in the water fully dressed. Incorporating structured lessons where children experience swimming with clothes can significantly enhance water safety competence and better prepare them for real-life situations.*

d. Staff

- **Establish a standardised qualification framework for swimming teachers to strengthen the transfer of guidelines into practice.** *In Germany, swimming teachers are mostly trained, but training requirements vary considerably between institutions and associations, and there is no overarching standard. A life-saving certificate is obligatory, yet pedagogical and didactical preparation for teaching learn-to-swim programs is not consistently required. This fragmented qualification landscape contributes to the challenge identified in the curriculum section. Although frameworks and guidelines for swimming education exist and are conceptually well aligned, their transfer into practice remains inconsistent. Without a common qualification standard, instructional quality depends strongly on the provider, and existing frameworks risk remaining on paper rather than shaping everyday teaching. Developing a standardised qualification framework—building on existing training opportunities but harmonised across institutions—would ensure that swimming teachers across Germany are equally prepared to implement modern, evidence-based approaches to aquatic education.*

e. Assessment

- **Ensure consistent implementation and central documentation of swimming assessments.**
  In Germany, the Bronze Swimming Badge ("safe swimmer") is the most recognised standard for assessing swimming ability. Although widely known and socially accepted,

the badge system is not compulsory, and implementation varies across regions and institutions. A representative study shows that tests are not conducted comparably, as there are no binding national criteria. To ensure fairness and reliability, swimming assessments should be standardised in terms of content, procedures, and evaluation. In addition, a central documentation system should be established to record which children have achieved the required level of swimming competence. This would improve transparency, avoid redundancies, and help schools and institutions to monitor children's swimming ability reliably.

- **Strengthen the link between assessment and educational goals.** *The Bronze Badge certifies that the holder is a "safe swimmer" and is required for participation in many water activities, such as school trips or sailing courses. However, the current test mainly measures distance swimming, simple dives, and changes in body position in a pool setting. It does not systematically assess broader water competencies, such as floating, breathing control, or risk awareness. Aligning assessment tasks more closely with the curricular objectives of aquatic literacy would make them more meaningful and reflective of real-life water competence.*

- **Introduce adaptive scenarios and diverse environments in assessments.** *Currently, the test is performed exclusively in swimming pools, without adaptive scenarios or the use of buoyancy aids. While this provides comparability, it limits the ecological validity of the assessment. Gradually introducing adaptive elements—such as clothed swimming, controlled open-water scenarios, or problem-solving tasks—would better reflect real-life situations in which swimming competence is needed. This would also strengthen the preventive value of the assessment in relation to drowning risk.*

f. Contents

- **Broaden the content of learn-to-swim programs to include survival and self-assessment skills.**
  A motor skills perspective and an emphasis on competitive swimming or lifesaving strongly shape current swimming education in Germany. Professional associations focus on competition or safety training, while private swimming schools are often oriented towards badges and parental expectations. As a result, several essential skills that are critical for real-life water competence are not systematically addressed in learn-to-swim programs.

  These include:
- *Treading water (including eggbeater kicks)*

- *Exiting the water under different conditions (with clothes, at a high edge, or from varied surfaces)*
- *Moving efficiently from a vertical to a horizontal position*
- *Learning to evaluate and reflect on one's own abilities (teaching self-assessment)*

By incorporating these elements into the curriculum, children's competence can be broadened from pure motor performance towards a holistic concept of aquatic literacy. This also requires more opportunities to practice in diverse aquatic environments, including open water, which are currently underused despite the wide availability of lakes and rivers in Germany.

CHAPTER 6. Aquatic Literacy level in Lithuania

A. Representative sample of the country

Lithuanian cities participating in the study

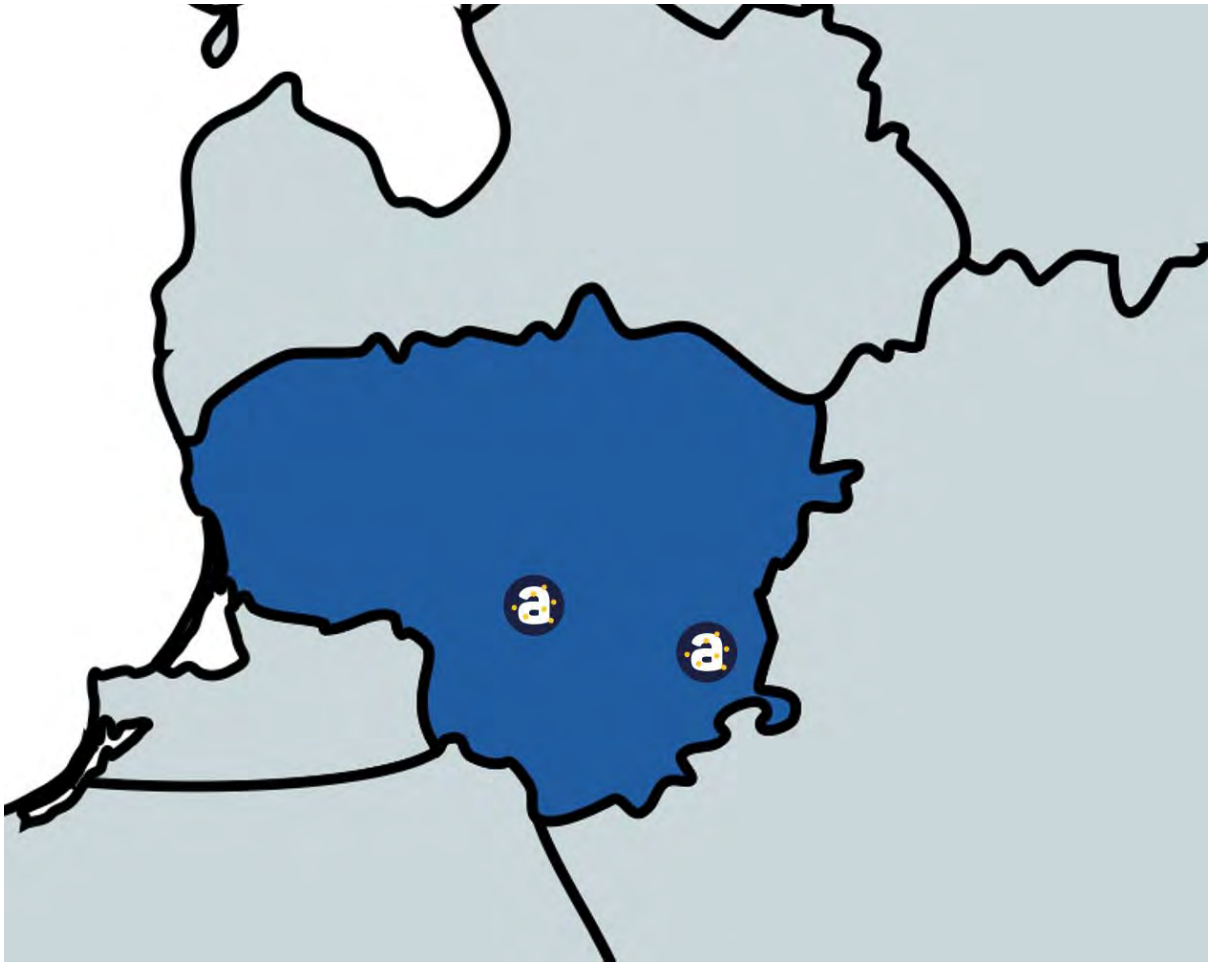


Figure 390. Lithuanian cities participating in the study.

Figure 390 presents the Lithuanian cities that took part in the study. Two cities participated: Vilnius and Kaunas.

Rounded numbers

Table 669. Number of participants for each part of the test in Lithuania and in Europe.

	Parental questionnaire *n=*	Child questionnaire *n=*	Isolated tasks test *n=*
Lithuania	427	427	233
Europe	2,710	2,589	2,298
Total	**3,137**	**3,016**	**2,531**

Notes. Europe represents the other countries participating in the study (i.e., Belgium, Lithuania, Germany, Norway, Poland and Portugal).

Table 669. Number of participants for each part of the test in Lithuania and in Europe. presents the number of respondents for each part of the test.

Samples

Table 670. Representativity of the sample according to the sex and the age group in each part of the test for the Lithuanian sample.

		Parental questionnaire *n= (%)*	Child questionnaire *n= (%)*	Isolated tasks test *n= (%)*
Sex	**Boys**	225	225	127
	Girls	202	202	106
Age group	**6-7 yo**	145	145	45
	8-9 yo	218	218	154
	10-12 yo	64	64	34

Notes. *yo=year-olds*

Table 671. Representativity of the sample according to the sex and the age group in each part of the test for the European sample.

		Parental questionnaire *n= (%)*	Child questionnaire *n= (%)*	Isolated tasks test *n= (%)*
Sex	**Boys**	1,356	1,293	1,153
	Girls	1,354	1,296	1,145
Age group	**6-7 yo**	835	769	676
	8-9 yo	1,024	984	889
	10-12 yo	851	836	723

Notes. *yo=year-olds*

Table 670 presents the representative Lithuanian sample according to the sex and the age group in each part of the test, and **Table 671** the European representative sample.

B. Parental questionnaire

Descriptive statistics

Table 672. Number of caregivers answering to the different question of the questionnaire.

Country	Sex	Age group	Parental education (n=)	Number of lessons at school (n=)	Number of lessons out of school (n=)	Do parents can swim? (n=)
Europe	Boys	6-7	366	339	354	385
		8-9	487	446	480	538
		10-11	400	345	376	420
	Girls	6-7	402	393	405	442
		8-9	436	408	424	477
		10-11	394	345	376	422
Lithuania	Boys	6-7	74	73	73	76
		8-9	111	106	107	118
		10-11	31	31	27	31
	Girls	6-7	68	64	66	69
		8-9	93	92	94	100
		10-11	32	29	30	33
Total			**2,894**	**2,671**	**2,812**	**3,111**

Notes. Europe: Belgium, France, Germany, Norway, Poland and Portugal.

Table 673. Descriptive analyse of the parental questionnaire.

Country	Sex	Age group	Parental education Mean (±SD)	Number of lessons at school Mean (±SD)	Number of lessons out-of-school Mean (±SD)	Do parents can swim? Mean (±SD)
Europe	Boys	6-7	4.46 (±1)	1.78 (±1.3)	2.52 (±1.65)	1.38 (±0.71)
		8-9	4.34 (±0.99)	2.55 (±1.61)	2.75 (±1.72)	1.39 (±0.71)
		10-11	4.45 (±0.95)	3.3 (±1.64)	3.09 (±1.7)	1.48 (±0.64)
	Girls	6-7	4.42 (±0.95)	1.89 (±1.31)	2.59 (±1.75)	1.39 (±0.7)
		8-9	4.32 (±1.04)	2.41 (±1.59)	2.79 (±1.76)	1.39 (±0.69)
		10-11	4.35 (±1.05)	3.53 (±1.59)	3.1 (±1.75)	1.54 (±0.63)
Lithuania	Boys	6-7	4.87 (±0.39)	1.29 (±0.76)	2.09 (±1.6)	1.53 (±0.53)
		8-9	4.86 (±0.49)	2.98 (±1.17)	2.2 (±1.63)	1.4 (±0.63)
		10-11	4.97 (±0.18)	3.78 (±1.34)	2.15 (±1.66)	1.42 (±0.63)
	Girls	6-7	4.89 (±0.33)	1.38 (±0.97)	1.85 (±1.49)	1.32 (±0.7)
		8-9	4.89 (±0.55)	2.87 (±1.09)	2.04 (±1.58)	1.47 (±0.63)
		10-11	4.79 (±0.76)	3.52 (±1.36)	2.34 (±1.75)	1.16 (±0.62)

Notes. Europe: Belgium, France, Germany, Norway, Poland and Portugal.

a. Parental Education

Overview

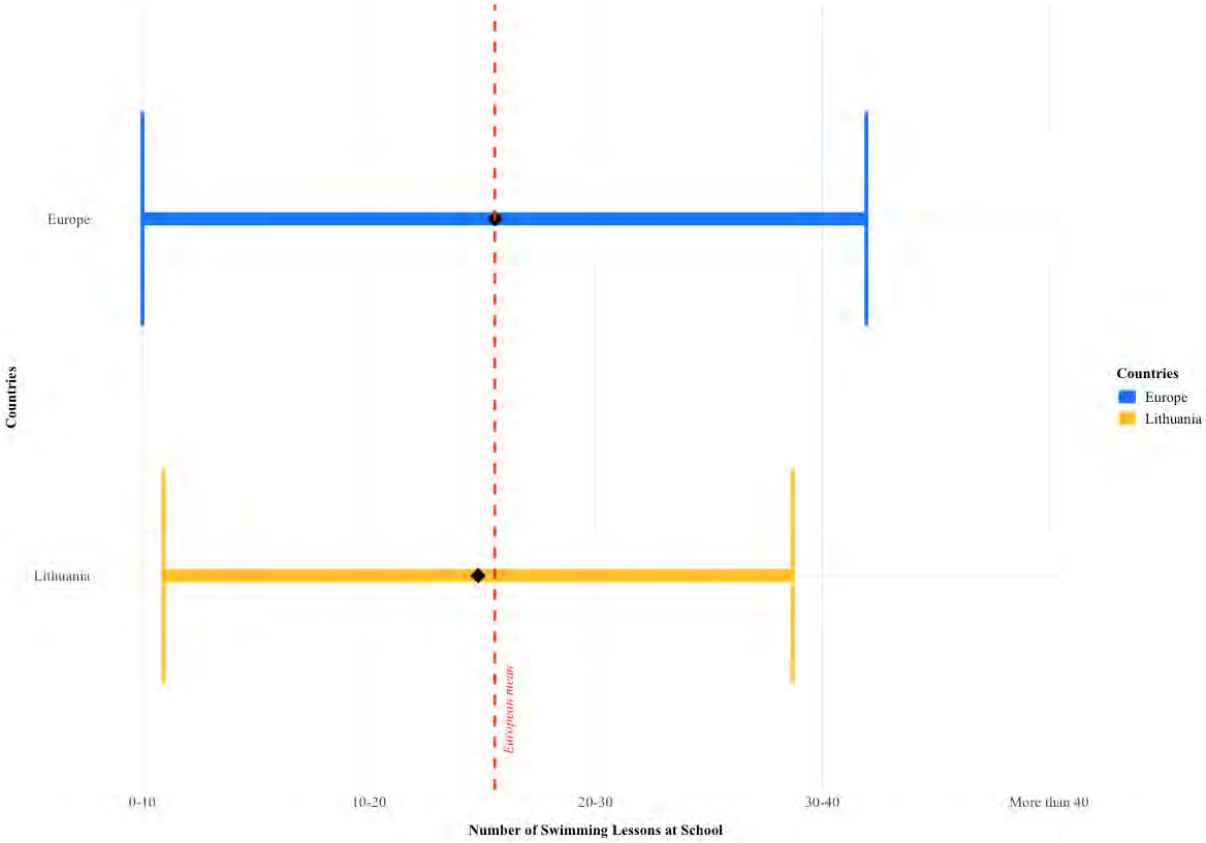


Figure 391. Distribution of the Caregivers' Level of Education in Europe and in Lithuania (Mean±SD).

Table 674. Comparative Analysis of Caregivers' Level of Education in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	409	2,485	2.98^{e-25} ***	0.32	1

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

b. Number of lessons in school

Overview

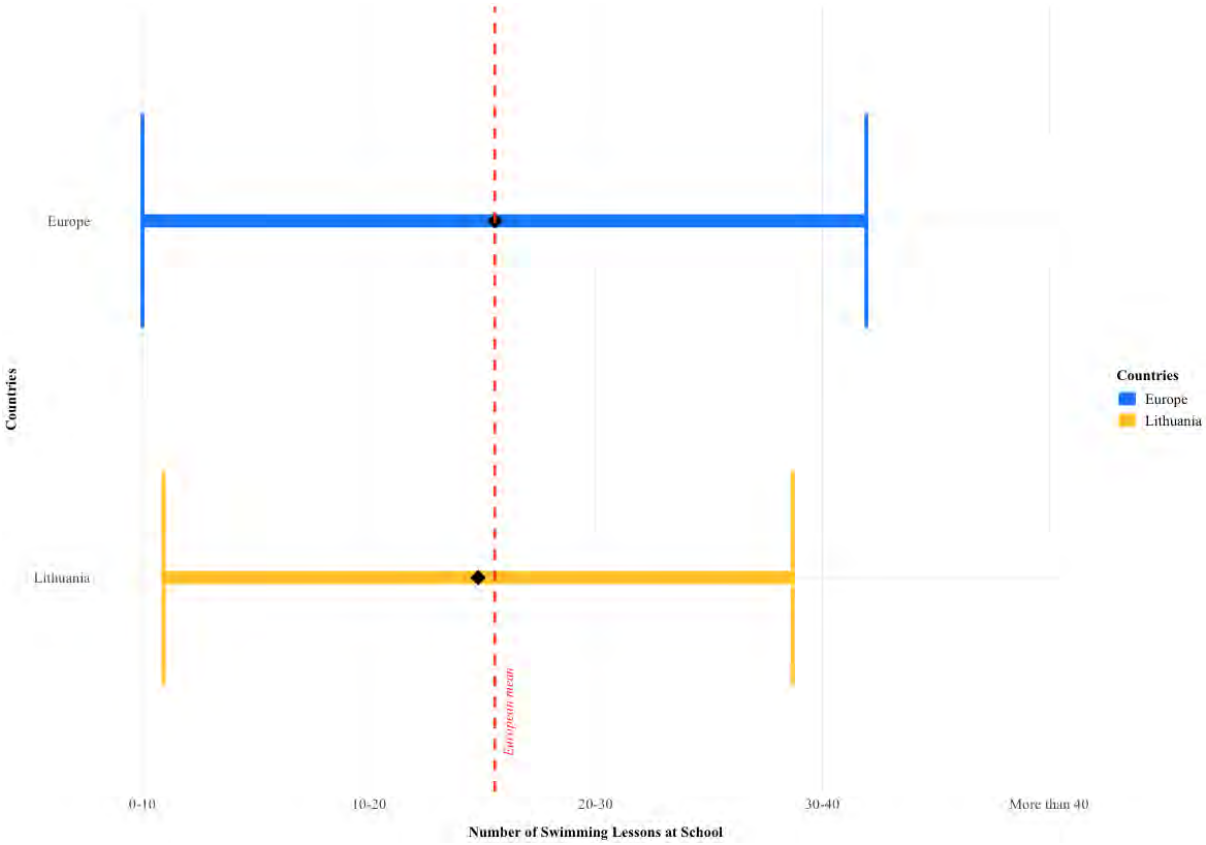


Figure 392. Distribution of the the Number of Lessons at School in Europe and in Lithuania (Mean±SD).

Table 675. Comparative Analysis of the Number of Lessons at School in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	395	2,276	0.98	0.001	0.05

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

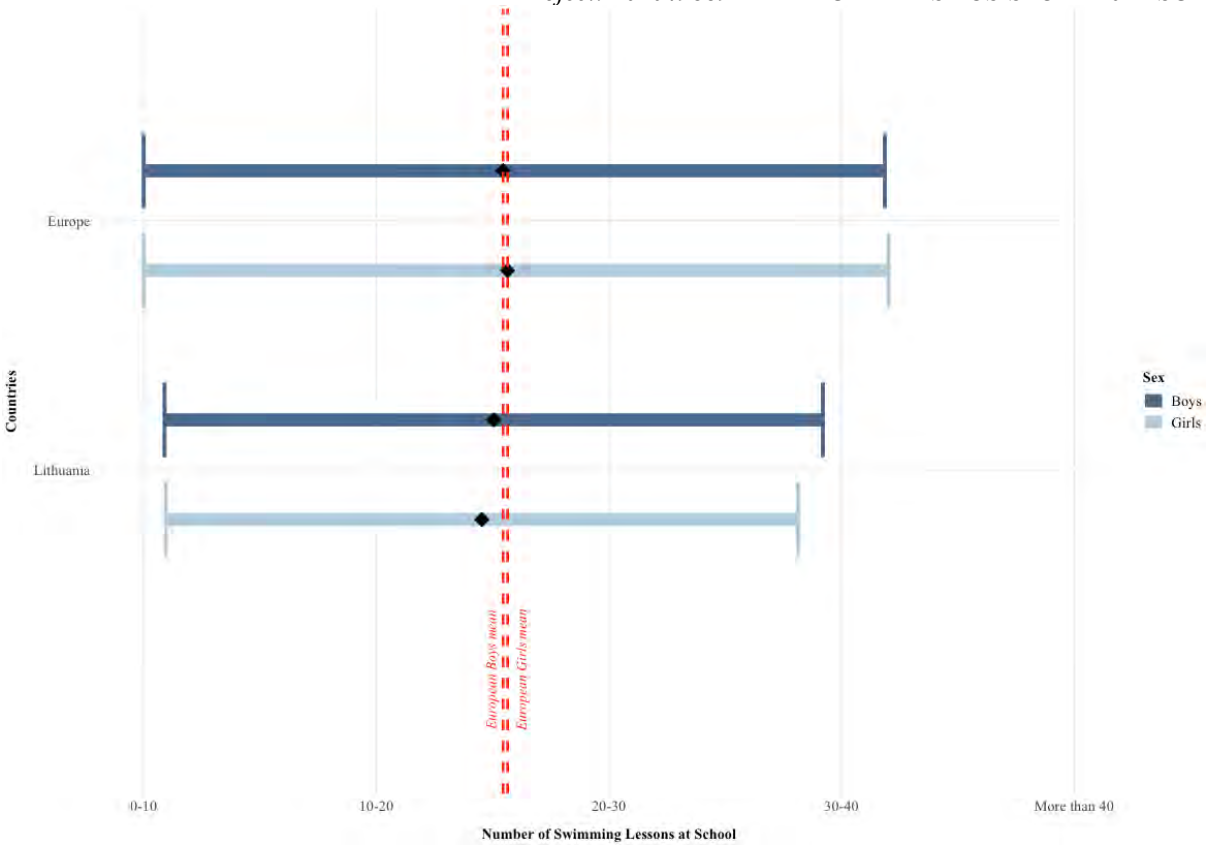


Figure 393. Distribution of the the Number of Lessons at School according to the Sex the Sex in Europe and in Lithuania (Mean±SD).

Table 676. Comparative Analysis of the Number of Lessons at School in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	Boys	210	1,130	0.8	0.006	0.05
	Girls	185	1,146	0.83	0.006	0.05

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 677. Comparative Analysis of the Number of Lessons at School in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania	Boys *vs* Girls	210	185	0.79	0.01	0.06

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

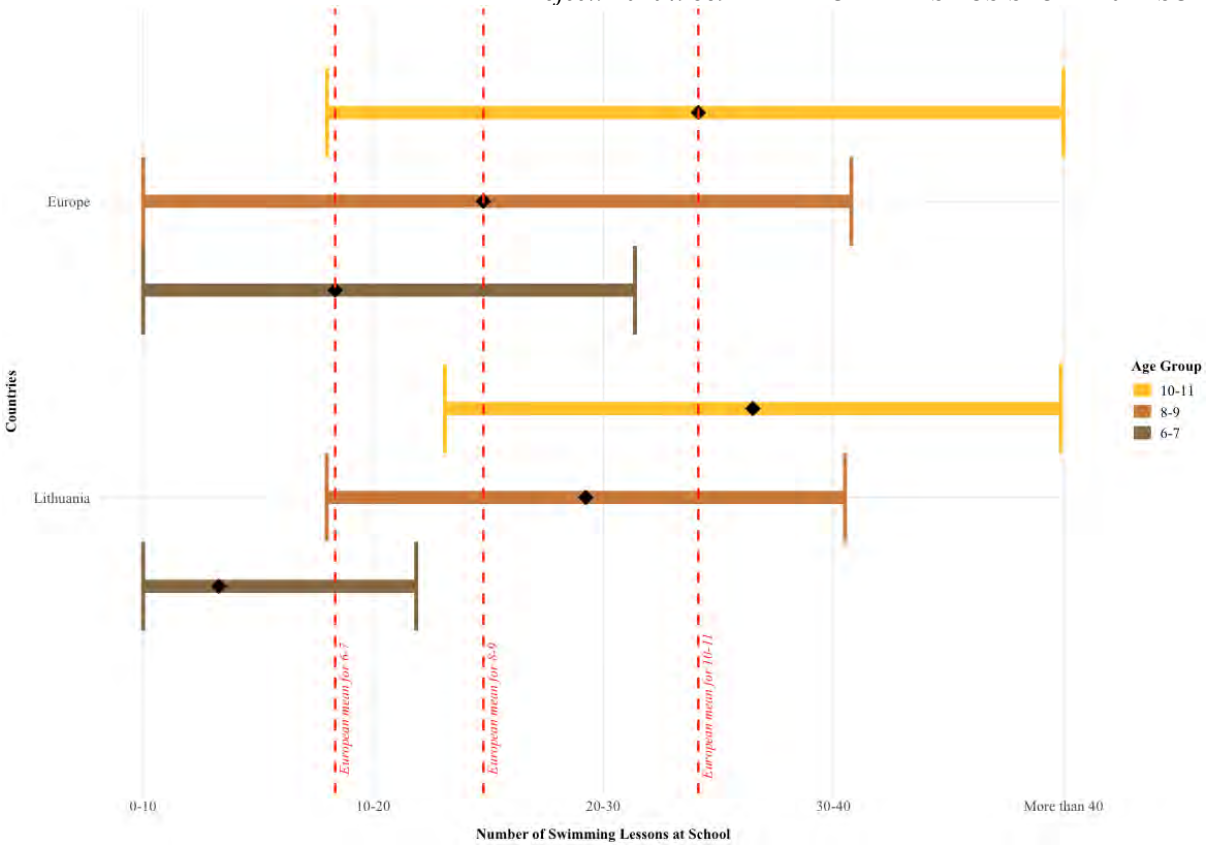


Figure 394. Distribution of the the Number of Lessons at School according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 678. Comparative Analysis of the Number of Lessons at School in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	137	732	2.04^{e-06} ***	0.14	0.84
	8-9 yo	198	854	2.05^{e-07} ***	0.15	0.98
	10-11 yo	60	690	0.48	0.02	0.06

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 679. Comparative Analysis of the Number of Lessons at School in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	137	198		5.53^{e-34} ***	0.63	1
	8-9 yo *vs* 10-11 yo		198	60	5.11^{e-05} ***	0.24	0.92
	6-7 yo *vs* 10-11 yo	137		60	1.58^{e-24} ***	0.64	1

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

c. Number of lessons out-of-school

Overview

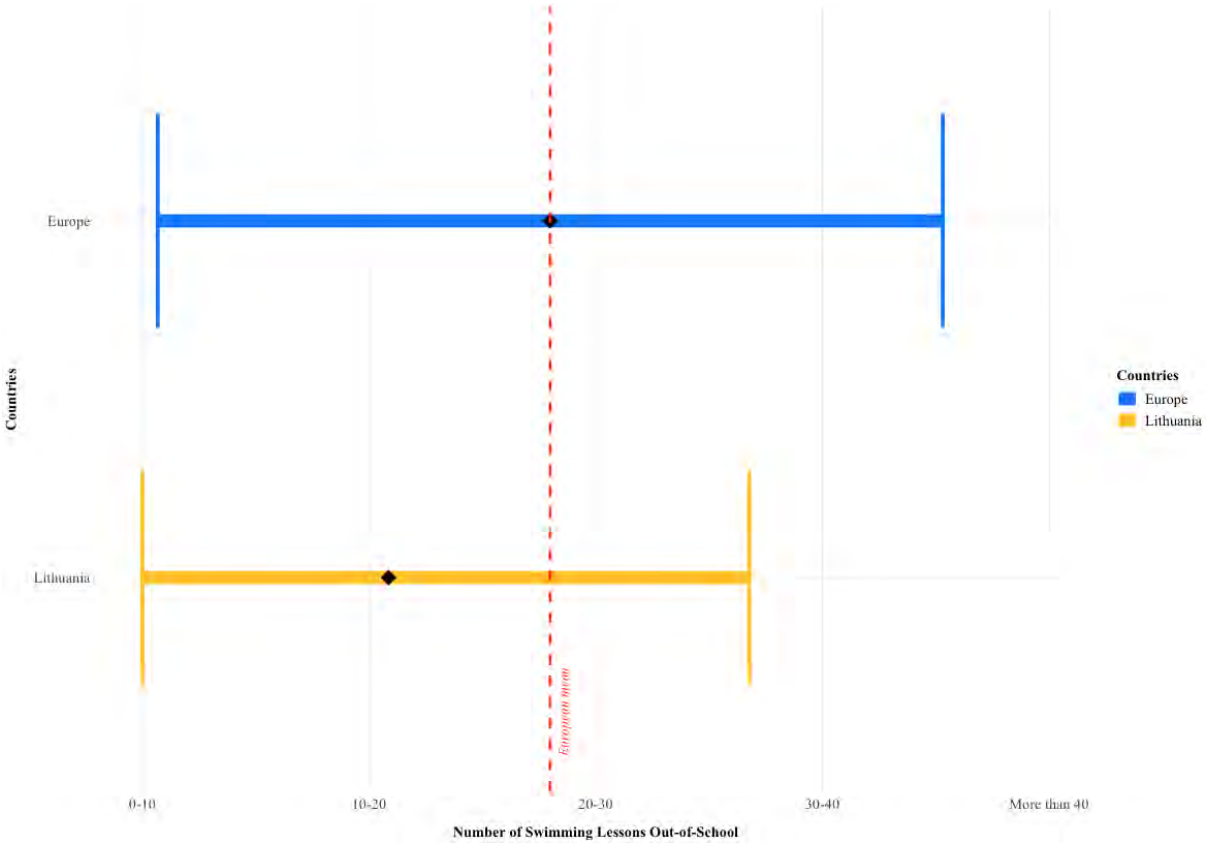


Figure 395. Distribution of the the Number of Lessons Out-of-School in Europe and in Lithuania (Mean±SD).

Table 680. Comparative Analysis of the Number of Lessons Out-of-School in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	397	2,415	5.61^{e-16} ***	0.29	1

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

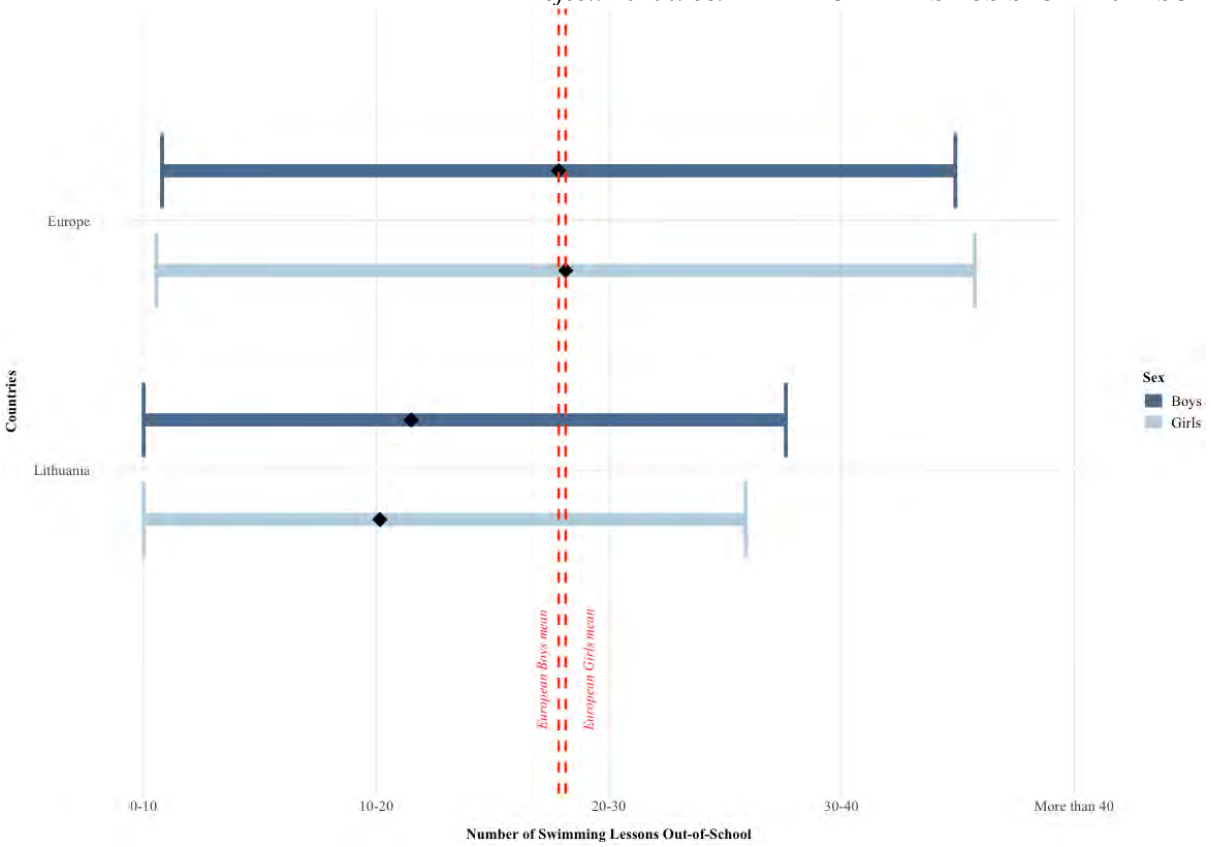


Figure 396. Distribution of the the Number of Lessons Out-of-School according to the Sex in Europe and in Lithuania (Mean±SD).

Table 681. Comparative Analysis of the Number of Lessons Out-of-School in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	207	1,210	1.54^{e-07} ***	0.13	0.94
	Girls	190	1,205	4.81^{e-10} ***	0.16	0.98

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 682. Comparative Analysis of the Number of Lessons Out-of-School in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	207	190	0.26	0.05	0.16

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

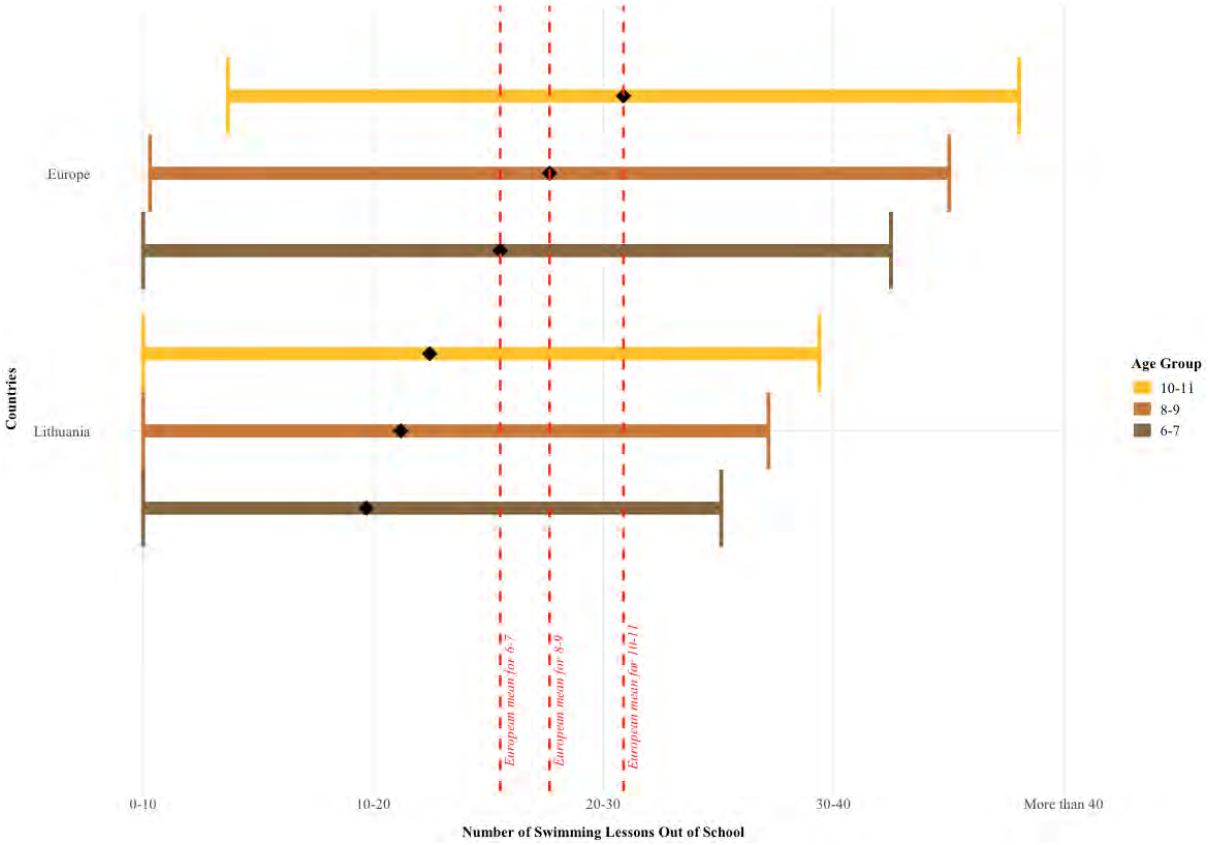


Figure 397. Distribution of the the Number of Lessons Out-of-School according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 683. Comparative Analysis of the Number of Lessons Out-of-School in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	139	759	5.33^{e-05} ***	0.12	0.78
	8-9 yo	201	904	3.41^{e-07} ***	0.14	0.96
	10-11 yo	57	752	1.78^{e-04} ***	0.13	0.45

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 684. Comparative Analysis of the Number of Lessons Out-of-School in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	139	201		0.35	0.04	0.13
	8-9 yo *vs* 10-11 yo		201	57	0.78	0.01	0.05
	6-7 yo *vs* 10-11 yo	139		57	0.36	0.05	0.11

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

d. Do parents/caregivers know to swim?

Overview

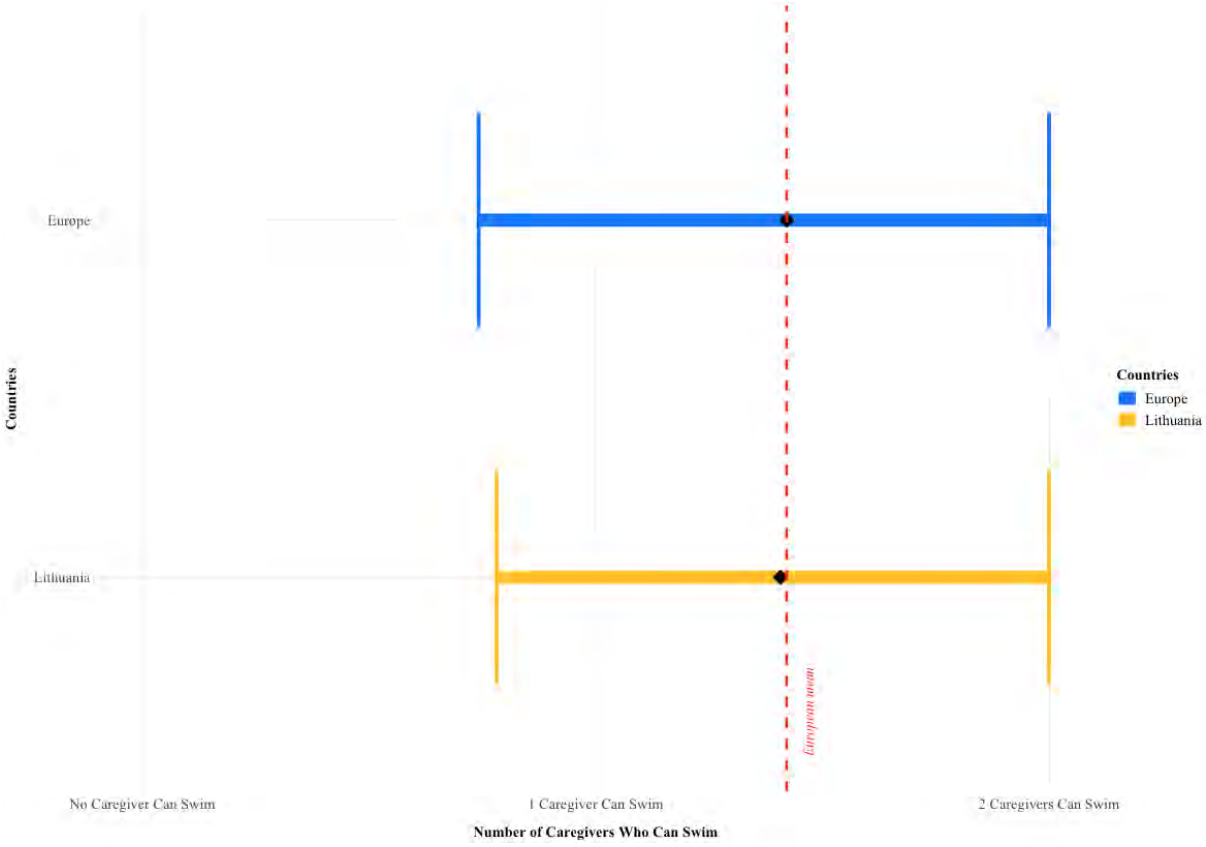


Figure 398. Distribution of the the Number of Caregivers Who Can Swim in Europe and in Lithuania (Mean±SD).

Table 685. Comparative Analysis of the Number of Caregivers Who Can Swim in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	427	2,684	0.33	0.03	0.09

1Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

C. Child questionnaire

Descriptive analysis

Table 686. Number of children answering to the child questionnaire

Country	Sex	Age group	Intrinsic motivation (n=)	Identified motivation (n=)	Confidence in deep water (n=)	Perceived entry (n=)	Perceived exit (n=)
Europe	Boys	6-7	355	355	350	349	355
		8-9	523	523	521	505	508
		10-11	412	412	411	407	407
	Girls	6-7	408	408	405	403	406
		8-9	459	459	457	446	452
		10-11	423	423	416	417	419
Lithuania	Boys	6-7	76	76	76	39	43
		8-9	117	117	114	84	80
		10-11	31	31	31	13	13
	Girls	6-7	69	69	68	46	46
		8-9	100	100	100	73	79
		10-11	33	33	33	13	17
Total			**3,006**	**3,006**	**2,982**	**2,795**	**2,825**

Country	Sex	Age group	Perceived rotation (n=)	Perceived breathing (n=)	Perceived treading (n=)	Perceived back propulsion (n=)	Perceived belly propulsion (n=)
Europe	Boys	6-7	340	351	345	345	344
		8-9	485	521	510	506	510
		10-11	388	407	410	407	404
	Girls	6-7	390	399	388	396	393
		8-9	432	457	447	447	449
		10-11	398	421	421	419	420
Lithuania	Boys	6-7	29	51	56	51	50
		8-9	62	90	95	86	84
		10-11	2	13	16	14	10
	Girls	6-7	33	48	58	48	46
		8-9	56	72	85	75	78
		10-11	3	8	13	8	9
Total			**2,618**	**2,838**	**2,844**	**2,802**	**2,787**

Country	Sex	Age group	Perceived submersion (n=)	Perceived floatation (n=)	Like lessons at school (n=)	Like lessons at school with friends (n=)	Like lessons out-of- school (n=)
Europe	Boys	6-7	346	343	213	216	248
		8-9	511	515	389	398	376
		10-11	407	406	354	360	321
	Girls	6-7	396	396	261	266	305
		8-9	452	453	332	340	323
		10-11	420	422	389	393	316
Lithuania	Boys	6-7	48	53	30	30	47
		8-9	84	81	107	105	69
		10-11	11	13	30	29	20
	Girls	6-7	47	44	27	29	44
		8-9	72	75	95	91	49
		10-11	7	9	33	33	17
Total			**2,801**	**2,810**	**2,260**	**2,290**	**2,135**

Notes. Europe: Belgium, France, Germany, Norway, Poland and Portugal.

Table 686. Cont.

Country	Sex	Age group	Like lessons out-of- school with friends (n=)	Like paying in the pool (n=)	Like paying in the pool with friends (n=)	Like paying in the pool with family (n=)
Europe	Boys	6-7	266	338	332	336
		8-9	373	501	492	498
		10-11	310	403	398	395
	Girls	6-7	317	385	387	385
		8-9	340	453	445	443
		10-11	326	415	419	411
Lithuania	Boys	6-7	48	72	72	71
		8-9	73	113	111	112
		10-11	22	30	29	29
	Girls	6-7	45	67	64	63
		8-9	56	97	94	94
		10-11	17	32	29	33
Total			**2,195**	**2,906**	**2,872**	**2,870**

Country	Sex	Age group	Swimming Race (n=)	Water-Polo (n=)	Synchronised Swimming (n=)	Diving (n=)	Activity 1 (n=)	Activity 2 (n=)
Europe	Boys	6-7	344	345	339	341	345	342
		8-9	514	516	514	515	514	511
		10-11	405	405	404	405	406	405
	Girls	6-7	401	400	398	396	398	398
		8-9	455	451	453	452	453	455
		10-11	423	423	419	420	421	418
Lithuania	Boys	6-7	68	68	65	65	64	67
		8-9	113	107	114	111	112	112
		10-11	31	29	26	25	25	24
	Girls	6-7	66	67	62	64	59	64
		8-9	100	97	97	97	97	96
		10-11	33	33	32	29	28	28
Total			**2,953**	**2,941**	**2,923**	**2,920**	**2,922**	**2,920**

Country	Sex	Age group	Activity 3 (n=)	Activity 4 (n=)	Low risk in the pool (n=)	High risk in the pool (n=)	Low risk open water (n=)	High risk open water (n=)
Europe	Boys	6-7	339	345	350	348	350	350
		8-9	509	513	519	520	519	519
		10-11	405	405	407	407	404	404
	Girls	6-7	400	401	408	407	403	402
		8-9	448	449	460	459	460	459
		10-11	419	413	423	423	423	424
Lithuania	Boys	6-7	66	66	73	73	73	73
		8-9	111	110	118	118	118	118
		10-11	26	27	30	30	30	30
	Girls	6-7	64	66	68	68	68	68
		8-9	98	100	100	100	100	100
		10-11	31	31	32	32	32	32
Total			**2,916**	**2,926**	**2,988**	**2,985**	**2,980**	**2,979**

Notes. Europe: Belgium, France, Germany, Norway, Poland and Portugal.

Table 687. Descriptive analyse of the child questionnaire.

Country	Sex	Age group	Intrinsic motivation Mean (±SD)	Identified motivation Mean (±SD)	Confidence in deep water Mean (±SD)	Perceived entry Mean (±SD)	Perceived exit Mean (±SD)
Europe	Boys	6-7	4.58 (±0.7)	4.18 (±0.93)	3.42 (±1.63)	3.85 (±1.64)	4.28 (±1.44)
		8-9	4.55 (±0.62)	4.17 (±0.8)	3.83 (±1.43)	4.18 (±1.34)	4.54 (±1.1)
		10-11	4.57 (±0.62)	4.24 (±0.7)	4.28 (±1.06)	4.57 (±0.96)	4.75 (±0.77)
	Girls	6-7	4.61 (±0.69)	4.19 (±0.86)	3.45 (±1.63)	3.53 (±1.75)	4.06 (±1.55)
		8-9	4.68 (±0.53)	4.27 (±0.7)	3.68 (±1.43)	3.85 (±1.44)	4.39 (±1.23)
		10-11	4.53 (±0.62)	4.21 (±0.68)	4.09 (±1.2)	4.22 (±1.1)	4.63 (±0.91)
Lithuania	Boys	6-7	4.36 (±0.93)	4.23 (±0.75)	3.28 (±1.63)	3.88 (±1.35)	4.26 (±1.33)
		8-9	4.33 (±0.81)	4.08 (±0.88)	3.93 (±1.44)	4 (±1.49)	4.62 (±0.93)
		10-11	4.61 (±0.63)	4.46 (±0.5)	4.33 (±1.02)	4.54 (±0.78)	4.85 (±0.38)
	Girls	6-7	4.57 (±0.73)	4.31 (±0.72)	2.93 (±1.67)	3.14 (±1.86)	4.64 (±0.78)
		8-9	4.4 (±0.77)	4.2 (±0.76)	3.67 (±1.29)	3.9 (±1.24)	4.44 (±1.11)
		10-11	4.11 (±0.78)	4.04 (±0.69)	4.1 (±1.16)	4.16 (±1.47)	4.65 (±0.87)

Country	Sex	Age group	Perceived rotation Mean (±SD)	Perceived breathing Mean (±SD)	Perceived treading Mean (±SD)	Perceived back propulsion Mean (±SD)	Perceived belly propulsion Mean (±SD)
Europe	Boys	6-7	3.18 (±1.92)	4.21 (±1.44)	3.55 (±1.72)	3.53 (±1.74)	4.22 (±1.33)
		8-9	3.7 (±1.69)	4.38 (±1.07)	3.67 (±1.52)	3.98 (±1.47)	4.53 (±0.86)
		10-11	4.27 (±1.29)	4.48 (±0.84)	4.1 (±1.15)	4.28 (±1.13)	3.69 (±1.71)
	Girls	6-7	2.81 (±1.94)	4.04 (±1.5)	3.2 (±1.82)	3.47 (±1.81)	4.09 (±1.37)
		8-9	3.56 (±1.62)	4.37 (±1)	3.6 (±1.57)	3.83 (±1.54)	4.33 (±1.1)
		10-11	4.07 (±1.45)	4.39 (±0.88)	3.89 (±1.18)	4.15 (±1.22)	3.56 (±1.84)
Lithuania	Boys	6-7	2.25 (±1.91)	3.75 (±1.69)	2.95 (±1.77)	3.08 (±1.72)	4.29 (±1.34)
		8-9	3.42 (±1.68)	4.52 (±1.06)	4.09 (±1.33)	4.3 (±1.38)	4.9 (±0.32)
		10-11	3.5 (±2.13)	4.77 (±0.6)	4.13 (±1.21)	4.58 (±0.76)	3.31 (±1.58)
	Girls	6-7	2.4 (±1.87)	3.48 (±1.83)	3.09 (±1.67)	3.23 (±1.79)	4.13 (±1.02)
		8-9	3.22 (±1.74)	4.57 (±0.92)	4.11 (±1.22)	4.5 (±0.95)	3.56 (±1.43)
		10-11	3 (±2)	3.5 (±1.42)	3.54 (±1.2)	3.5 (±1.2)	4.22 (±1.33)

Country	Sex	Age group	Perceived submersion Mean (±SD)	Perceived floatation Mean (±SD)	Like lessons at school Mean (±SD)	Like lessons at school with friends Mean (±SD)	Like lessons out-of- school Mean (±SD)
Europe	Boys	6-7	3.85 (±1.69)	3.69 (±1.73)	4.31 (±1.24)	4.08 (±1.33)	4.44 (±1.09)
		8-9	4.15 (±1.36)	4.04 (±1.33)	4.23 (±1.09)	4.18 (±1.15)	4.3 (±1.1)
		10-11	4.39 (±0.96)	4.33 (±0.96)	4.05 (±1.06)	3.98 (±1.03)	4.04 (±1.14)
	Girls	6-7	3.62 (±1.79)	3.54 (±1.74)	4.42 (±1.03)	4.28 (±1.16)	4.31 (±1.19)
		8-9	4.11 (±1.35)	4.17 (±1.26)	4.38 (±0.95)	4.24 (±0.98)	4.43 (±0.95)
		10-11	4.18 (±1.15)	4.27 (±1.06)	4 (±1.1)	4.04 (±0.97)	4.19 (±1.01)
Lithuania	Boys	6-7	3.25 (±1.8)	3.42 (±1.71)	3.84 (±1.4)	3.94 (±1.37)	4.09 (±1.45)
		8-9	4.43 (±1.11)	4.34 (±1.27)	4 (±1.33)	4.06 (±1.28)	3.98 (±1.36)
		10-11	4.73 (±0.65)	4.08 (±1.26)	4.44 (±1.01)	4.28 (±1.04)	3.9 (±1.34)
	Girls	6-7	3.13 (±1.79)	3.35 (±1.73)	4.56 (±0.81)	4.59 (±0.91)	4.35 (±1.19)
		8-9	4.37 (±1.22)	4.3 (±1.14)	3.9 (±1.14)	4.19 (±0.89)	4.29 (±1.05)
		10-11	3.29 (±1.39)	3.78 (±0.98)	3.55 (±1.13)	3.58 (±1.15)	4.18 (±0.81)

Notes. Europe: Belgium, France, Germany, Norway, Poland and Portugal.

Table 687. Cont.

Country	Sex	Age group	Like lessons out-of-school with friends Mean (±SD)	Like paying in the pool Mean (±SD)	Like paying in the pool with friends Mean (±SD)	Like paying in the pool with family Mean (±SD)
Europe	Boys	6-7	4.23 (±1.26)	4.68 (±0.9)	4.68 (±0.87)	4.67 (±0.96)
		8-9	4.04 (±1.25)	4.7 (±0.77)	4.68 (±0.81)	4.73 (±0.71)
		10-11	3.95 (±1.16)	4.64 (±0.67)	4.72 (±0.64)	4.58 (±0.72)
	Girls	6-7	4.28 (±1.2)	4.7 (±0.84)	4.73 (±0.74)	4.77 (±0.76)
		8-9	4.19 (±1.1)	4.74 (±0.64)	4.74 (±0.67)	4.74 (±0.75)
		10-11	4.01 (±1.05)	4.59 (±0.78)	4.74 (±0.56)	4.7 (±0.62)
Lithuania	Boys	6-7	4.07 (±1.32)	4.66 (±0.91)	4.32 (±1.24)	4.81 (±0.61)
		8-9	3.84 (±1.34)	4.66 (±0.88)	4.42 (±1.11)	4.59 (±0.98)
		10-11	4.14 (±1)	4.74 (±0.7)	4.73 (±0.85)	4.56 (±0.99)
	Girls	6-7	4.32 (±1.05)	4.78 (±0.65)	4.68 (±0.8)	4.78 (±0.66)
		8-9	4.22 (±1.11)	4.83 (±0.53)	4.63 (±0.9)	4.82 (±0.42)
		10-11	3.95 (±0.83)	4.69 (±0.74)	4.76 (±0.44)	4.34 (±1.03)

Country	Sex	Age group	Swimming Race Mean (±SD)	Water Polo Mean (±SD)	Synchronised Swimming Mean (±SD)	Diving Mean (±SD)	Activity 1 Mean (±SD)	Activity 2 Mean (±SD)
Europe	Boys	6-7	3.5 (±1.66)	3.99 (±1.54)	2.27 (±1.65)	3.68 (±1.7)	4 (±1.57)	3.89 (±1.57)
		8-9	3.58 (±1.55)	4 (±1.41)	2.03 (±1.47)	3.9 (±1.48)	4.12 (±1.32)	4.09 (±1.36)
		10-11	3.27 (±1.44)	3.91 (±1.33)	1.86 (±1.24)	3.79 (±1.43)	4.03 (±1.19)	4.17 (±1.21)
	Girls	6-7	3.39 (±1.67)	3.19 (±1.7)	3.52 (±1.65)	3.15 (±1.75)	3.7 (±1.61)	3.5 (±1.66)
		8-9	3.63 (±1.48)	3.42 (±1.49)	3.64 (±1.49)	3.57 (±1.58)	3.97 (±1.3)	3.83 (±1.45)
		10-11	3.31 (±1.32)	3.58 (±1.3)	3.43 (±1.43)	3.61 (±1.41)	4.03 (±1.21)	4.04 (±1.2)
Lithuania	Boys	6-7	3.25 (±1.81)	3.74 (±1.59)	1.76 (±1.33)	3.5 (±1.71)	3.91 (±1.49)	3.78 (±1.48)
		8-9	3.38 (±1.6)	3.97 (±1.43)	2.28 (±1.58)	3.87 (±1.56)	4.2 (±1.26)	4.27 (±1.25)
		10-11	3.97 (±1.38)	3.94 (±1.39)	2.24 (±1.4)	4 (±1.33)	4.4 (±1.16)	4.55 (±0.66)
	Girls	6-7	3.57 (±1.58)	3.59 (±1.49)	3.57 (±1.69)	3.32 (±1.71)	4.14 (±1.41)	3.57 (±1.68)
		8-9	3.23 (±1.49)	3.27 (±1.49)	3.61 (±1.45)	3.25 (±1.62)	4.25 (±1.15)	3.93 (±1.41)
		10-11	3.46 (±1.28)	3.82 (±1.22)	3.35 (±1.29)	3.56 (±1.38)	4.29 (±1.05)	4.11 (±1.14)

Country	Sex	Age group	Activity 3 Mean (±SD)	Activity 4 Mean (±SD)	Low risk in the pool Mean (±SD)	High risk in the pool Mean (±SD)	Low risk open water Mean (±SD)	High risk open water Mean (±SD)
Europe	Boys	6-7	3.94 (±1.57)	3.67 (±1.63)	3.56 (±1.23)	2.44 (±1.24)	4.03 (±1.18)	2.13 (±1.35)
		8-9	4.13 (±1.33)	3.81 (±1.44)	3.52 (±1.2)	2.55 (±1.17)	3.95 (±1.22)	2.43 (±1.31)
		10-11	4.08 (±1.24)	3.68 (±1.39)	3.6 (±1.04)	2.41 (±1.2)	4.04 (±1.12)	2.11 (±1.27)
	Girls	6-7	3.36 (±1.67)	3.2 (±1.68)	3.39 (±1.24)	2.7 (±1.2)	3.89 (±1.18)	2.22 (±1.24)
		8-9	3.84 (±1.47)	3.46 (±1.46)	3.42 (±1.12)	2.68 (±1.07)	3.87 (±1.11)	2.46 (±1.26)
		10-11	4.04 (±1.22)	3.57 (±1.32)	3.52 (±1.1)	2.65 (±1.12)	3.96 (±1.17)	2.4 (±1.25)
Lithuania	Boys	6-7	3.64 (±1.65)	3.67 (±1.58)	2.59 (±1.39)	3.39 (±1.14)	3.58 (±1.37)	3.31 (±1.3)
		8-9	3.96 (±1.47)	3.78 (±1.49)	2.84 (±1.25)	3.21 (±1)	3.73 (±1.17)	3.5 (±1.29)
		10-11	3.74 (±1.35)	3.93 (±1.39)	3.24 (±1.23)	3 (±1.06)	4.07 (±1.02)	2.6 (±1.25)
	Girls	6-7	3.47 (±1.54)	3.54 (±1.56)	2.9 (±1.24)	3.24 (±1.26)	3.7 (±1.21)	3.23 (±1.12)
		8-9	3.58 (±1.47)	3.34 (±1.6)	2.59 (±1.15)	3.5 (±0.8)	3.58 (±1.11)	3.8 (±1.08)
		10-11	4.1 (±1.31)	3.59 (±1.21)	2.88 (±1.19)	3.32 (±0.9)	3.5 (±0.96)	3.16 (±1.09)

Notes. Europe: Belgium, France, Germany, Norway, Poland and Portugal.

a. Intrinsic motivation

Overview

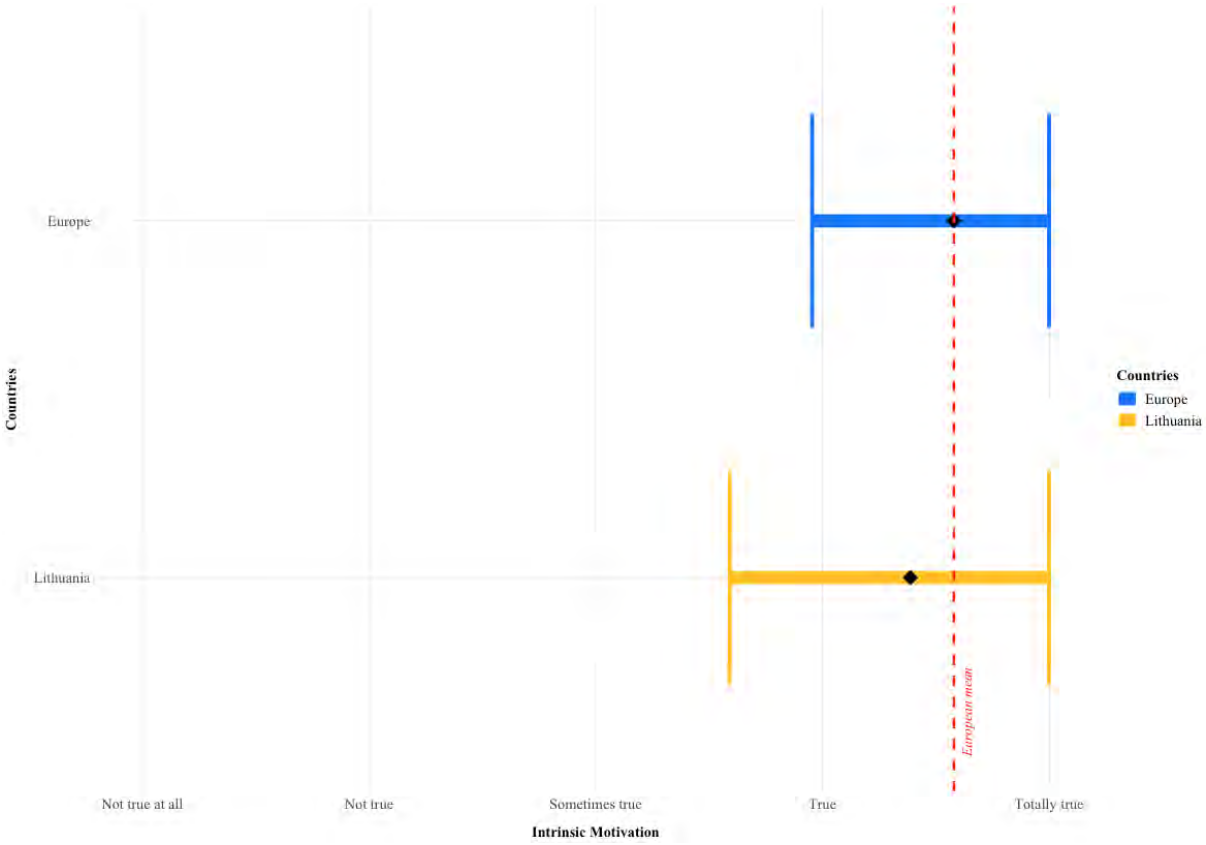


Figure 399. Distribution of the Intrinsic Motivation in Europe and in Lithuania (Mean±SD).

Table 688. Comparative Analysis of the Intrinsic Motivation in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	426	2,580	6.72^{e-07} ***	0.17	0.9

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

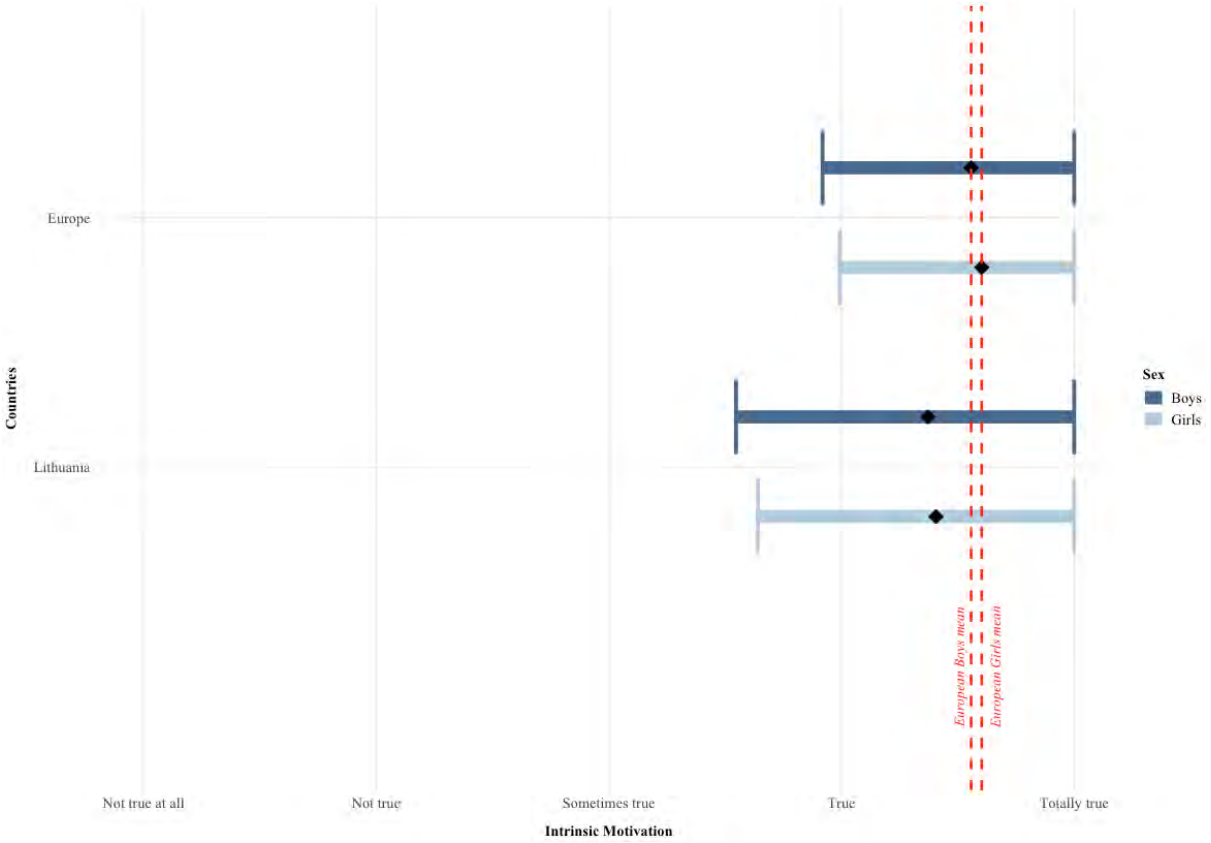


Figure 400. Distribution of the Intrinsic Motivation according to the Sex in Europe and in Lithuania (Mean±SD).

Table 689. Comparative Analysis of the Intrinsic Motivation in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	224	1,290	0.002 **	0.07	0.53
	Girls	202	1,290	8.21^{e-05} ***	0.09	0.7

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 690. Comparative Analysis of the Intrinsic Motivation in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	224	202	0.87	0.007	0.05

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

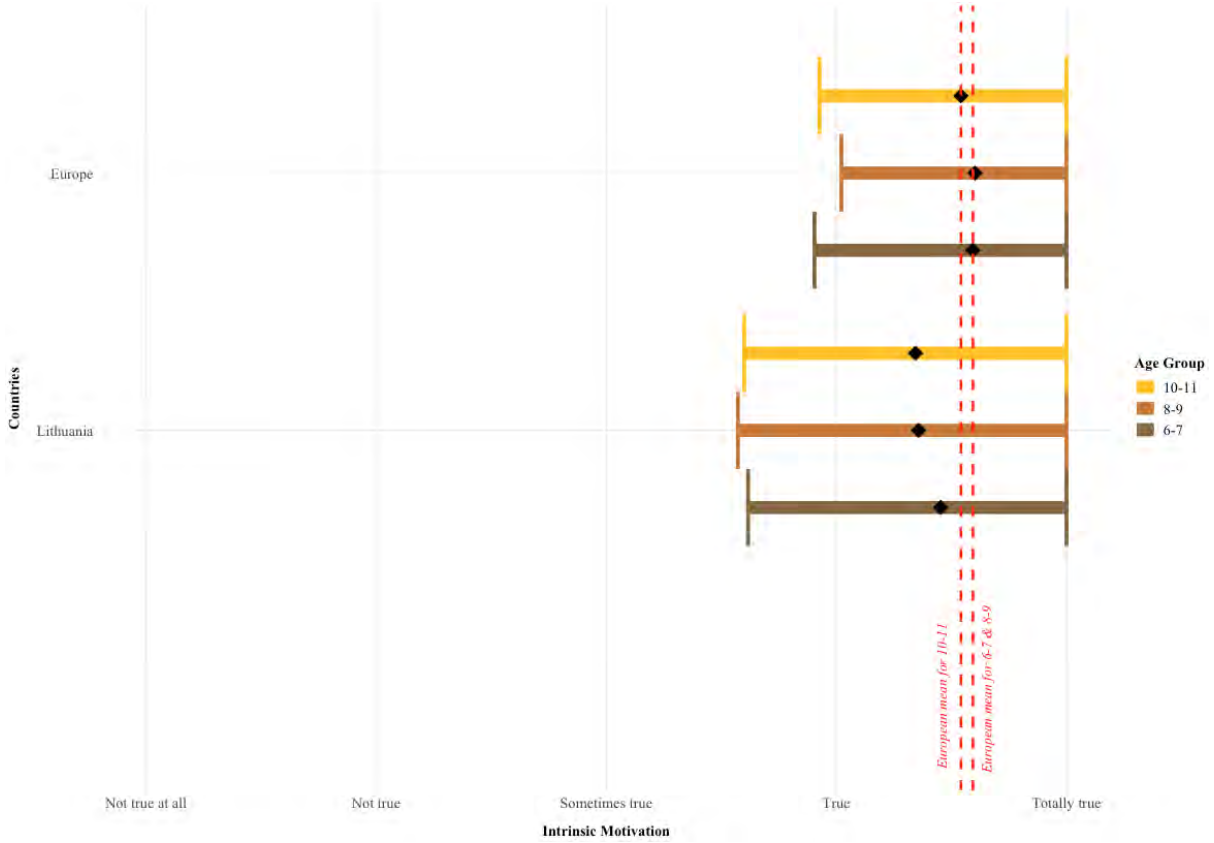


Figure 401. Distribution of the Intrinsic Motivation according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 691. Comparative Analysis of the Intrinsic Motivation in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	145	763	0.13	0.04	0.17
	8-9 yo	217	982	1.76^{e-06} ***	0.13	0.93
	10-11 yo	64	835	0.007 **	0.08	0.26

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 692. Comparative Analysis of the Intrinsic Motivation in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	145	217		0.02 *	0.12	0.61
	8-9 yo *vs* 10-11 yo		217	64	0.56	0.03	0.08
	6-7 yo *vs* 10-11 yo	145		64	0.02 *	0.15	0.54

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

b. Identified motivation

Overview

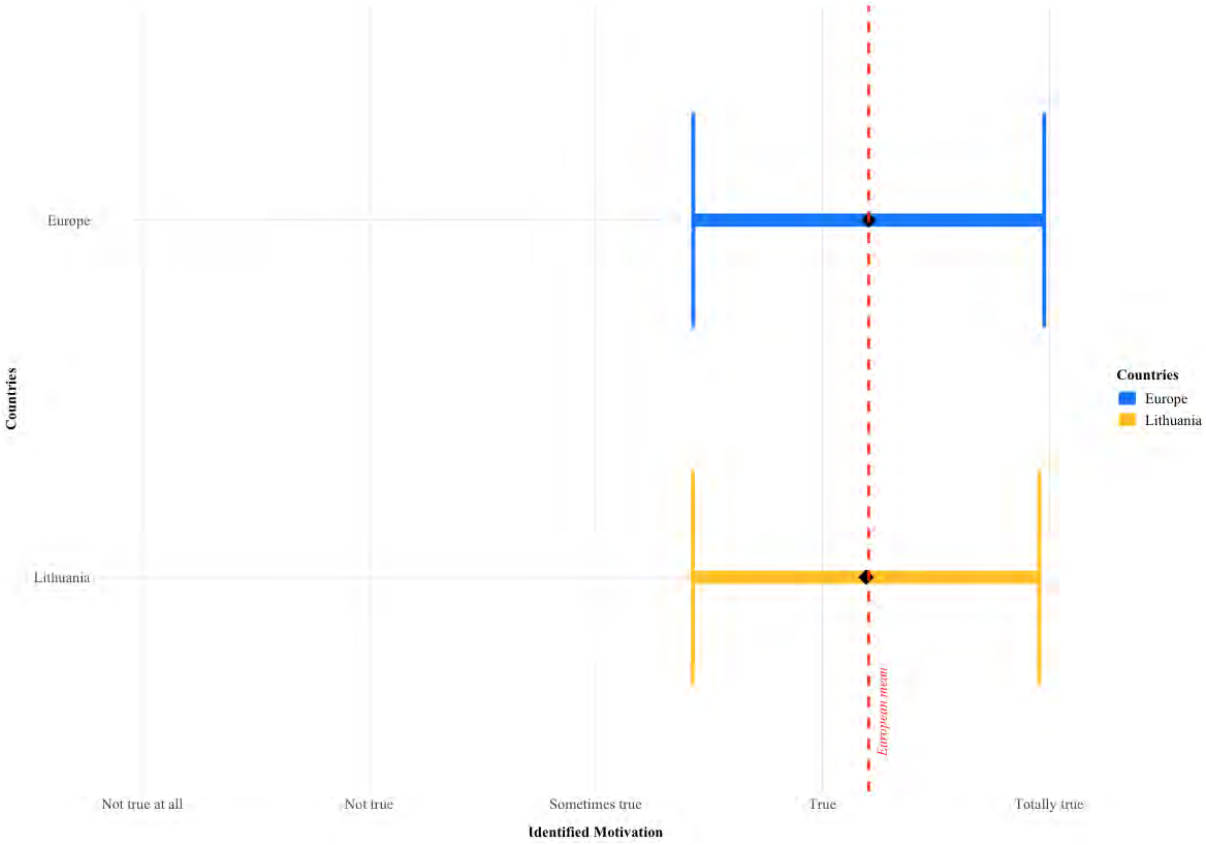


Figure 402. Distribution of the Identified Motivation in Europe and in Lithuania (Mean±SD).

Table 693. Comparative Analysis of the Identified Motivation in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	426	2,580	0.63	0.02	0.06

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

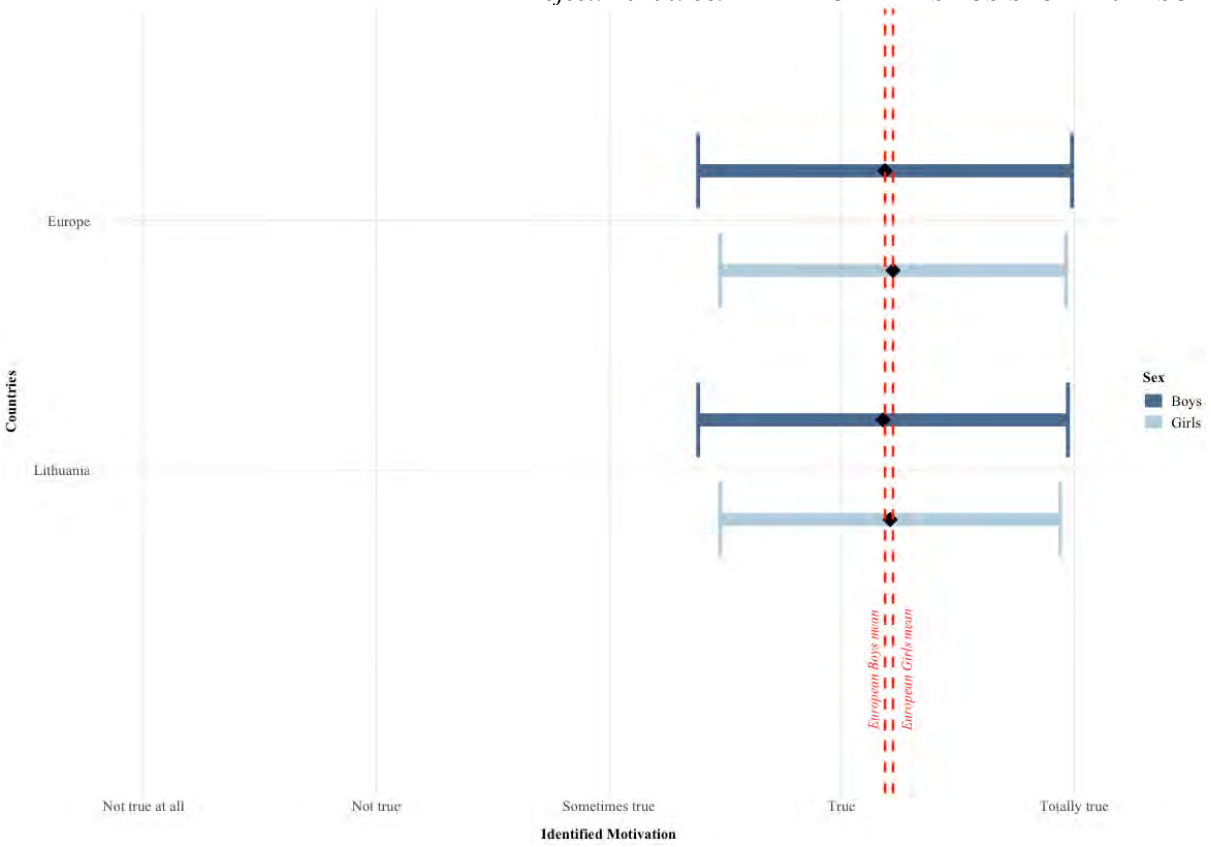


Figure 403. Distribution of the Identified Motivation according to the Sex in Europe and in Lithuania (Mean±SD).

Table 694. Comparative Analysis of the Identified Motivation in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	224	1,290	0.79	0.006	0.05
	Girls	202	1,290	0.67	0.01	0.06

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 695. Comparative Analysis of the Identified Motivation in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	224	202	0.88	0.007	0.05

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (*d<0.2*); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

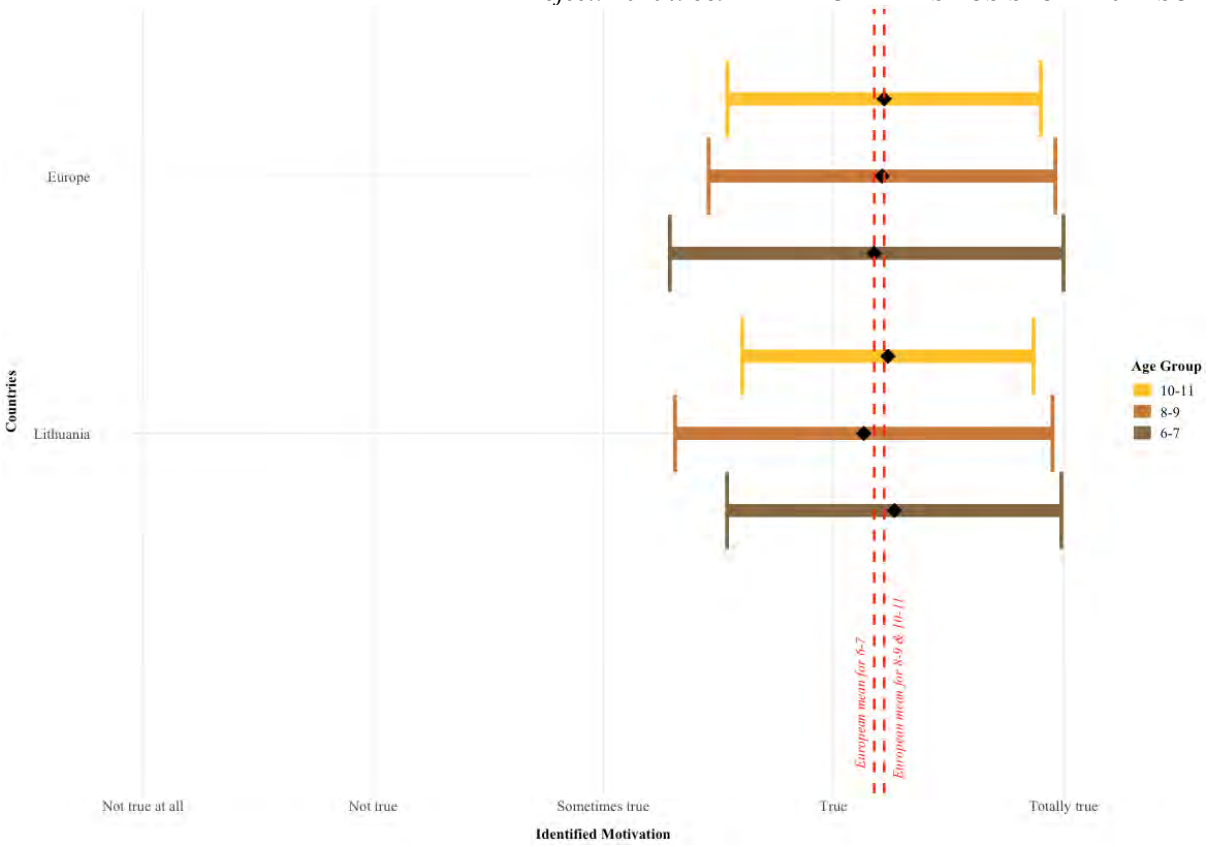


Figure 404. Distribution of the Identified Motivation according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 696. Comparative Analysis of the Identified Motivation in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	145	763	0.7	0.02	0.06
	8-9 yo	217	982	0.25	0.03	0.05
	10-11 yo	64	835	0.89	0.004	0.05

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 697. Comparative Analysis of the Identified Motivation in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	145	217		0.16	0.07	0.27
	8-9 yo *vs* 10-11 yo		217	64	0.71	0.02	0.06
	6-7 yo *vs* 10-11 yo	145		64	0.44	0.05	0.11

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

c. Confidence in deep water

Overview

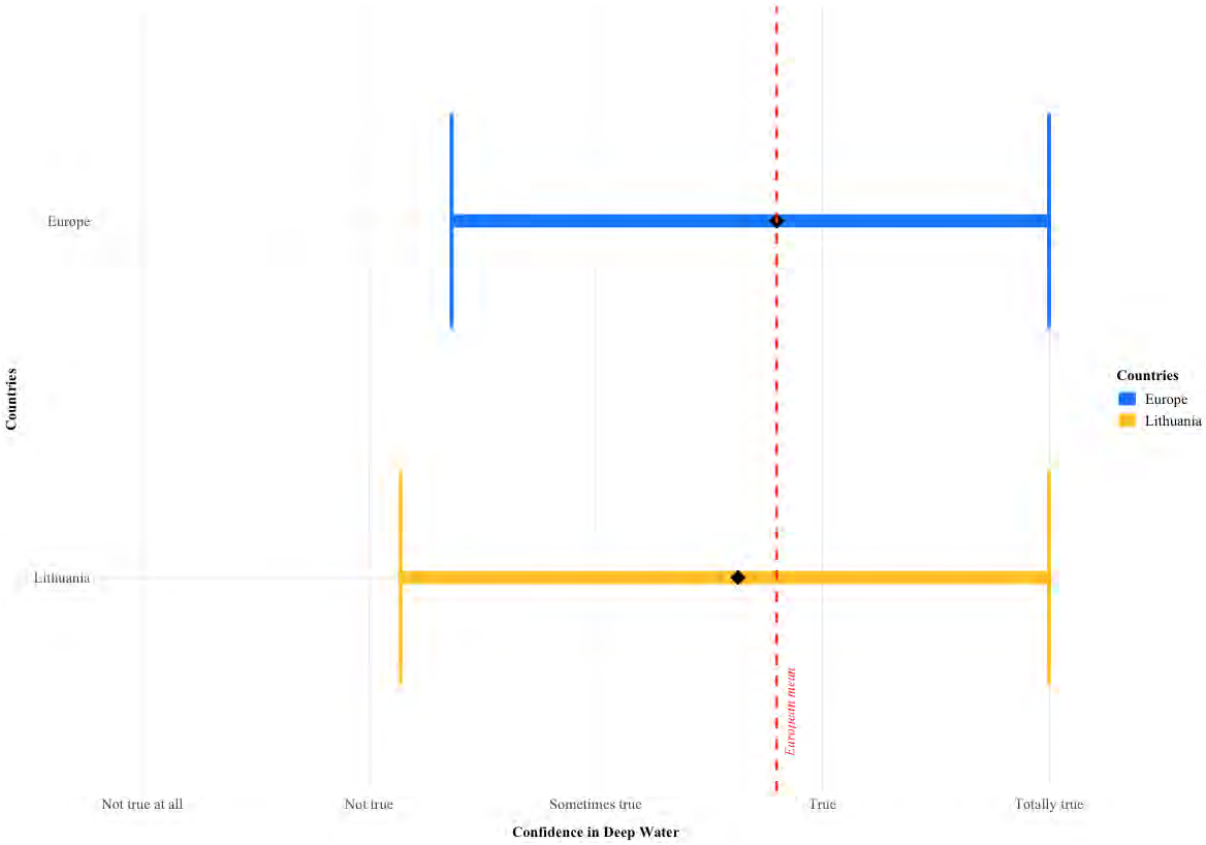


Figure 405. Distribution of the Confidence in Deep Water in Europe and in Lithuania (Mean±SD).

Table 698. Comparative Analysis of the Confidence in Deep Water in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	422	2,560	0.03 *	0.08	0.3

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

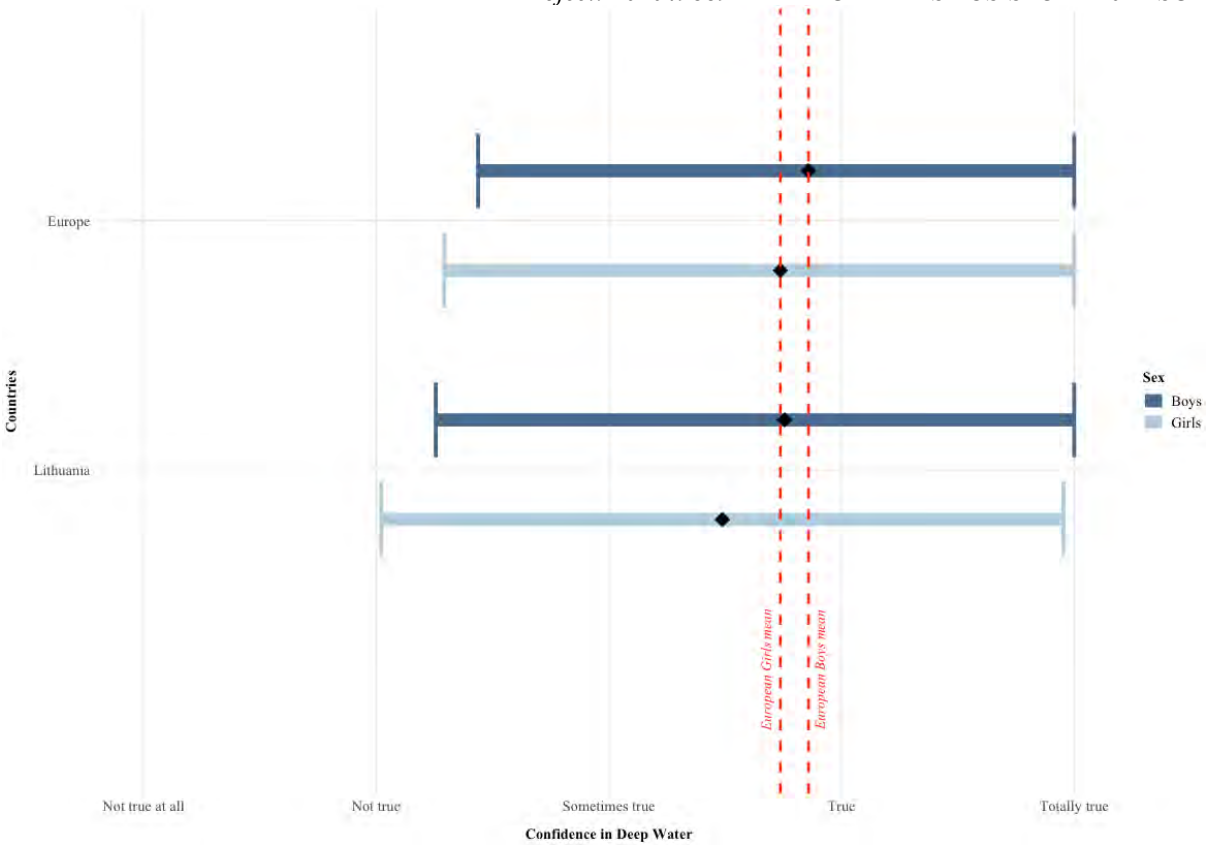


Figure 406. Distribution of the Confidence in Deep Water according to the Sex in Europe and in Lithuania (Mean±SD).

Table 699. Comparative Analysis of the Confidence in Deep Water in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	221	1,282	0.5	0.02	0.07
	Girls	201	1,278	0.01 *	0.06	0.36

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 700. Comparative Analysis of the Confidence in Deep Water in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	221	201	0.03	0.1	0.55

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

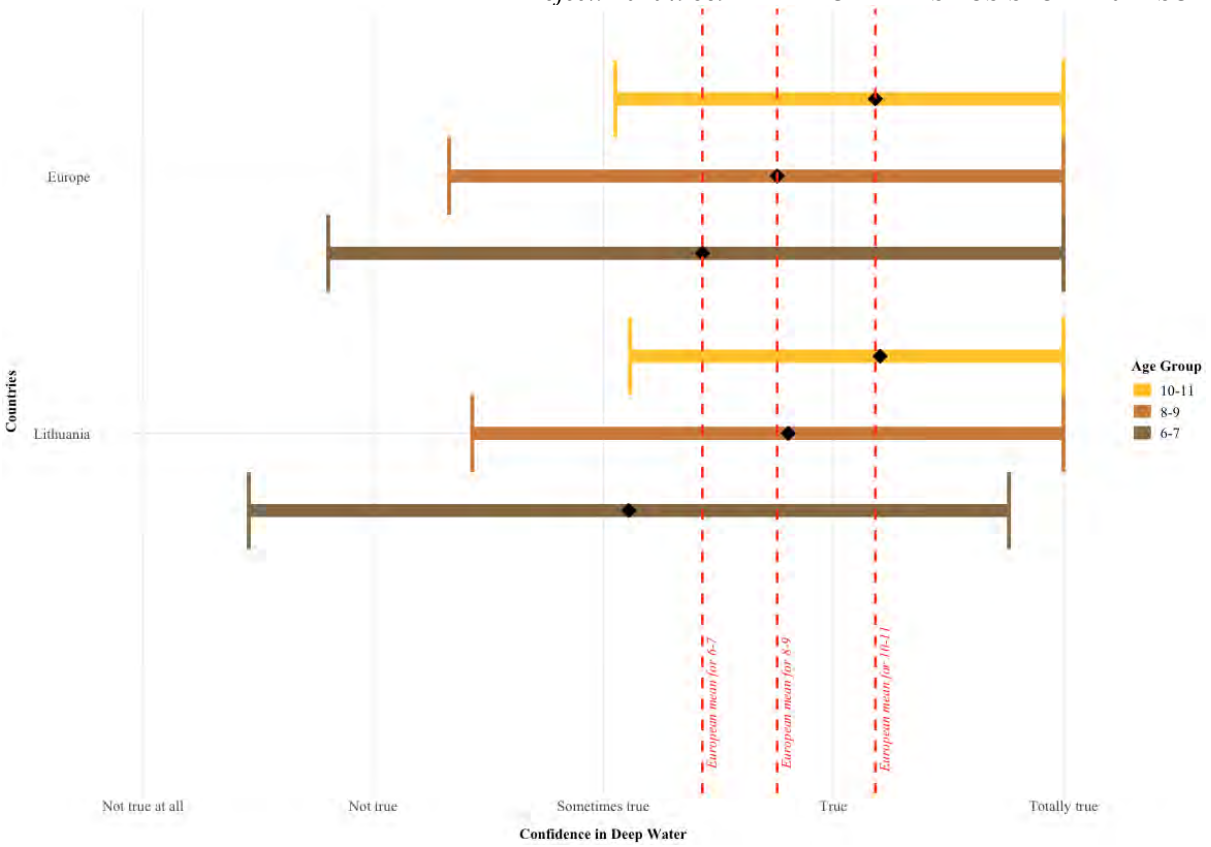


Figure 407. Distribution of the Confidence in Deep Water according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 701. Comparative Analysis of the Confidence in Deep Water in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	144	755	0.04 *	0.07	0.3
	8-9 yo	214	978	0.8	0.007	0.05
	10-11 yo	64	827	0.9	0.002	0.05

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 702. Comparative Analysis of the Confidence in Deep Water in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	144	214		1.67^{e-04} ***	0.19	0.95
	8-9 yo *vs* 10-11 yo		214	64	0.07	0.1	0.31
	6-7 yo *vs* 10-11 yo	144		64	2.34^{e-05} ***	0.28	0.97

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

d. Perceived skills

1. Perceived entry in the water

Overview

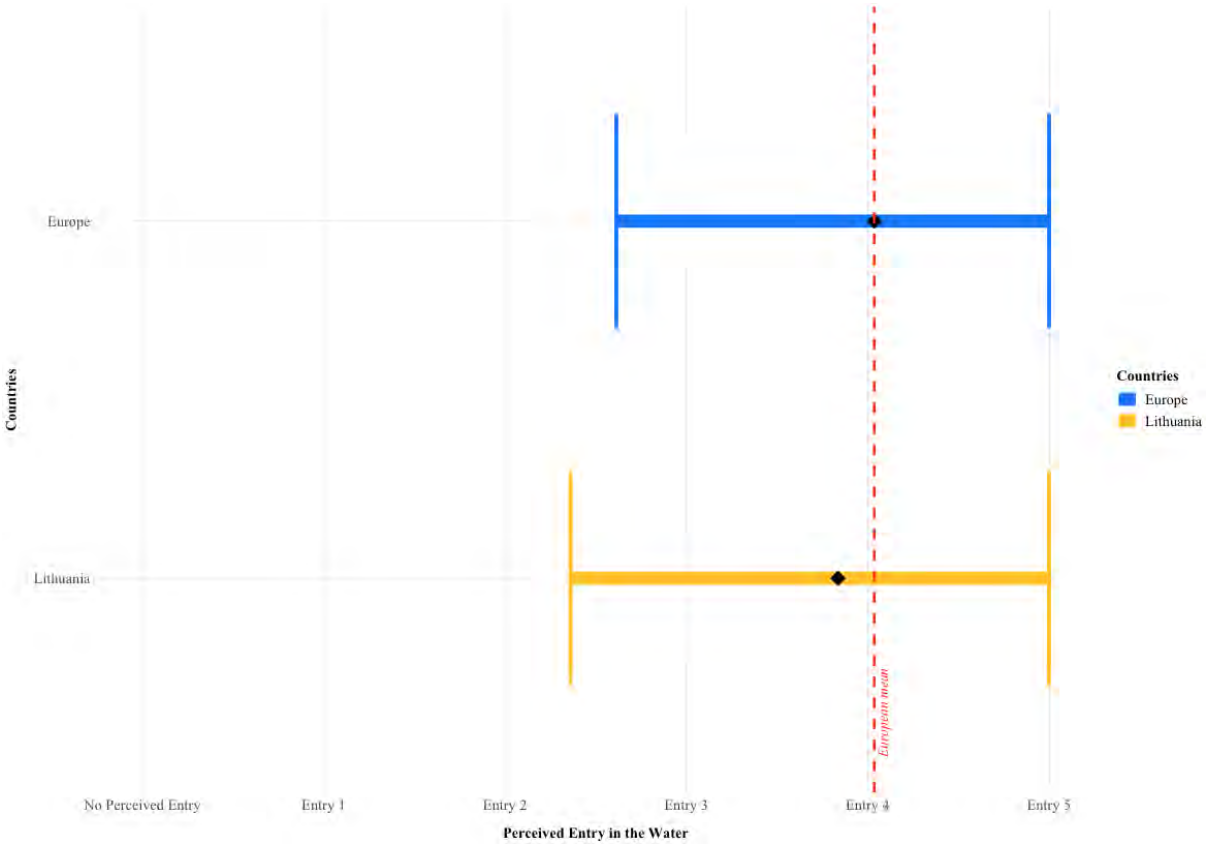


Figure 408. Distribution of the Perceived Entry in the Water in Europe and in Lithuania (Mean±SD).

Table 703. Comparative Analysis of the Perceived Entry in the Water in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	268	2,527	0.005 **	0.1	0.32

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

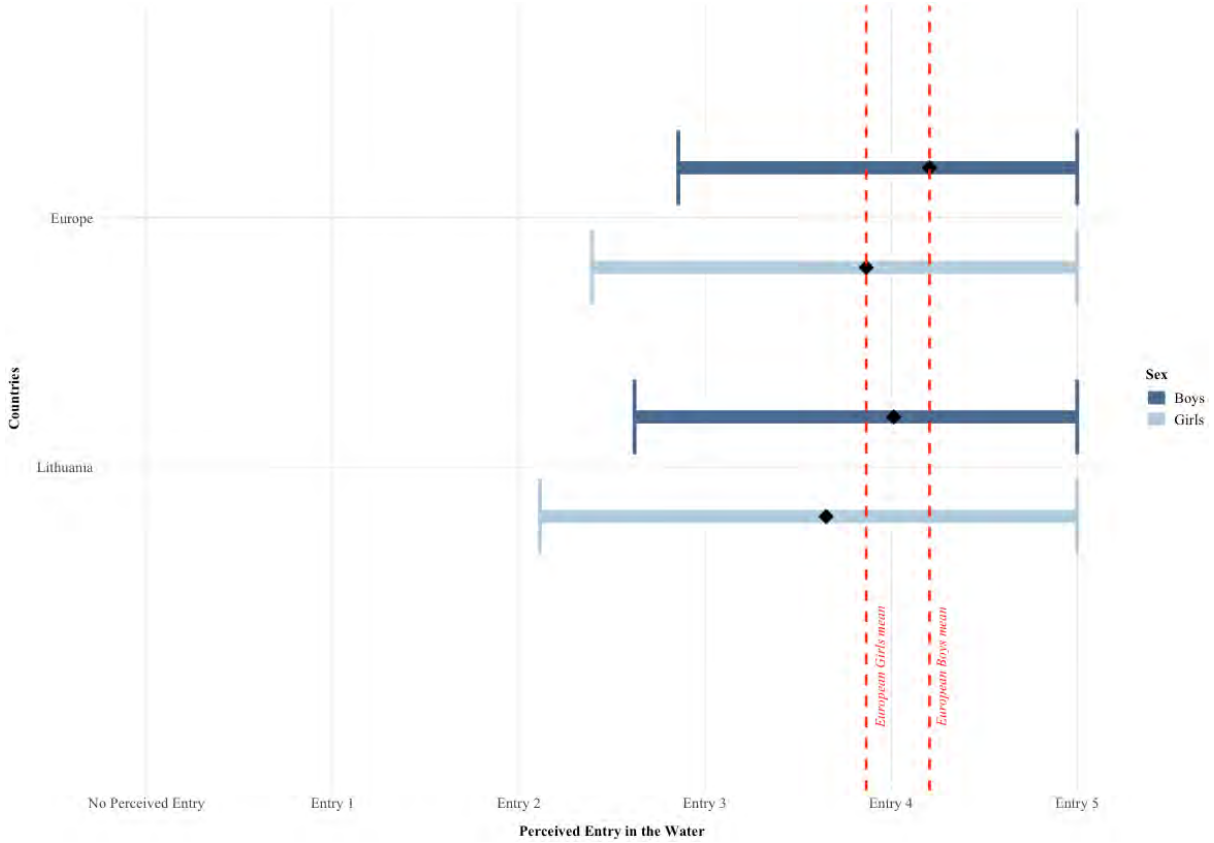


Figure 409. Distribution of the Perceived Entry in the Water according to the Sex in Europe and in Lithuania (Mean±SD).

Table 704. Comparative Analysis of the Perceived Entry in the Water in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	136	1,261	0.02 *	0.05	0.22
	Girls	132	1,266	0.07	0.04	0.17

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 705. Comparative Analysis of the Perceived Entry in the Water in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	136	132	0.03 *	0.12	0.53

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

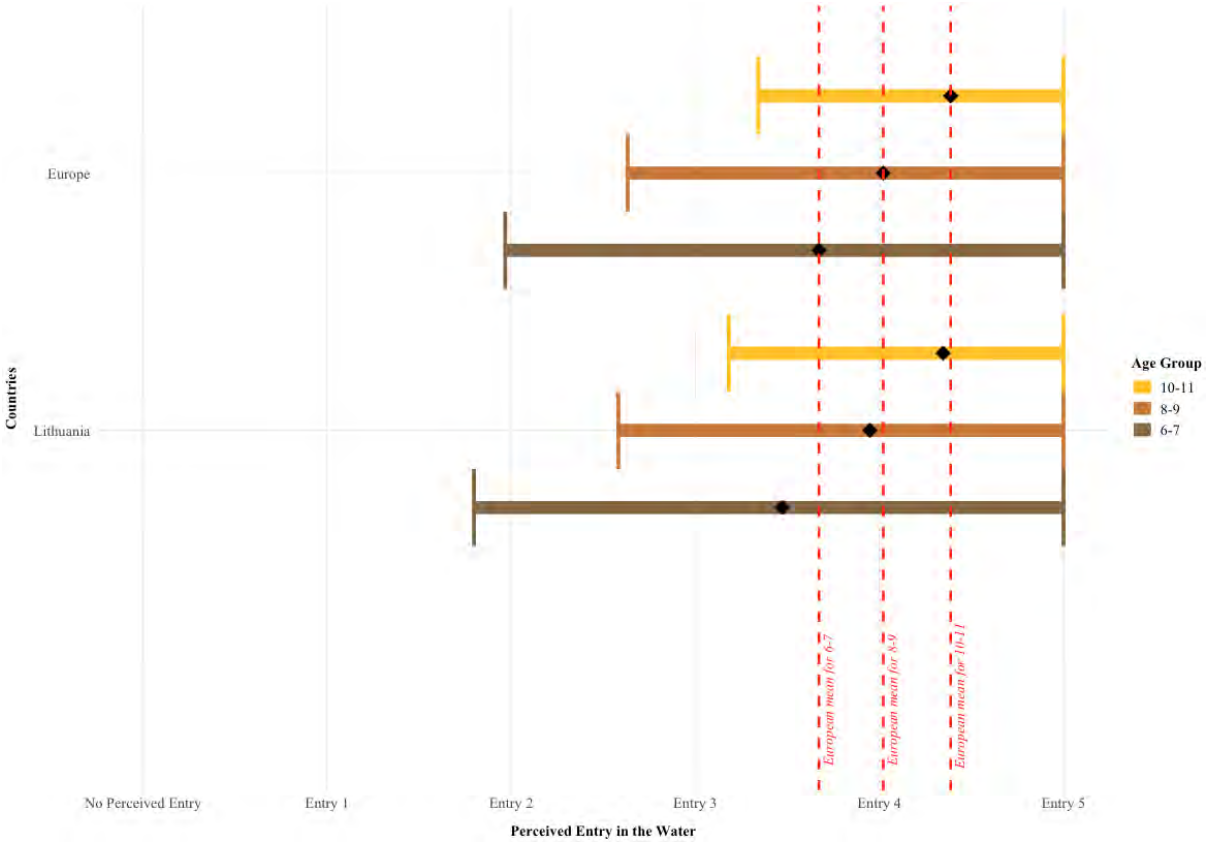


Figure 410. Distribution of the Perceived Entry in the Water according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 706. Comparative Analysis of the Perceived Entry in the Water in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	85	752	0.09	0.05	0.16
	8-9 yo	157	951	0.37	0.02	0.09
	10-11 yo	26	824	0.88	0.004	0.05

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 707. Comparative Analysis of the Perceived Entry in the Water in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	85	157		0.02 *	0.13	0.53
	8-9 yo *vs* 10-11 yo		157	26	0.13	0.1	0.16
	6-7 yo *vs* 10-11 yo	85		26	0.008 **	0.24	0.59

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

2. Perceived exit from the water

Overview

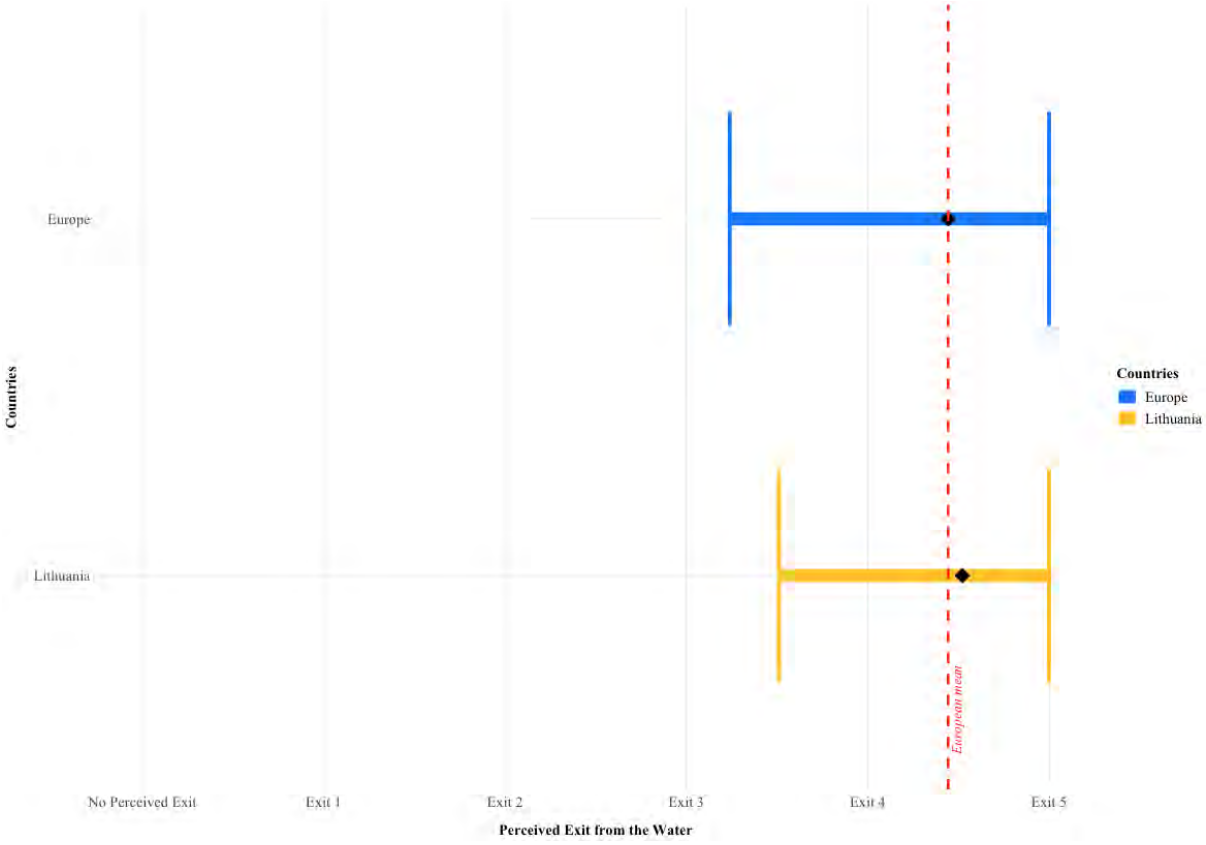


Figure 411. Distribution of the Perceived Exit from the Water in Europe and in Lithuania (Mean±SD).

Table 708. Comparative Analysis of the Perceived Exit from the Water in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	278	2,547	0.77	0.008	0.05

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

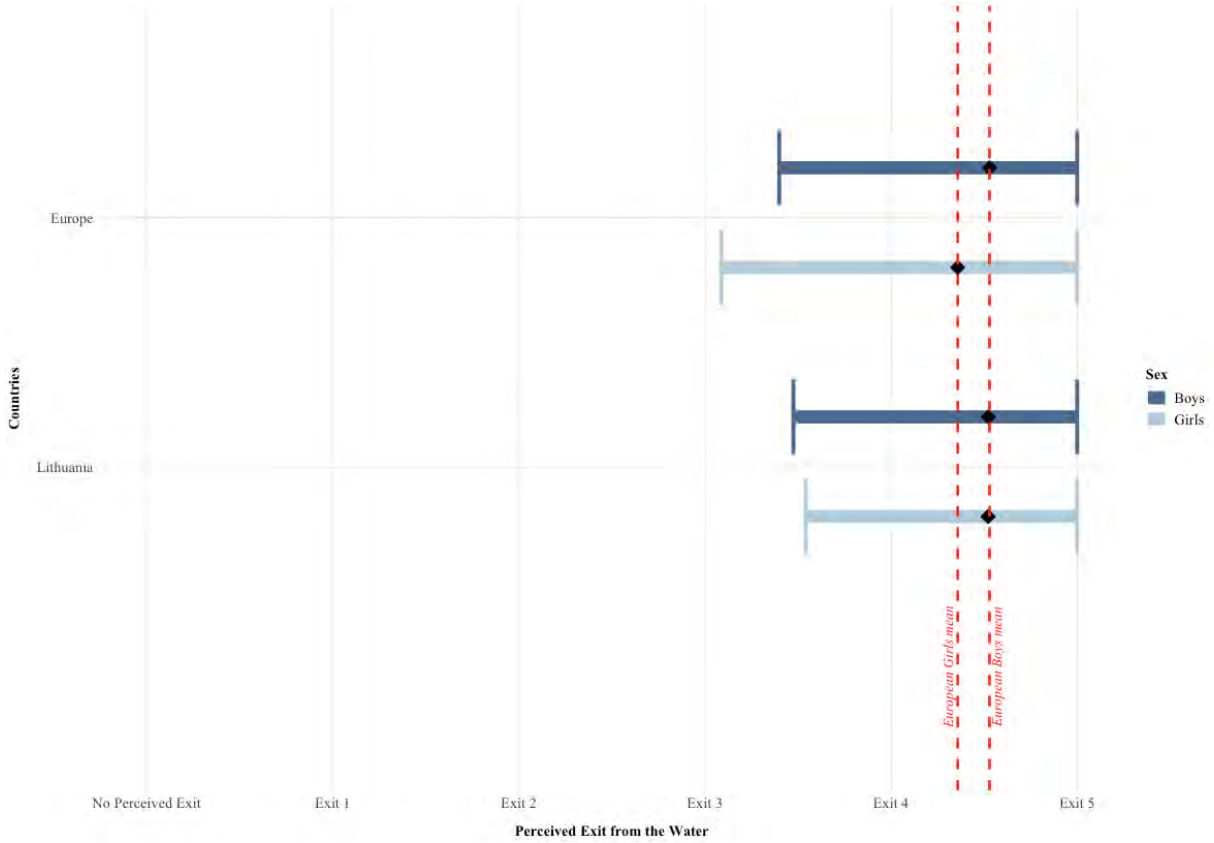


Figure 412. Distribution of the Perceived Exit from the Water according to the Sex in Europe and in Lithuania (Mean±SD).

Table 709. Comparative Analysis of the Perceived Exit from the Water in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	136	1,270	0.25	0.02	0.08
	Girls	142	1,277	0.5	0.01	0.06

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 710. Comparative Analysis of the Perceived Exit from the Water in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	136	142	0.92	0.004	0.05

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

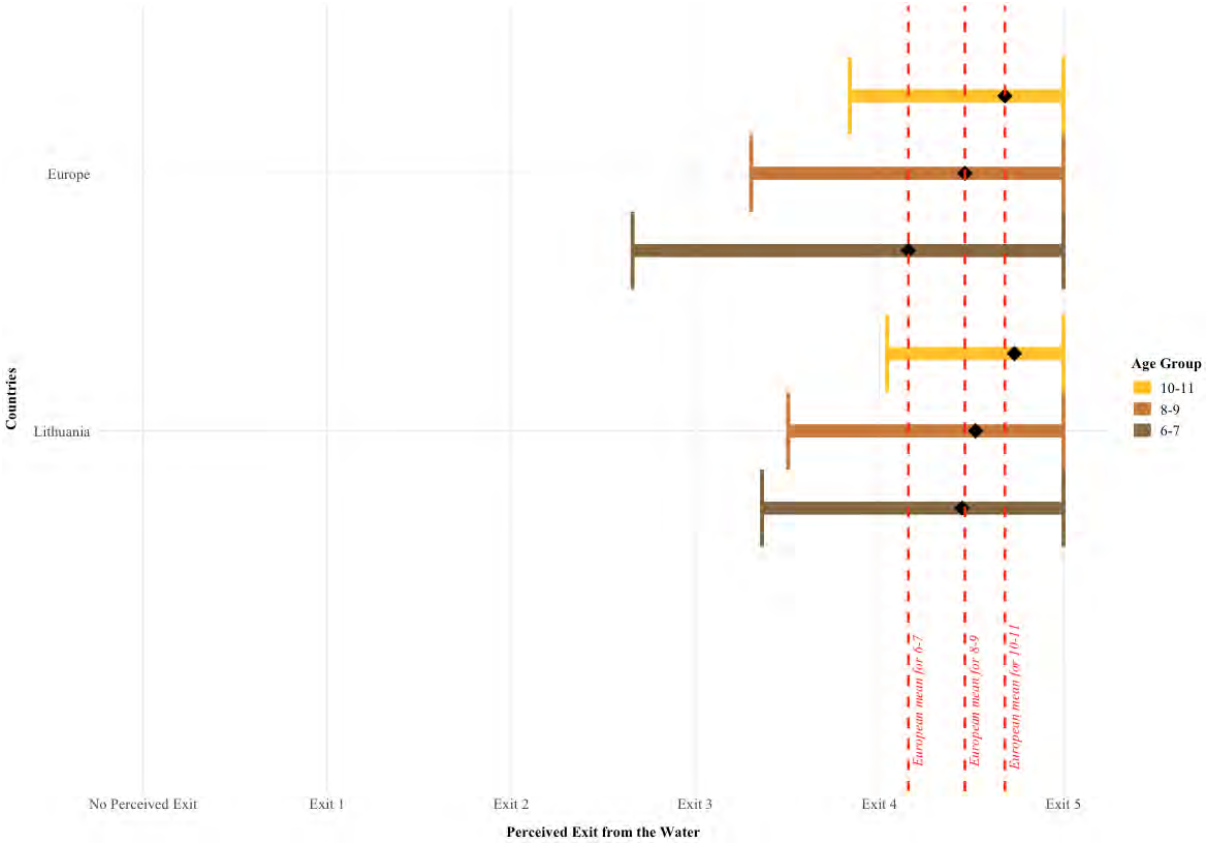


Figure 413. Distribution of the Perceived Exit from the Water ccording to the Age Group in Europe and in Lithuania (Mean±SD).

Table 711. Comparative Analysis of the Perceived Exit from the Water in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	89	761	0.44	0.02	0.07
	8-9 yo	159	960	0.95	0.001	0.05
	10-11 yo	30	826	0.97	0.0007	0.05

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 712. Comparative Analysis of the Perceived Exit from the Water in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	89	159		0.46	0.04	0.08
	8-9 yo *vs* 10-11 yo		159	30	0.32	0.05	0.08
	6-7 yo *vs* 10-11 yo	89		30	0.17	0.1	0.15

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

3. Perceived rotations

Overview

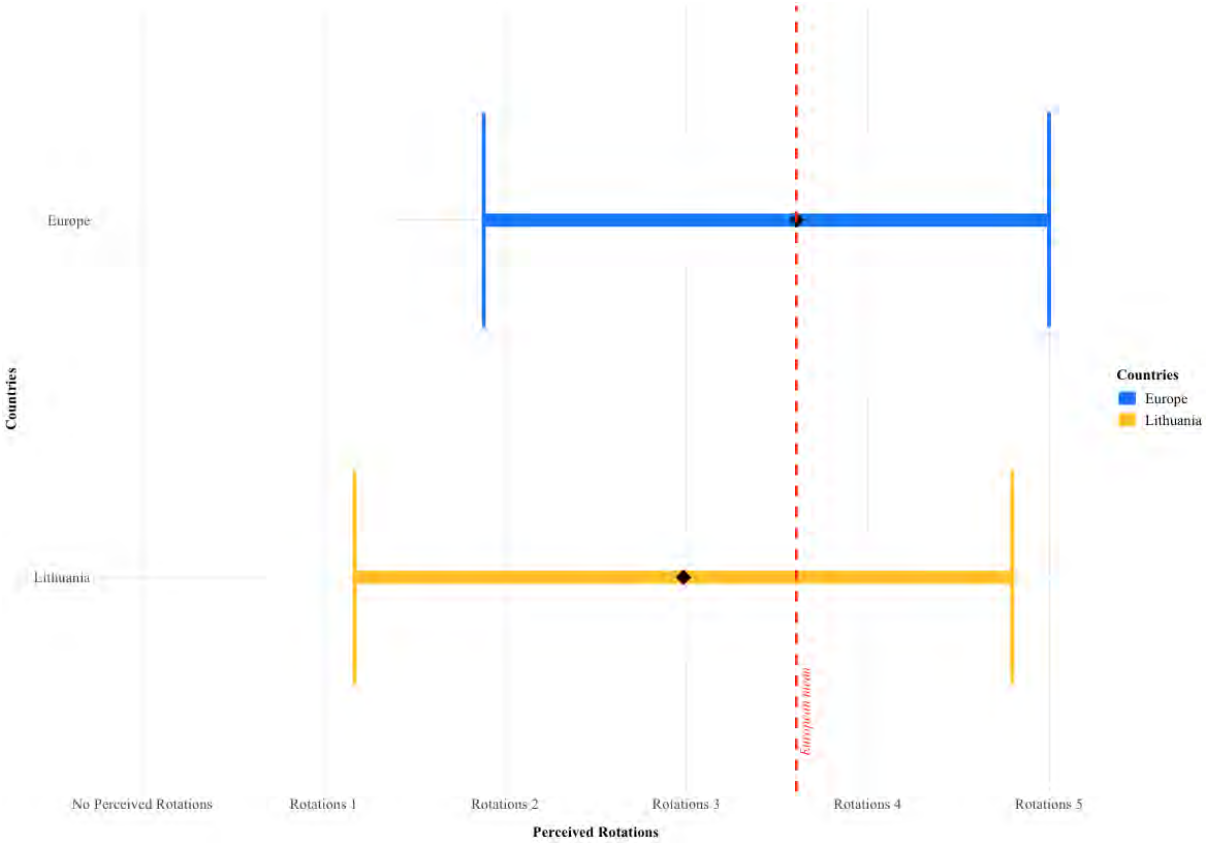


Figure 414. Distribution of the Perceived Rotations in Europe and in Lithuania (Mean±SD).

Table 713. Comparative Analysis of the Perceived Rotations in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	185	2,433	4.97^{e-07} ***	0.18	0.68

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

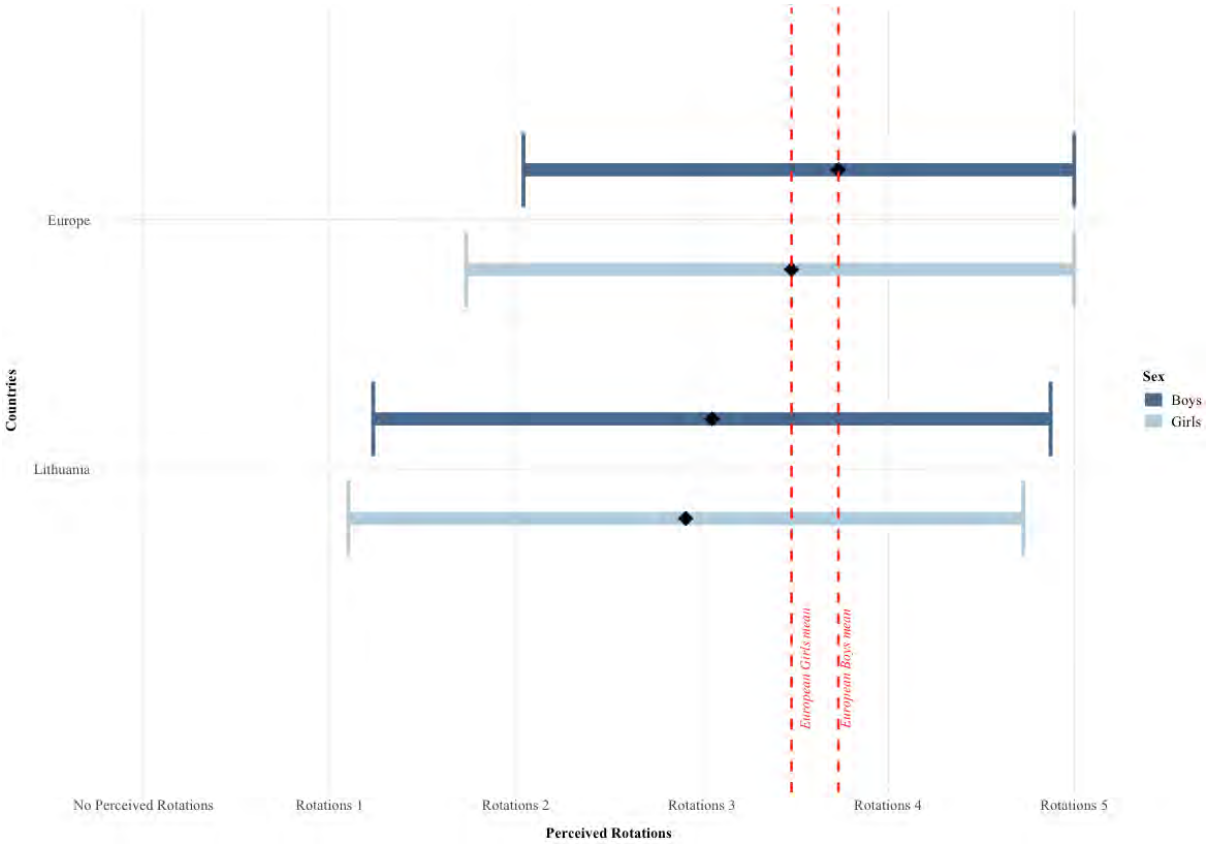


Figure 415. Distribution of the Perceived Rotations according to the Sex in Europe and in Lithuania (Mean±SD).

Table 714. Comparative Analysis of the Perceived Rotations in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	93	1,213	3.3^{e-05} ***	0.11	0.51
	Girls	92	1,220	0.002 **	0.08	0.32

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 715. Comparative Analysis of the Perceived Rotations in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	93	92	0.62	0.03	0.08

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

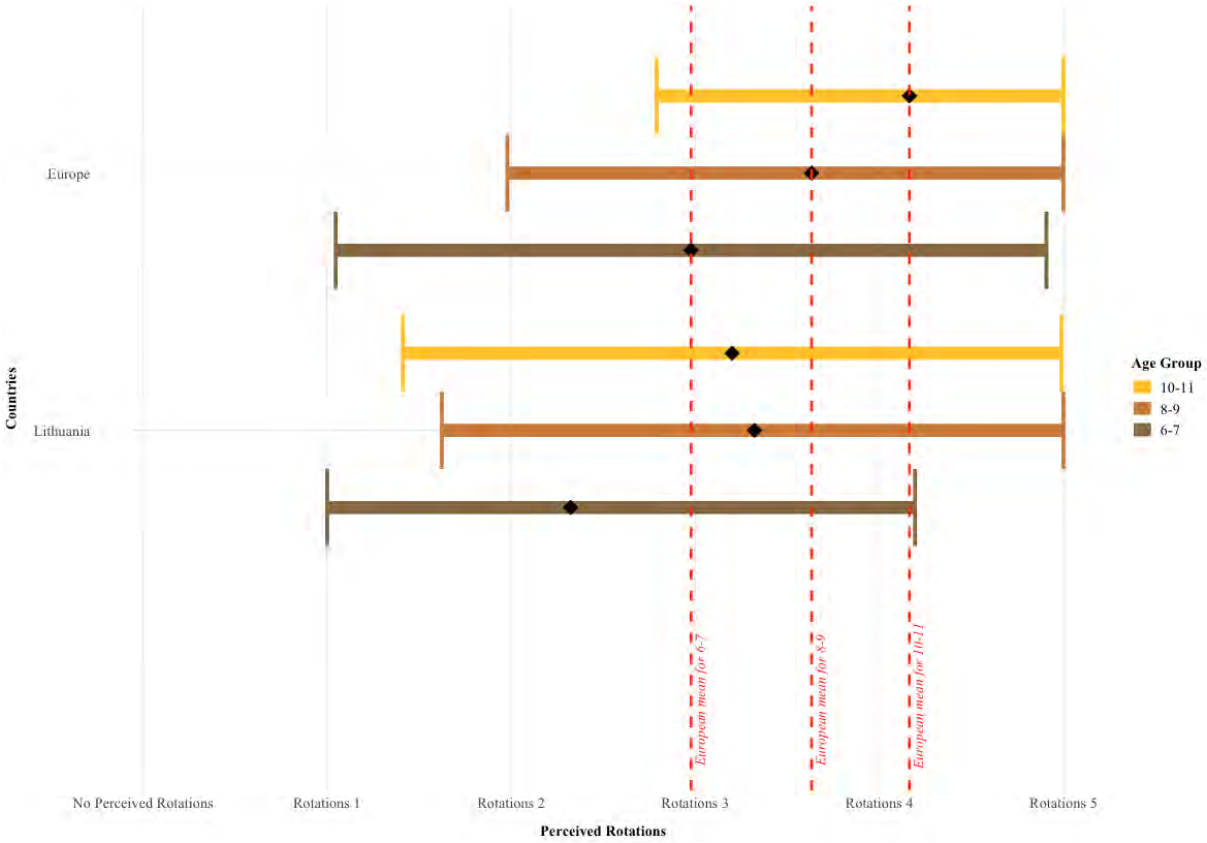


Figure 416. Distribution of the Perceived Rotations according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 716. Comparative Analysis of the Perceived Rotations in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	62	730	0.008 **	0.09	0.28
	8-9 yo	118	917	0.03 *	0.06	0.25
	10-11 yo	5	786	0.15	0.04	0.05

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 717. Comparative Analysis of the Perceived Rotations in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	62	118		6[e-4] ***	0.25	0.91
	8-9 yo *vs* 10-11 yo		118	5	0.87	0.01	0.05
	6-7 yo *vs* 10-11 yo	62		5	0.3	0.13	0.08

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

4. Perceived breathing

Overview

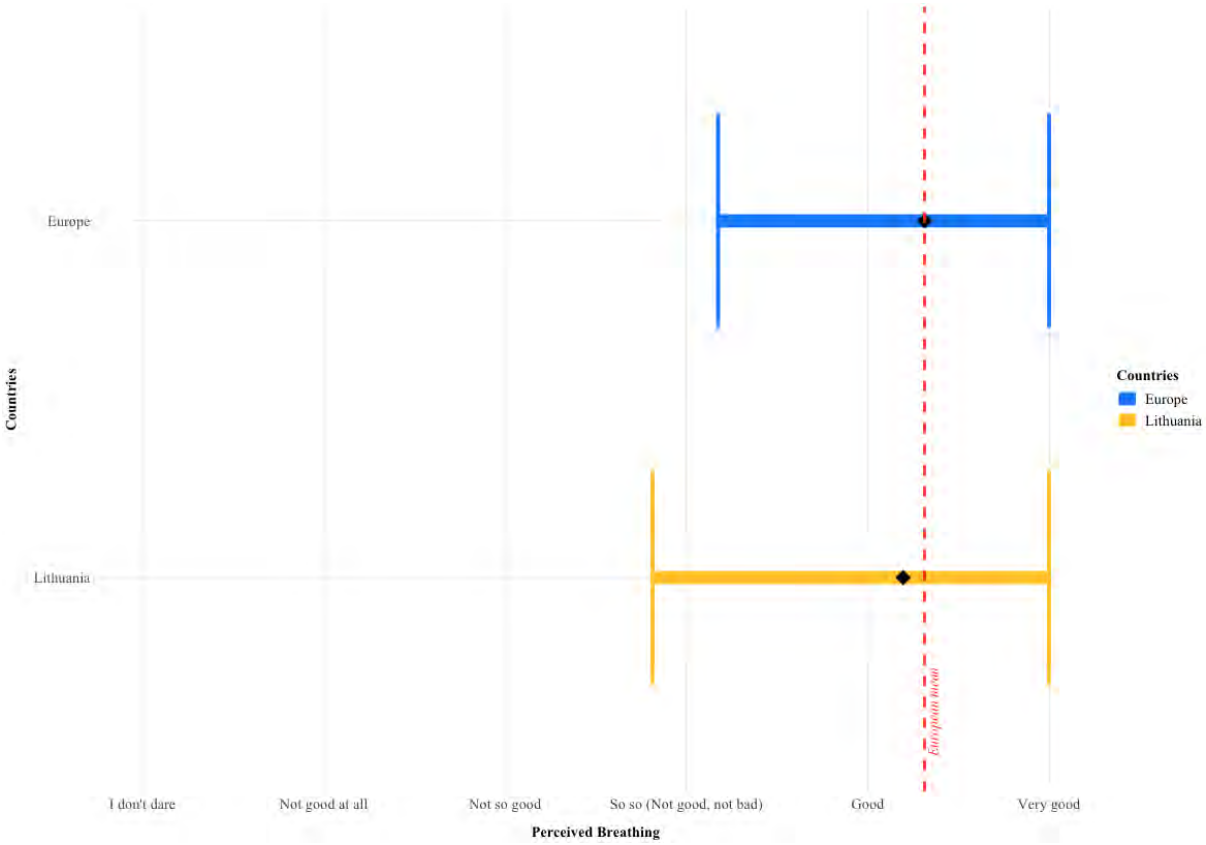


Figure 417. Distribution of the Perceived Breathing in Europe and in Lithuania (Mean±SD).

Table 718. Comparative Analysis of the Perceived Breathing in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	282	2,556	0.62	0.02	0.06

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

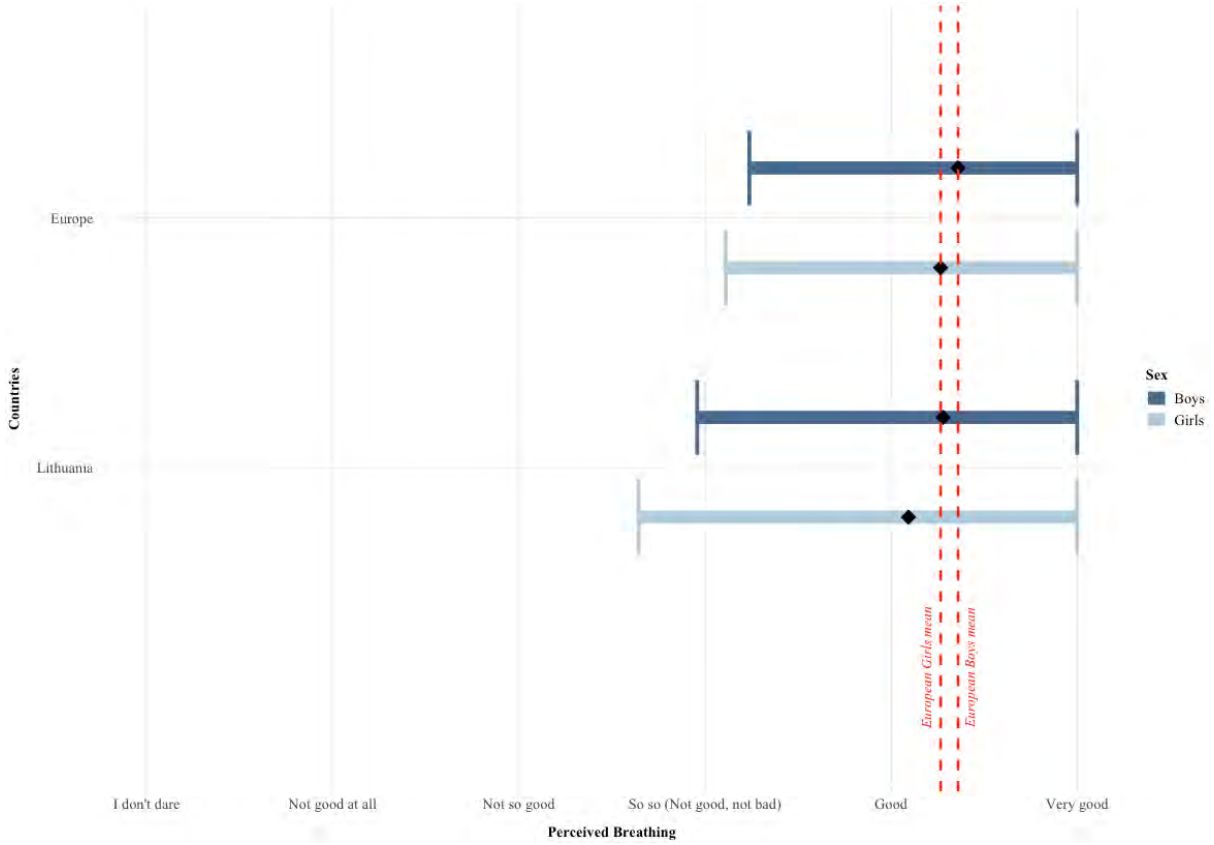


Figure 418. Distribution of the Perceived Breathing according to the Sex in Europe and in Lithuania (Mean±SD).

Table 719. Comparative Analysis of the Perceived Breathing in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	154	1,279	0.51	0.01	0.06
	Girls	128	1,277	0.92	0.002	0.05

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 720. Comparative Analysis of the Perceived Breathing in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	154	128	0.17	0.07	0.21

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

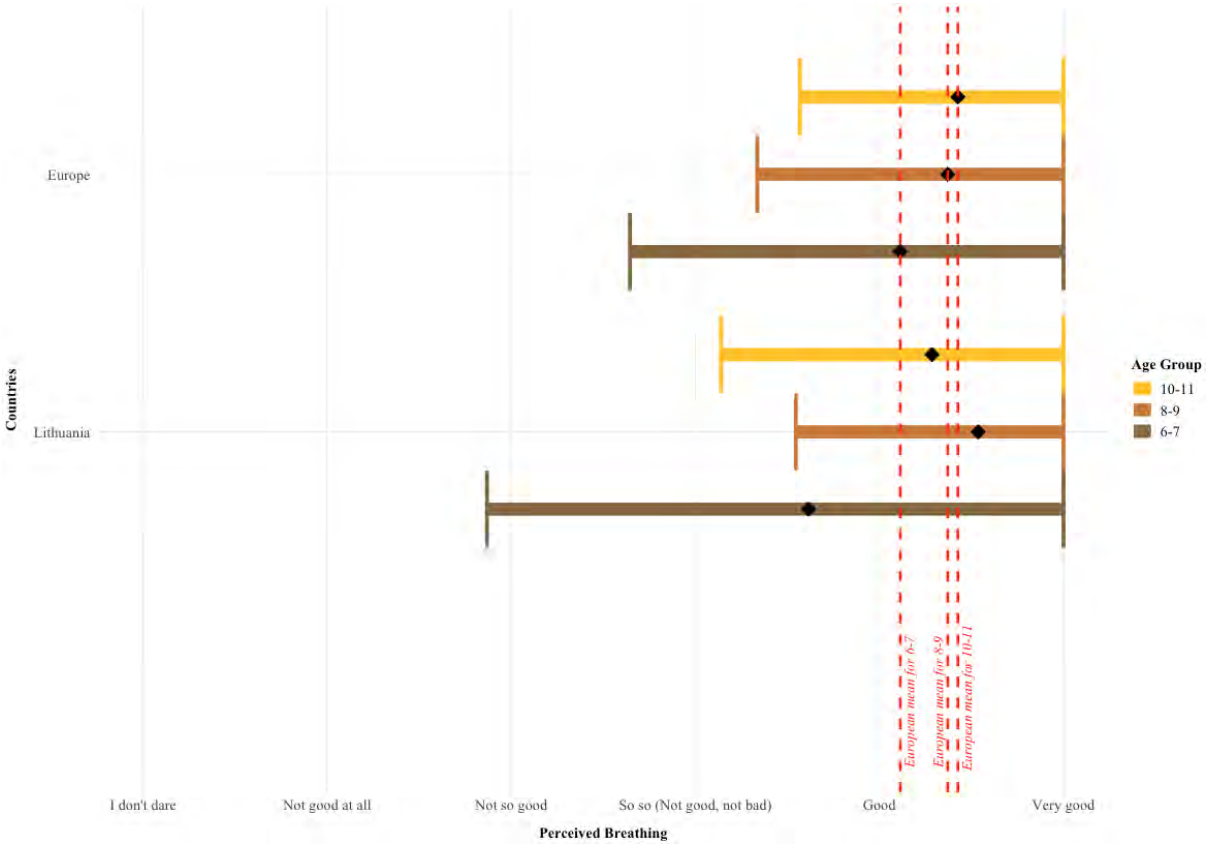


Figure 419. Distribution of the Perceived Breathing according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 721. Comparative Analysis of the Perceived Breathing in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* **Europe**	6-7 yo	99	750	0.01 *	0.08	0.3
	8-9 yo	162	978	0.004 **	0.07	0.4
	10-11 yo	21	828	0.92	0.003	0.05

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 722. Comparative Analysis of the Perceived Breathing in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	99	162		7.6^{e-06} ***	0.23	0.96
	8-9 yo *vs* 10-11 yo		162	21	0.19	0.07	0.1
	6-7 yo *vs* 10-11 yo	99		21	0.18	0.11	0.15

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

5. Perceived treading water

Overview

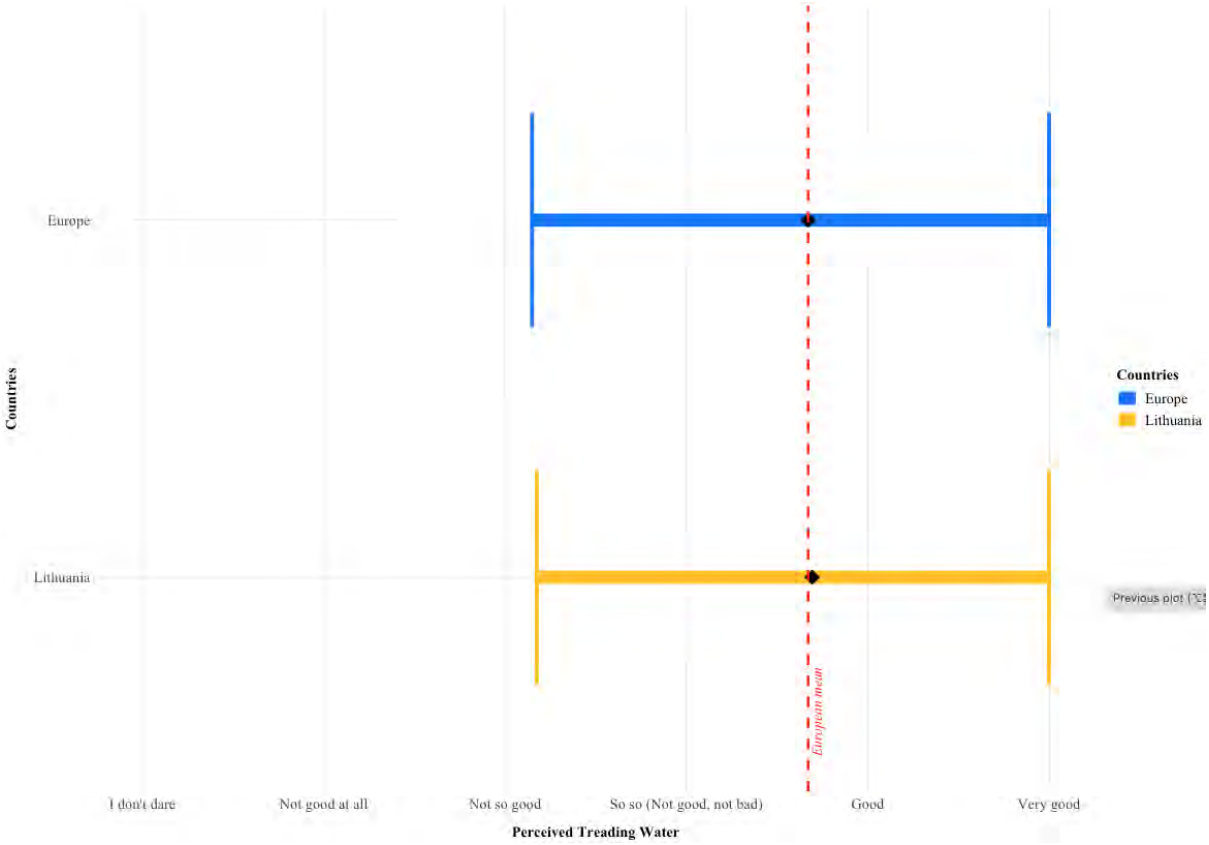


Figure 420. Distribution of the Perceived Treading Water in Europe and in Lithuania (Mean±SD).

Table 723. Comparative Analysis of the Perceived Treading Water at School in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	323	2,521	0.64	0.02	0.06

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

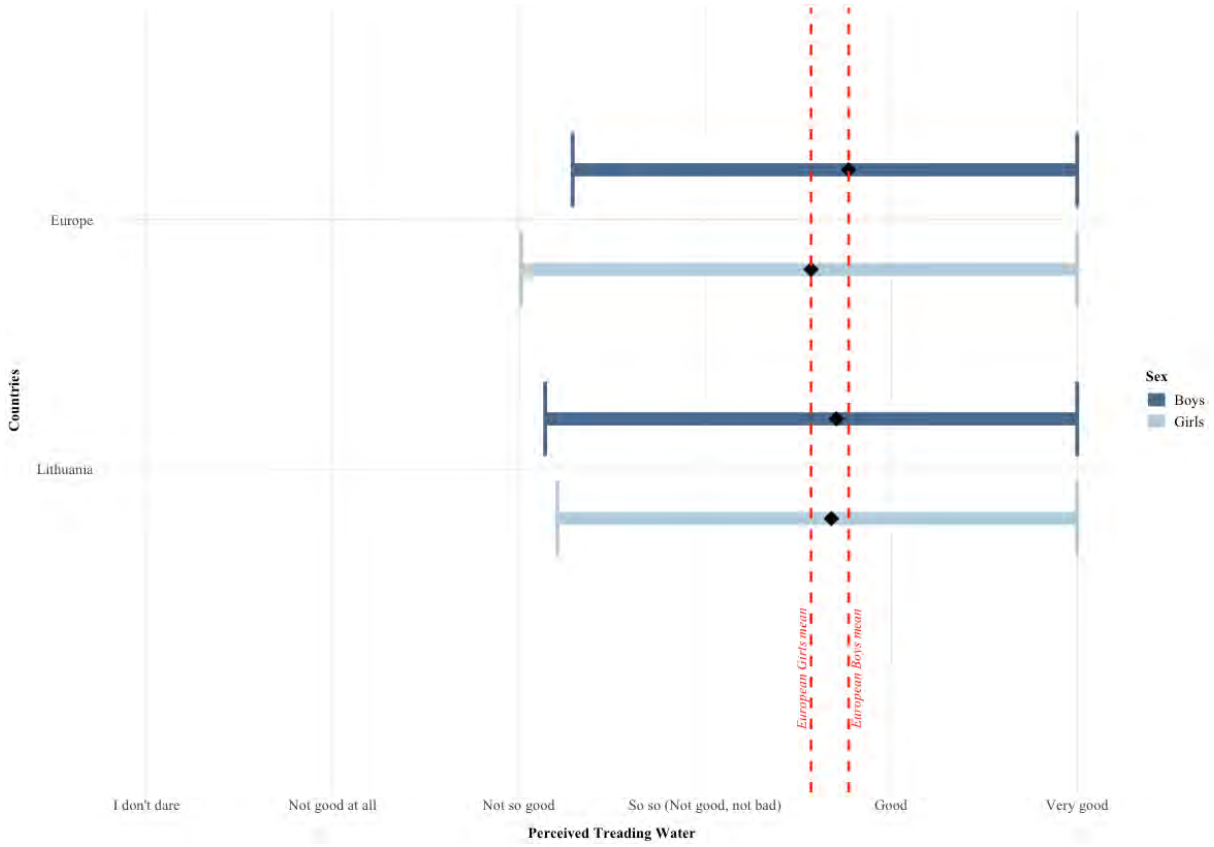


Figure 421. Distribution of the Perceived Treading Water according to the Sex in Europe and in Lithuania (Mean±SD).

Table 724. Comparative Analysis of the Perceived Treading Water in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	167	1,265	0.95	0.002	0.05
	Girls	156	1,256	0.46	0.02	0.07

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 725. Comparative Analysis of the Perceived Treading Water in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	167	156	0.57	0.03	0.08

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

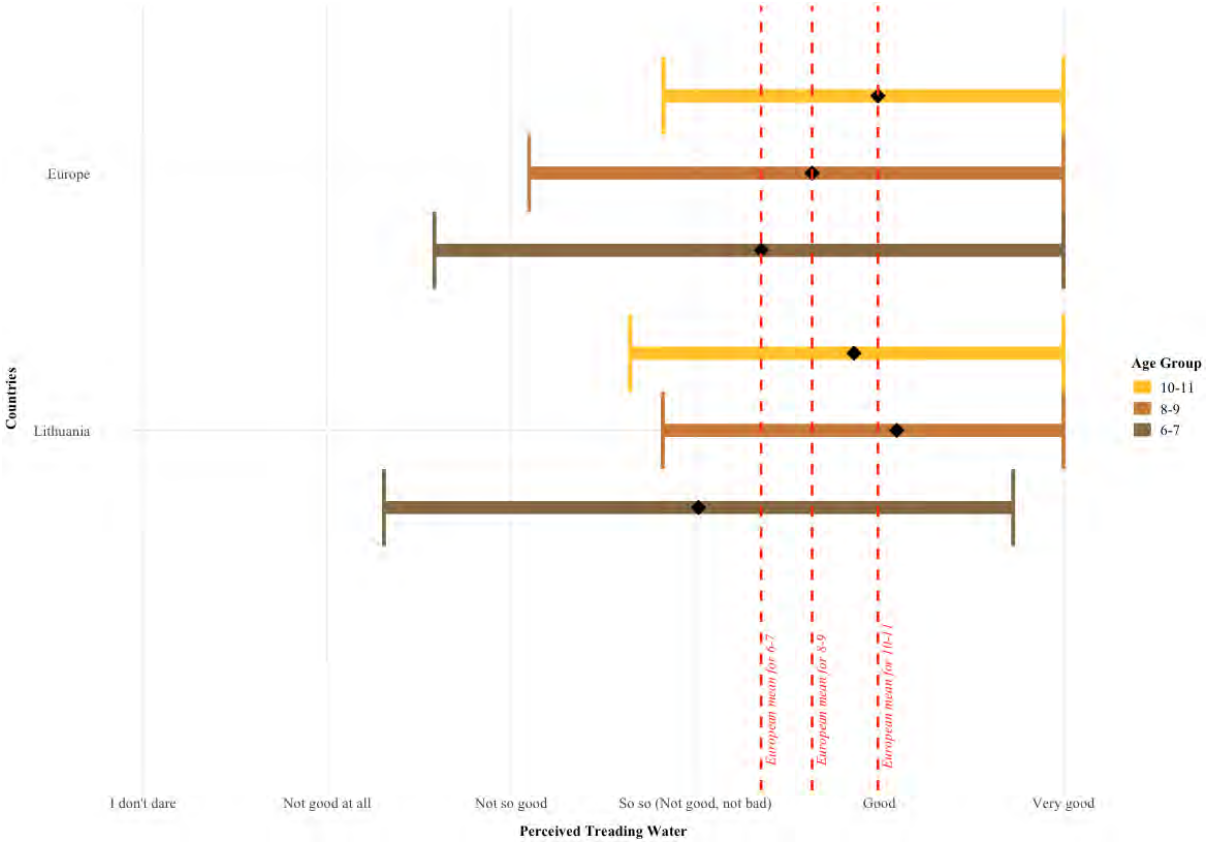


Figure 422. Distribution of the Perceived Treading Water according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 726. Comparative Analysis of the Perceived Treading Water in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	114	733	0.03 *	0.07	0.28
	8-9 yo	180	957	1.42^{e-04} ***	0.11	0.76
	10-11 yo	29	831	0.55	0.02	0.05

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 727. Comparative Analysis of the Perceived Treading Water in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	114	180		4.81^{e-08} ***	0.3	1
	8-9 yo *vs* 10-11 yo		180	29	0.16	0.09	0.14
	6-7 yo *vs* 10-11 yo	114		29	0.02 *	0.18	0.43

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

6. Perceived propulsion on the back

Overview

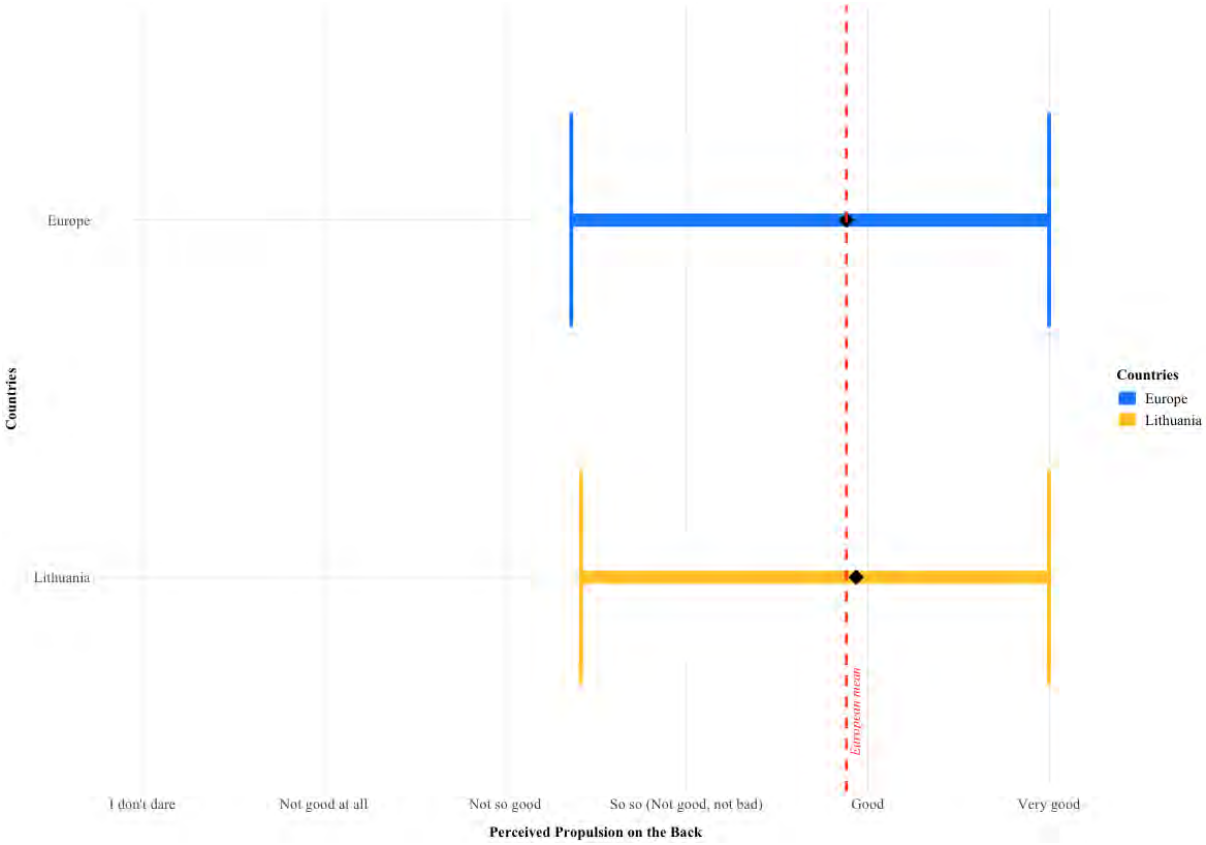


Figure 423. Distribution of the Perceived Propulsion on the Back in Europe and in Lithuania (Mean±SD).

Table 728. Comparative Analysis of the Perceived Propulsion on the Back in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	282	2,520	0.24	0.04	0.1

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

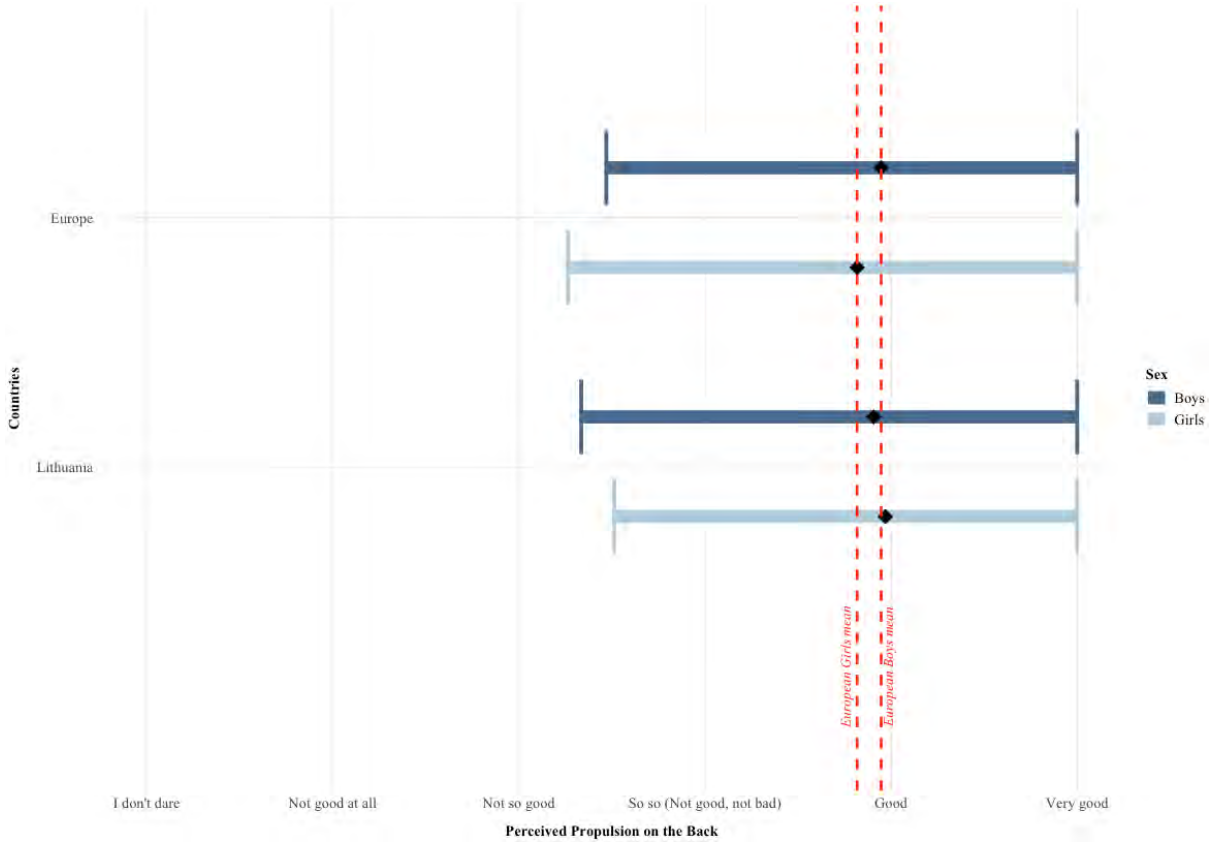


Figure 424. Distribution of the Perceived Propulsion on the Back according to the Sex in Europe and in Lithuania (Mean±SD).

Table 729. Comparative Analysis of the Perceived Propulsion on the Back in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	151	1,258	0.69	0.01	0.06
	Girls	131	1,262	0.21	0.03	0.1

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 730. Comparative Analysis of the Perceived Propulsion on the Back in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	151	131	0.97	0.002	0.05

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

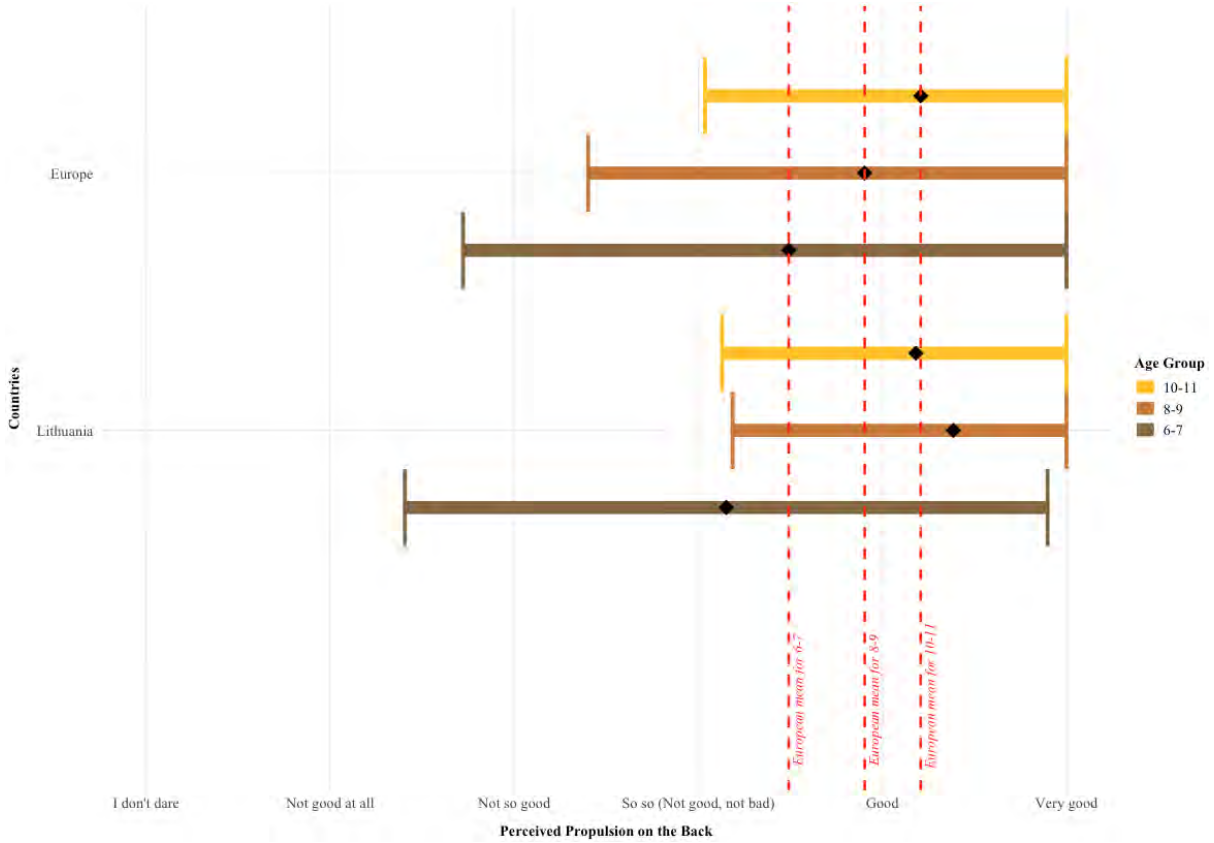


Figure 425. Distribution of the Perceived Propulsion on the Back according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 731. Comparative Analysis of the Perceived Propulsion on the Back in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	99	741	0.07	0.06	0.19
	8-9 yo	161	953	3.5^{e-05} ***	0.11	0.75
	10-11 yo	22	826	0.77	0.009	0.05

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 732. Comparative Analysis of the Perceived Propulsion on the Back in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	99	161		2.87^{e-09} ***	0.33	1
	8-9 yo *vs* 10-11 yo		161	22	0.15	0.09	0.12
	6-7 yo *vs* 10-11 yo	99		22	0.01 *	0.21	0.44

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

7. Perceived propulsion on the belly

Overview

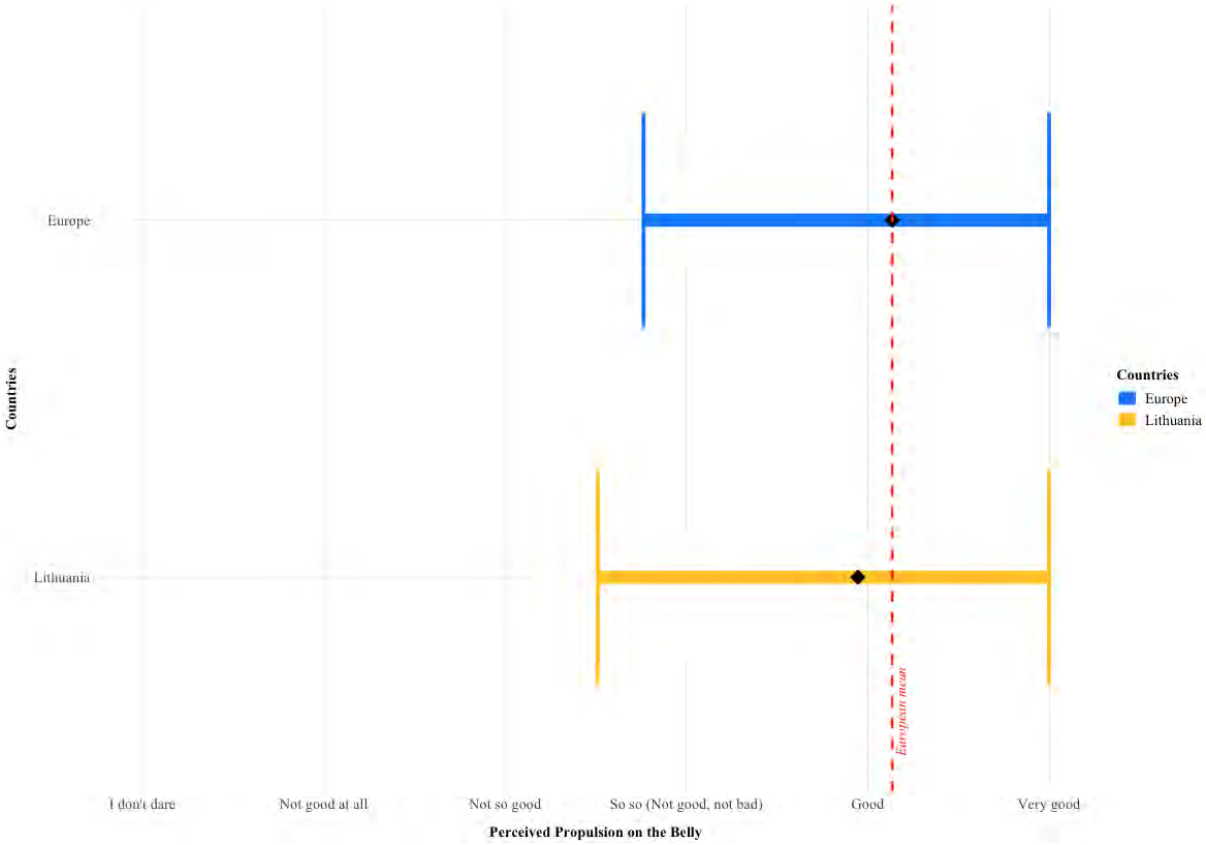


Figure 426. Distribution of the Perceived Propulsion on the Belly in Europe and in Lithuania (Mean±SD).

Table 733. Comparative Analysis of the Perceived Propulsion on the Belly in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	277	2,520	0.01 *	0.09	0.27

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

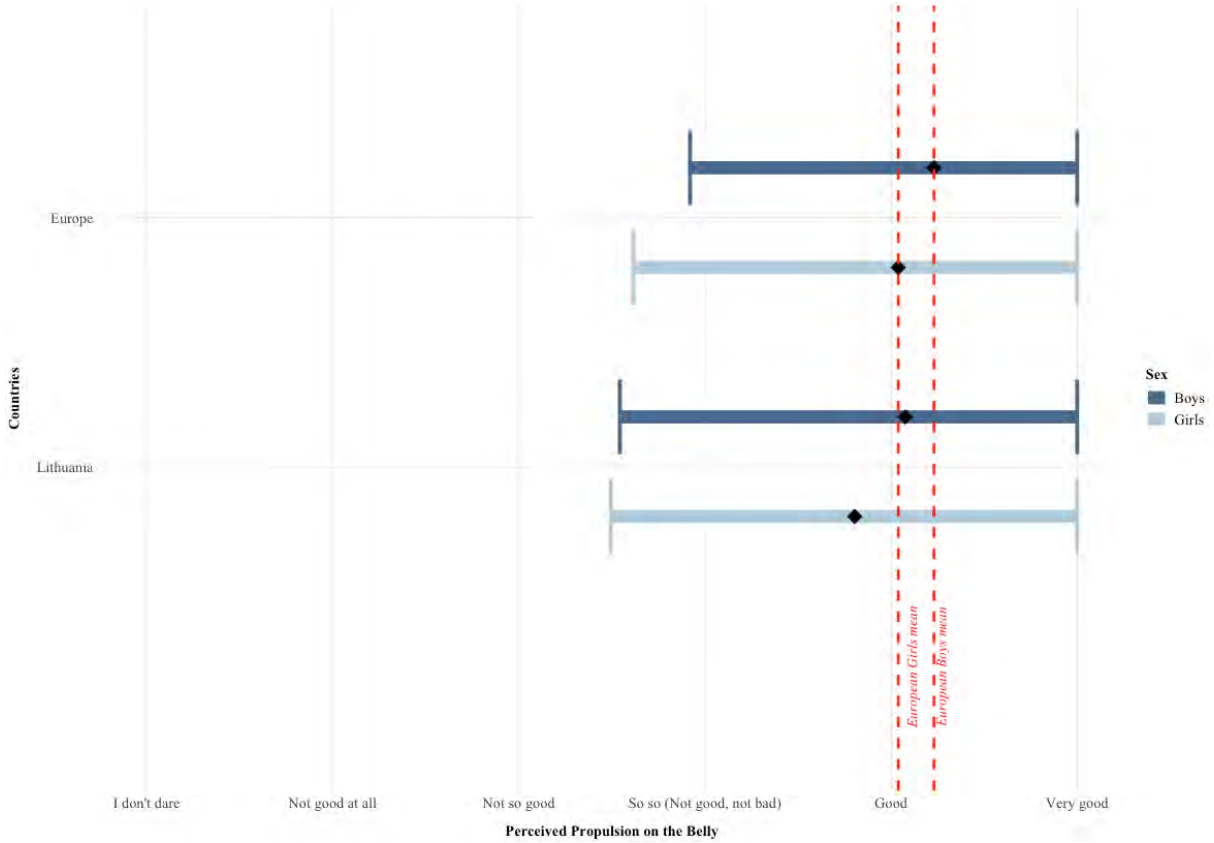


Figure 427. Distribution of the Perceived Propulsion on the Belly according to the Sex in Europe and in Lithuania (Mean±SD).

Table 734. Comparative Analysis of the Perceived Propulsion on the Belly in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	144	1,258	0.74	0.007	0.05
	Girls	133	1,262	0.001 **	0.08	0.41

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 735. Comparative Analysis of the Perceived Propulsion on the Belly in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	144	133	0.001 **	0.18	0.85

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

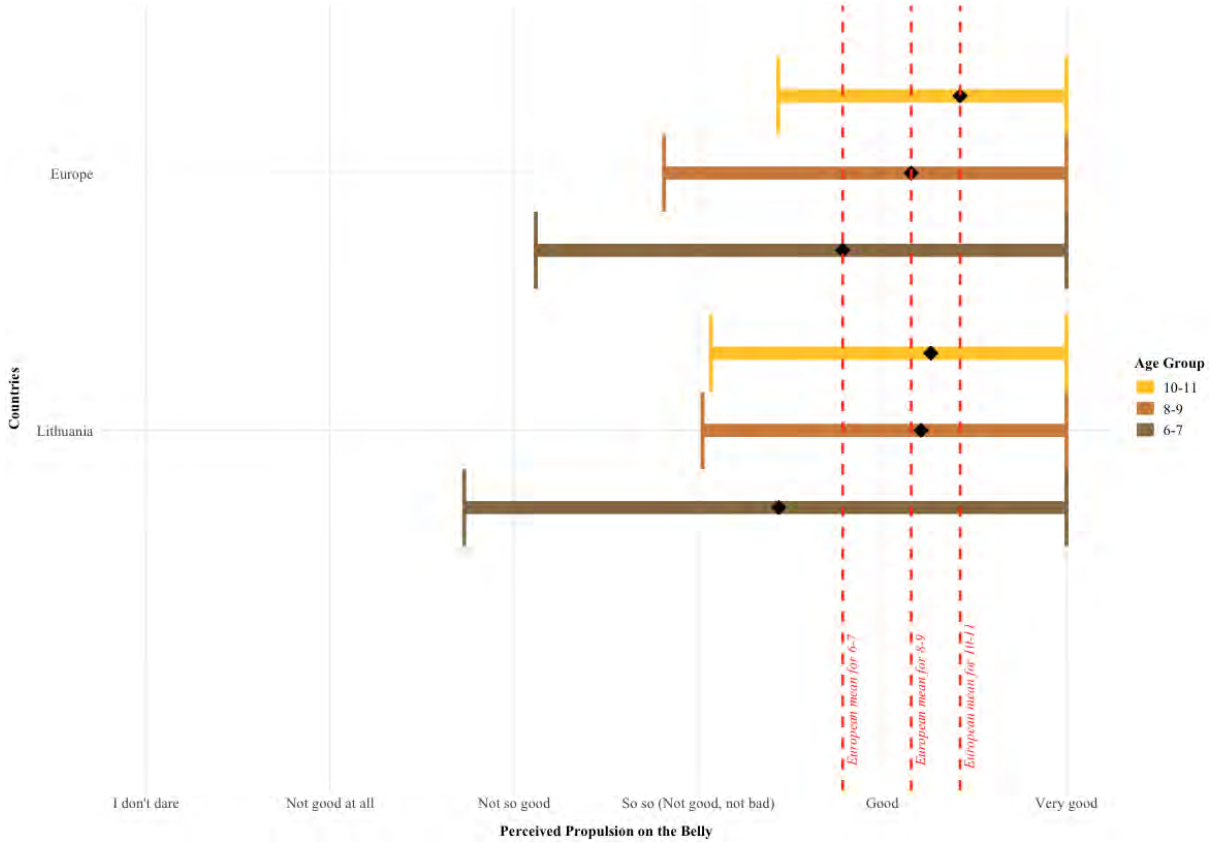


Figure 428. Distribution of the Perceived Propulsion on the Belly according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 736. Comparative Analysis of the Perceived Propulsion on the Belly in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	96	737	0.03 *	0.07	0.25
	8-9 yo	162	959	0.71	0.01	0.06
	10-11 yo	19	824	0.73	0.01	0.05

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 737. Comparative Analysis of the Perceived Propulsion on the Belly in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	96	162		5.8^{e-04} ***	0.2	0.88
	8-9 yo *vs* 10-11 yo		162	19	0.74	0.02	0.05
	6-7 yo *vs* 10-11 yo	96		19	0.05 *	0.17	0.29

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

8. Perceived submersion

Overview

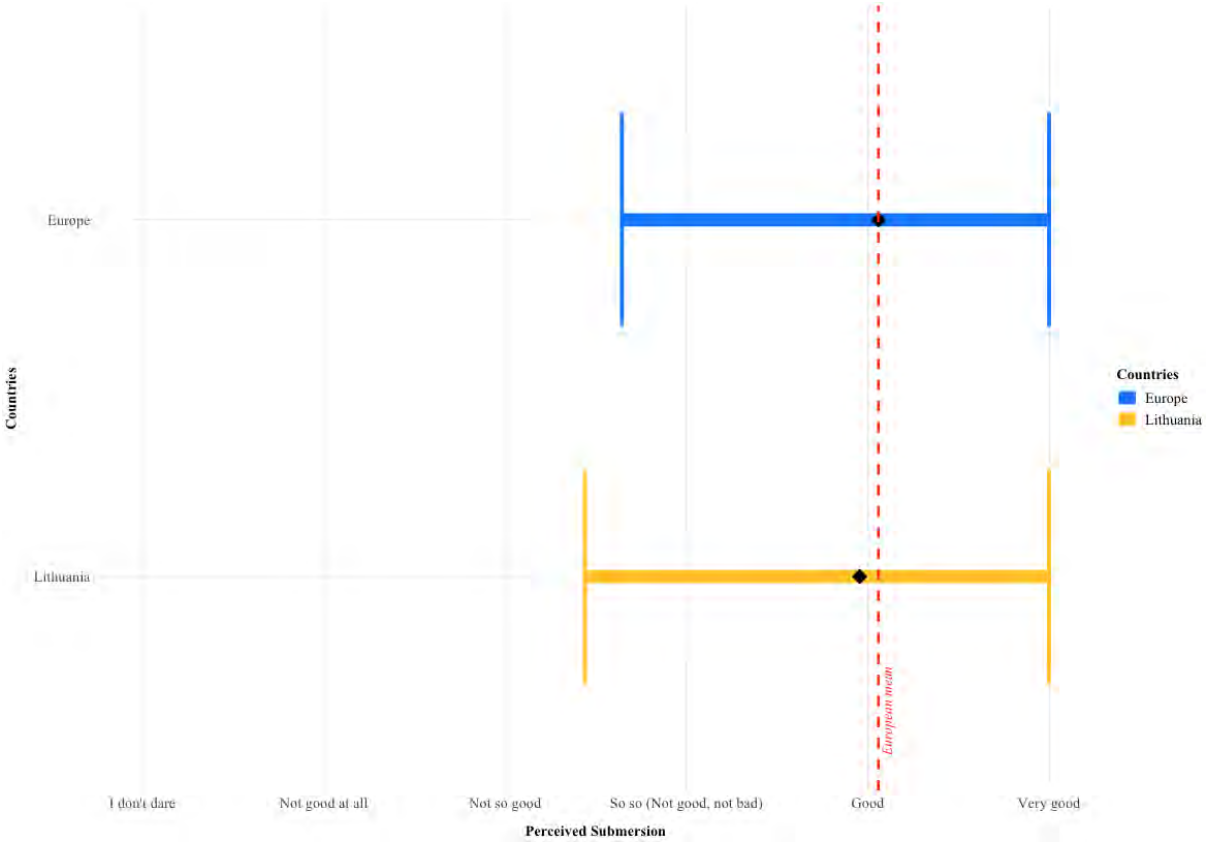


Figure 429. Distribution of the Perceived Submersion in Europe and in Lithuania (Mean±SD).

Table 738. Comparative Analysis of the Perceived Submersion in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	269	2,532	0.7	0.01	0.05

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

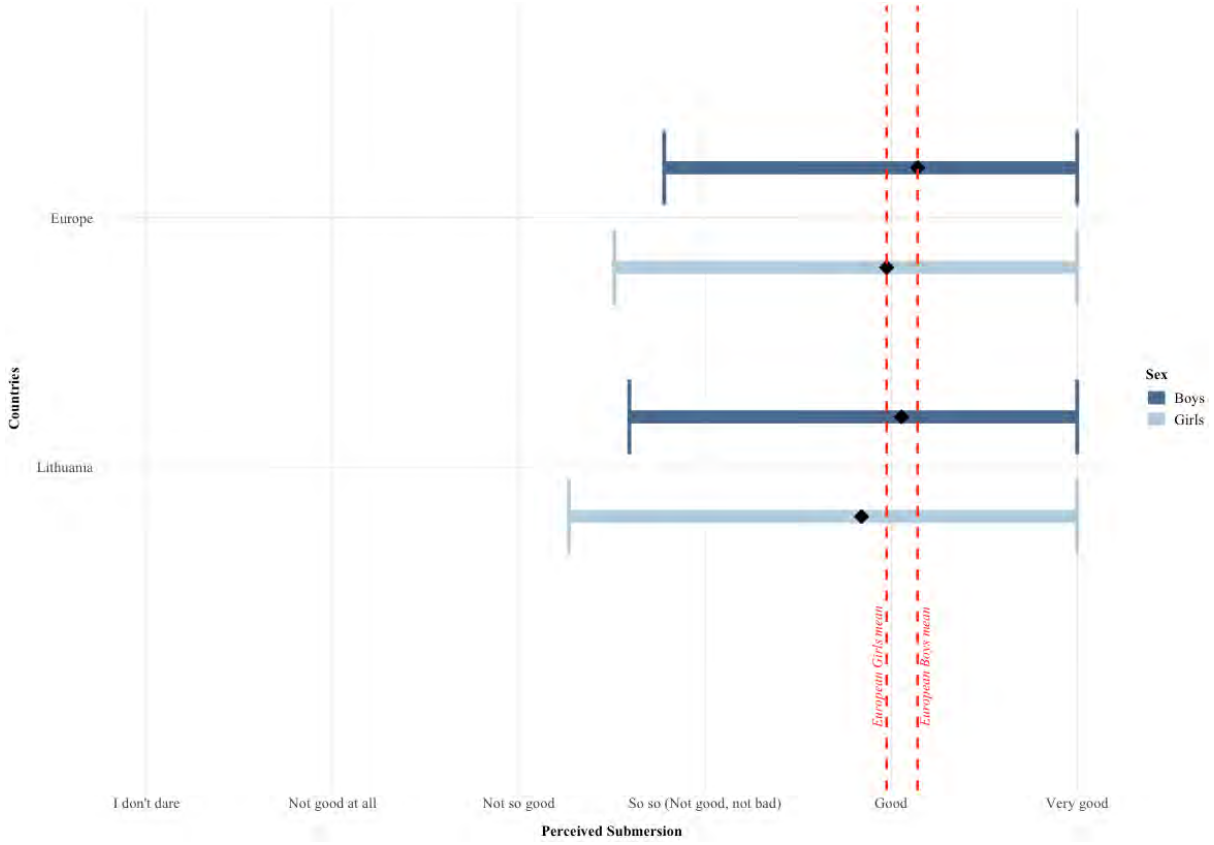


Figure 430. Distribution of the Perceived Submersion according to the Sex in Europe and in Lithuania (Mean±SD).

Table 739. Comparative Analysis of the Perceived Submersion in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	143	1,264	0.91	0.003	0.05
	Girls	126	1,268	0.61	0.01	0.06

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 740. Comparative Analysis of the Perceived Submersion in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	143	126	0.18	0.07	0.23

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

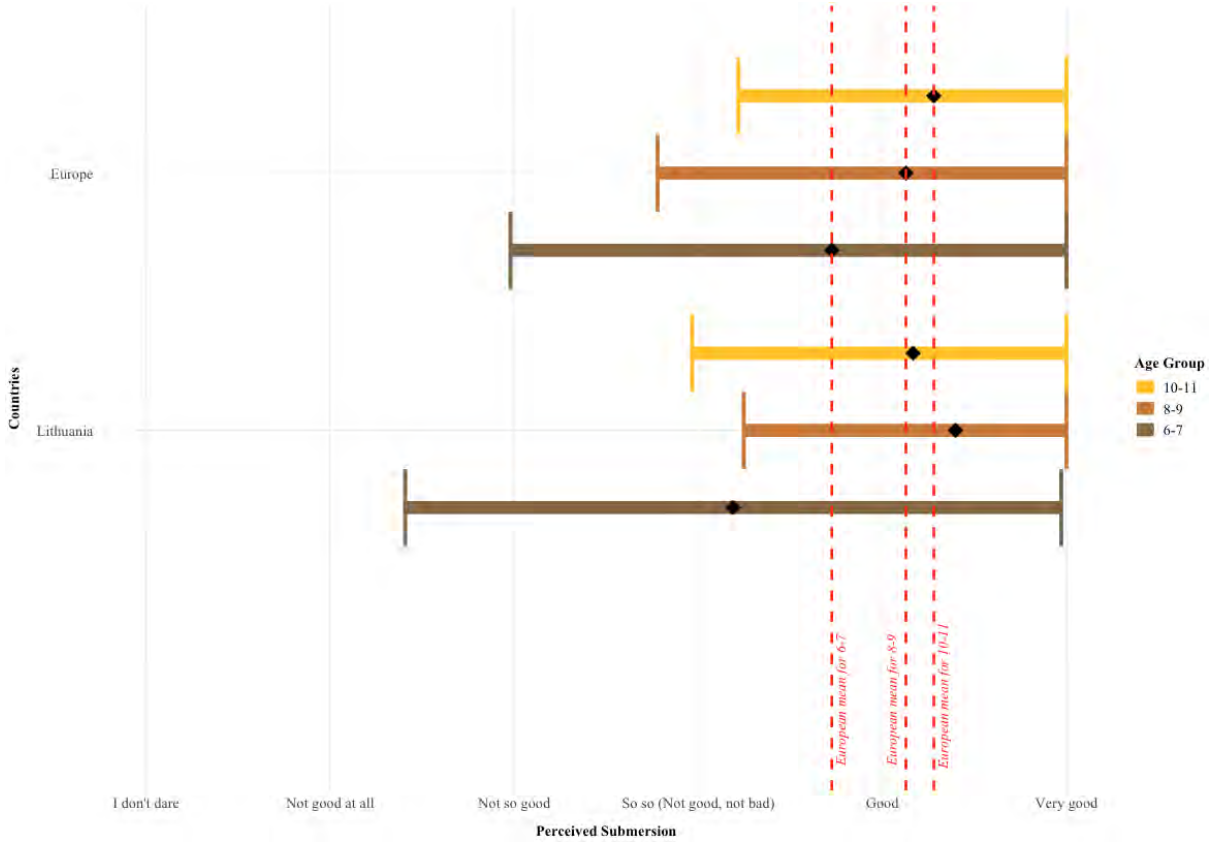


Figure 431. Distribution of the Perceived Submersion according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 741. Comparative Analysis of the Perceived Submersion in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	95	742	0.003 **	0.1	0.42
	8-9 yo	156	963	0.008 **	0.07	0.37
	10-11 yo	18	827	0.8	0.008	0.05

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 742. Comparative Analysis of the Perceived Submersion in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	95	156		1.03^{e-08} ***	0.32	1
	8-9 yo *vs* 10-11 yo		156	18	0.25	0.07	0.09
	6-7 yo *vs* 10-11 yo	95		18	0.04 *	0.18	0.31

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

9. Perceived floating

Overview

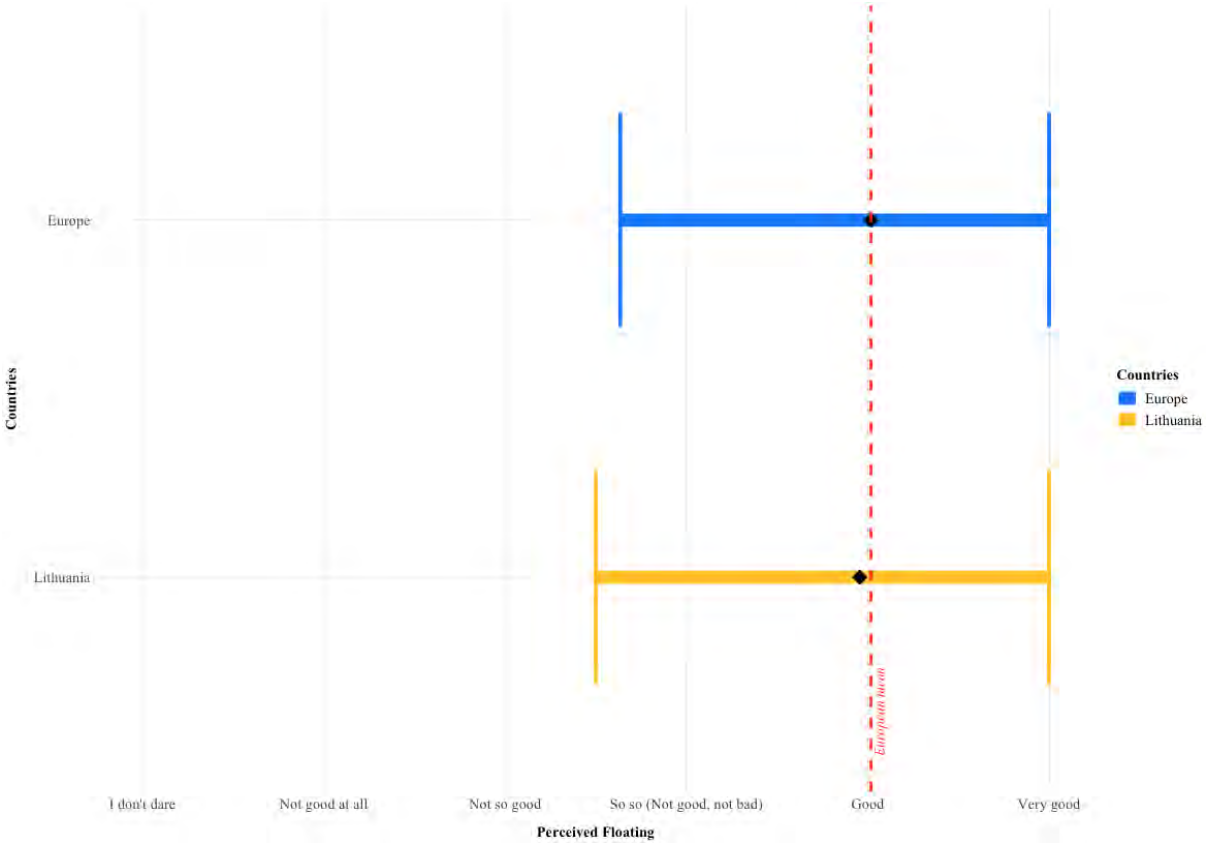


Figure 432. Distribution of the Perceived Floating in Europe and in Lithuania (Mean±SD).

Table 743. Comparative Analysis of the Perceived Floating in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	275	2,535	0.8	0.009	0.05

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

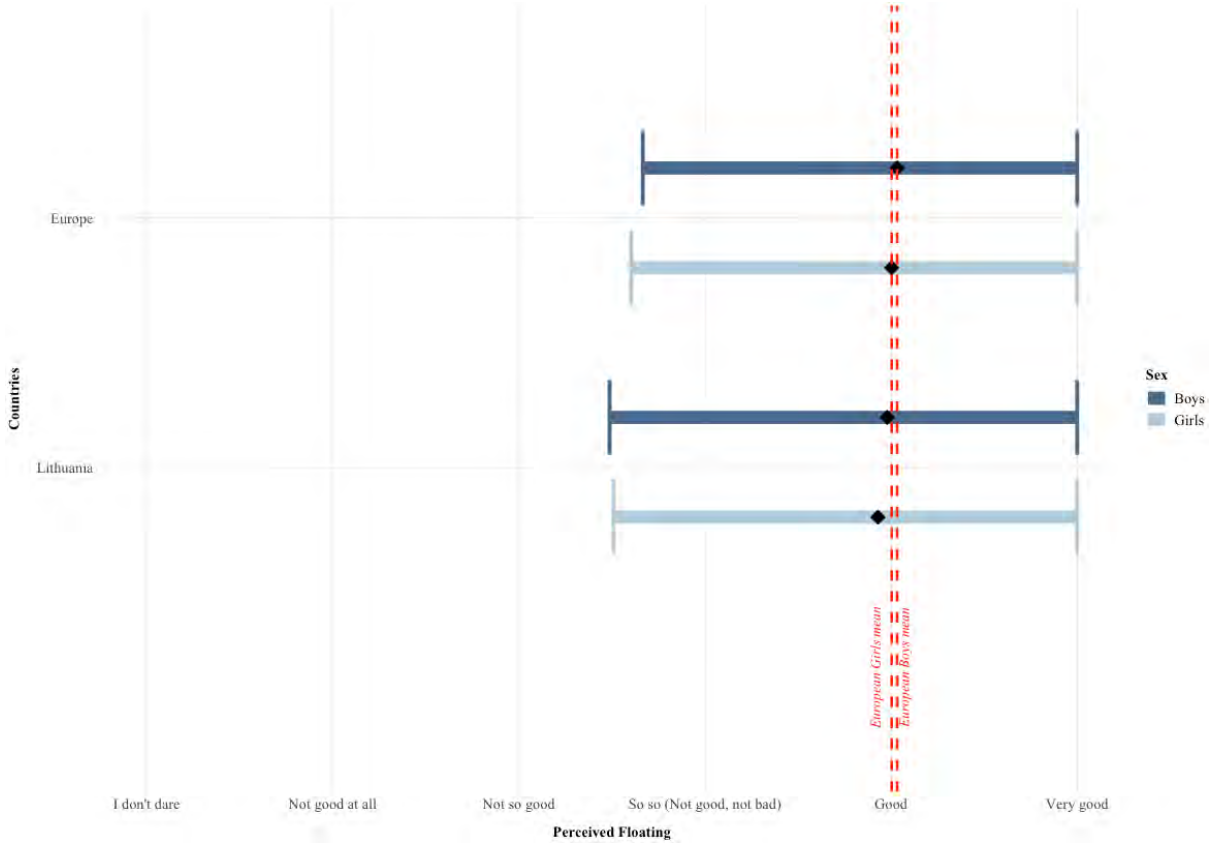


Figure 433. Distribution of the Perceived Floating according to the Sex in Europe and in Lithuania (Mean±SD).

Table 744. Comparative Analysis of the Perceived Floating in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	147	1,264	0.85	0.004	0.05
	Girls	128	1,271	0.56	0.01	0.06

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 745. Comparative Analysis of the Perceived Floating in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	147	128	0.5	0.04	0.09

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

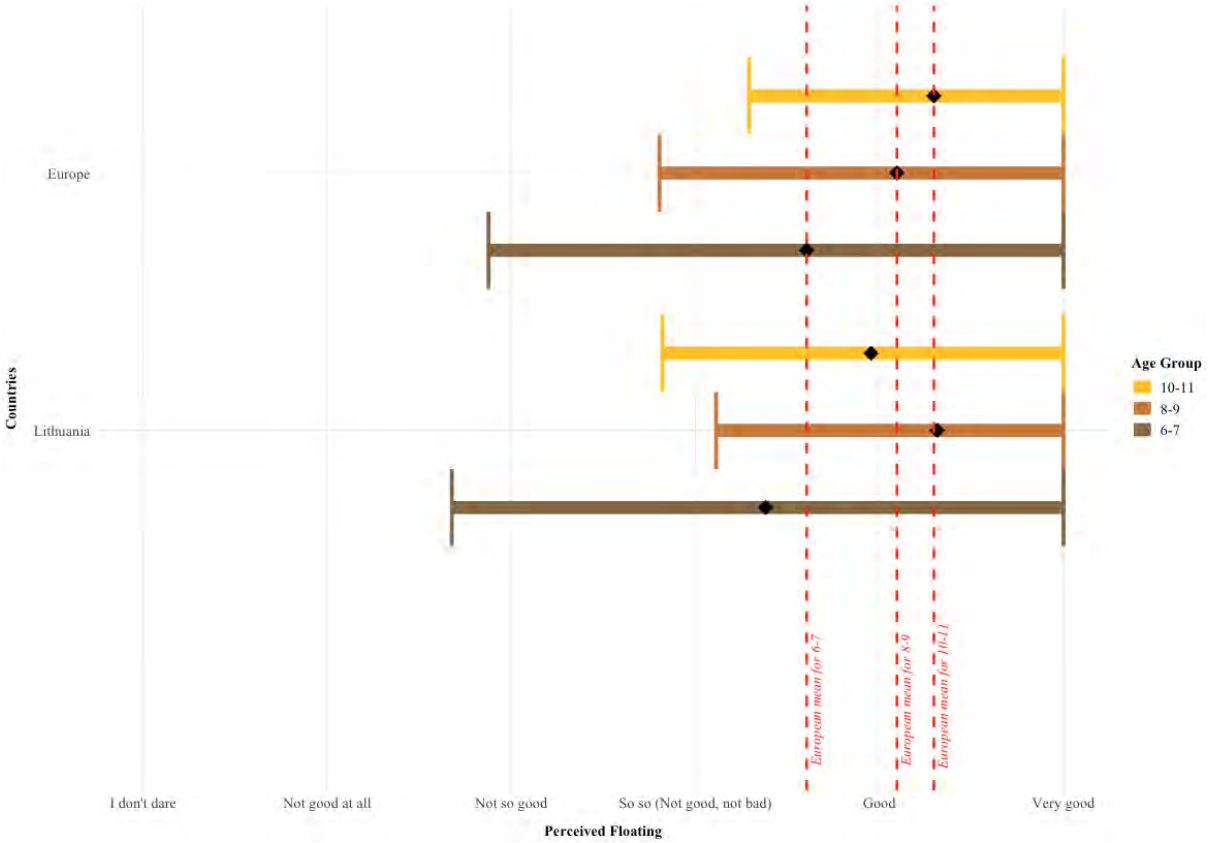


Figure 434. Distribution of the Perceived Floating according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 746. Comparative Analysis of the Perceived Floating in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	97	739	0.15	0.05	0.14
	8-9 yo	156	968	0.02 *	0.06	0.29
	10-11 yo	22	828	0.11	0.05	0.07

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 747. Comparative Analysis of the Perceived Floating in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	97	156		5.89^{e-06} ***	0.26	0.98
	8-9 yo *vs* 10-11 yo		156	22	0.05	0.13	0.2
	6-7 yo *vs* 10-11 yo	97		22	0.26	0.1	0.13

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

e. Enjoyment

1. Swimming lessons at school

Overview

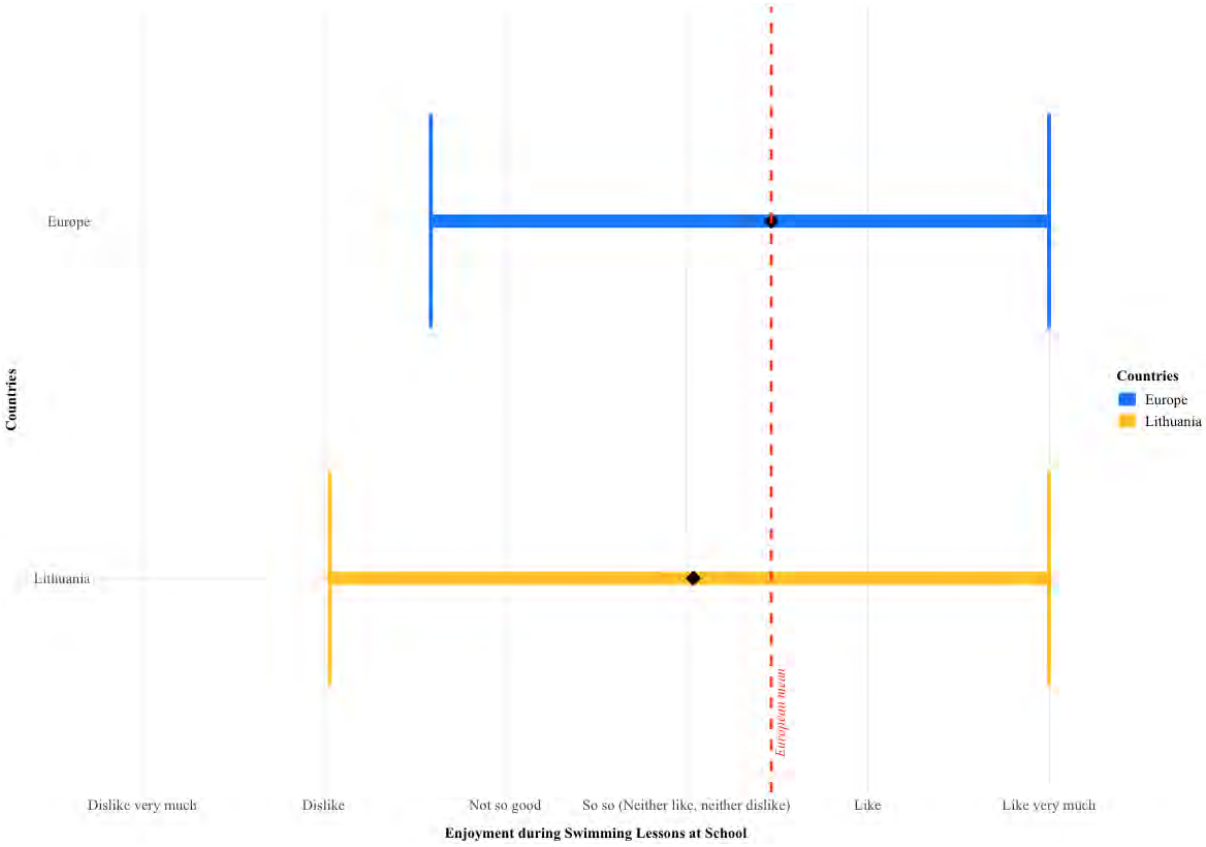


Figure 435. Distribution of the Enjoyment during Swimming Lessons at School in Europe and in Lithuania (Mean±SD).

Table 748. Comparative Analysis of the Enjoyment during Swimming Lessons at School in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	423	2,351	2.18^{e-05} ***	0.15	0.83

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

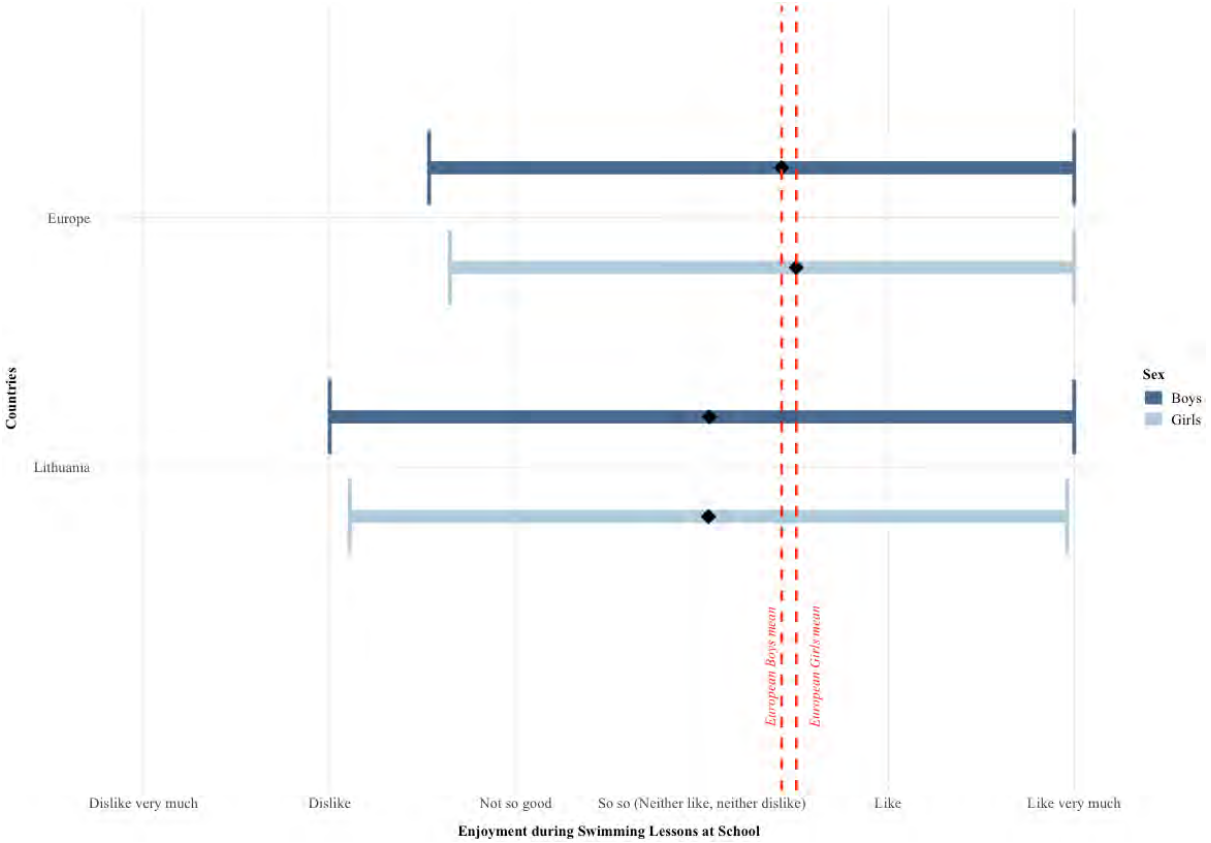


Figure 436. Distribution of the Enjoyment during Swimming Lessons at School according to the Sex in Europe and in Lithuania (Mean±SD).

Table 749. Comparative Analysis of the Enjoyment during Swimming Lessons at School in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	222	1,165	0.03 *	0.05	0.32
	Girls	201	1,186	9.36^{e-05} ***	0.1	0.75

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 750. Comparative Analysis of the Enjoyment during Swimming Lessons at School in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	222	201	0.44	0.04	0.11

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

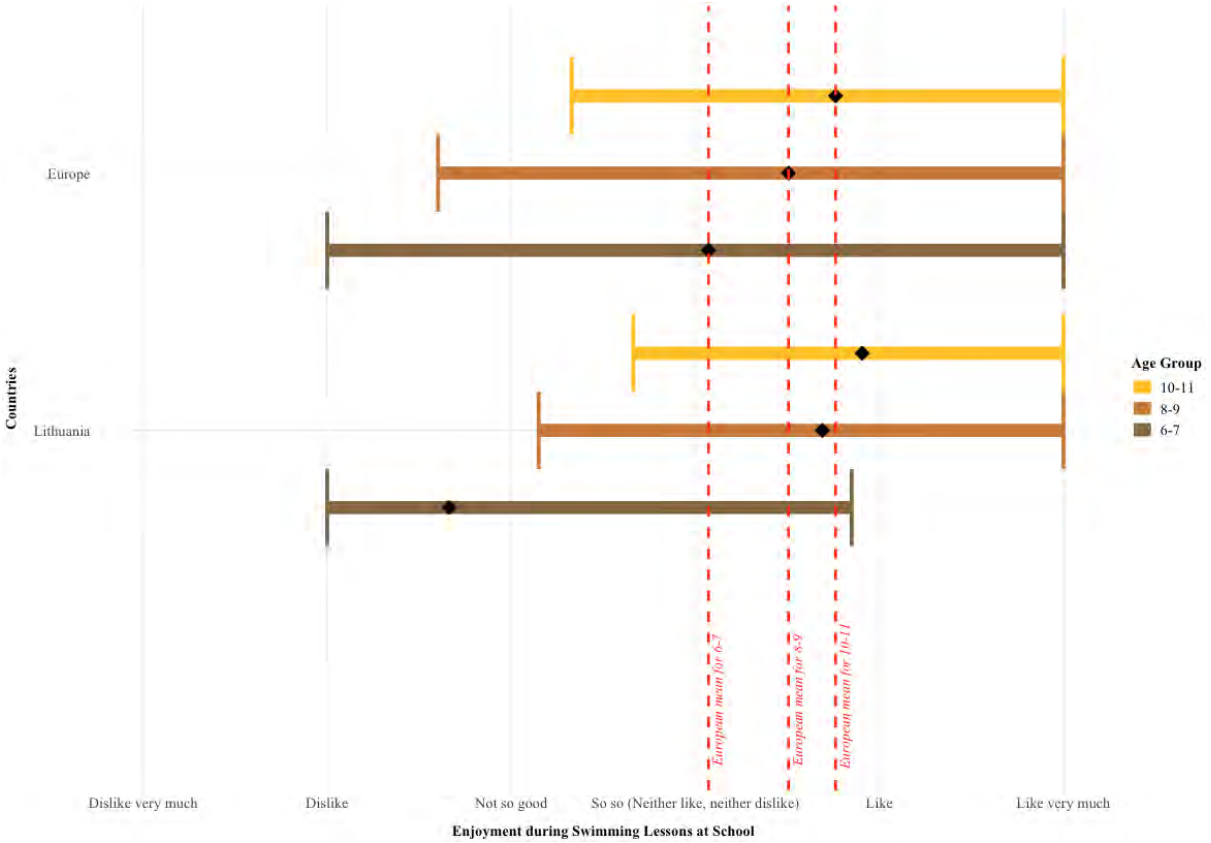


Figure 437. Distribution of the Enjoyment during Swimming Lessons at School according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 751. Comparative Analysis of the Enjoyment during Swimming Lessons at School in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	143	674	2.61^{e-11} ***	0.22	1
	8-9 yo	216	883	0.97	0.0009	0.05
	10-11 yo	64	794	0.63	0.01	0.06

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 752. Comparative Analysis of the Enjoyment during Swimming Lessons at School in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	143	216		3.3^{e-16} ***	0.41	1
	8-9 yo *vs* 10-11 yo		216	64	0.62	0.03	0.07
	6-7 yo *vs* 10-11 yo	143		64	1.28^{e-10} ***	0.42	1

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

2. Swimming lessons at school with friends

Overview

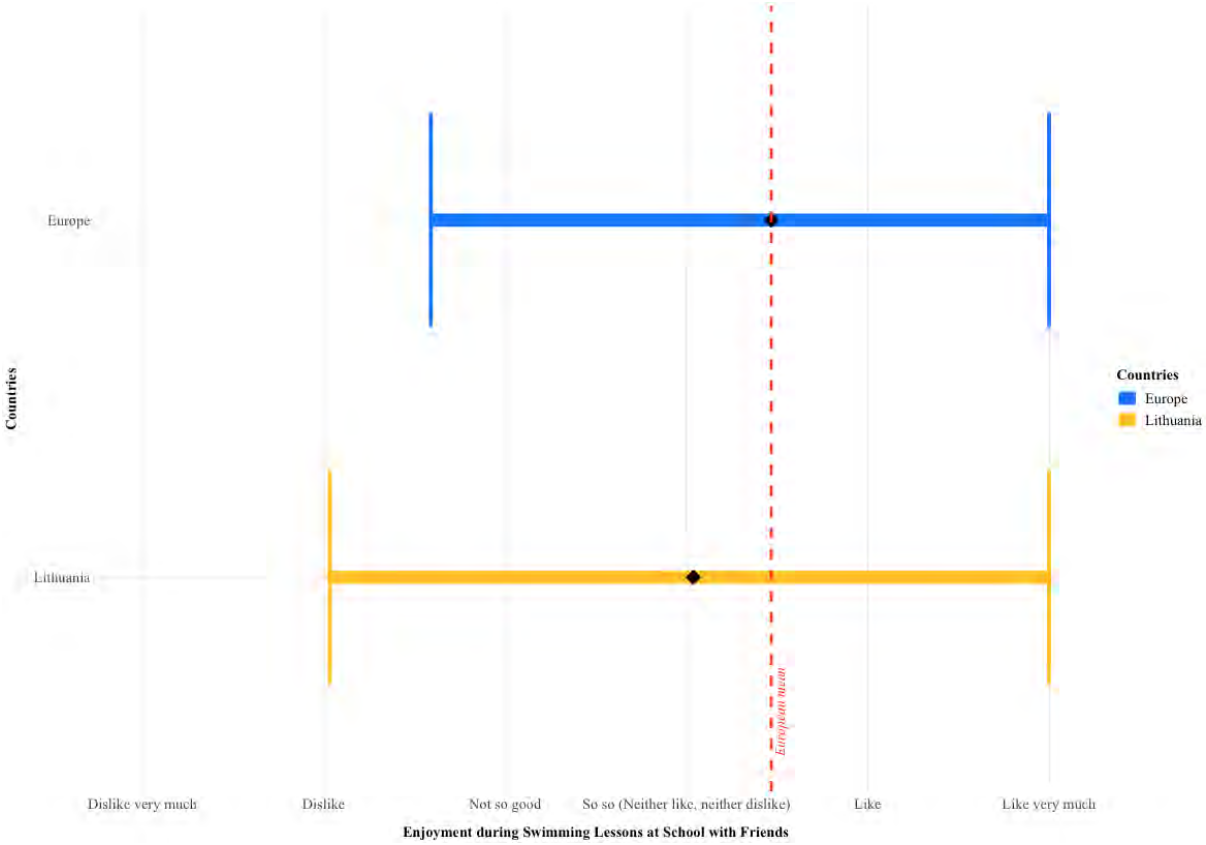


Figure 438. Distribution of the Enjoyment during Swimming Lessons at School with Friends in Europe and in Lithuania (Mean±SD).

Table 753. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	423	2,351	2.18^{e-05} ***	0.15	0.83

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

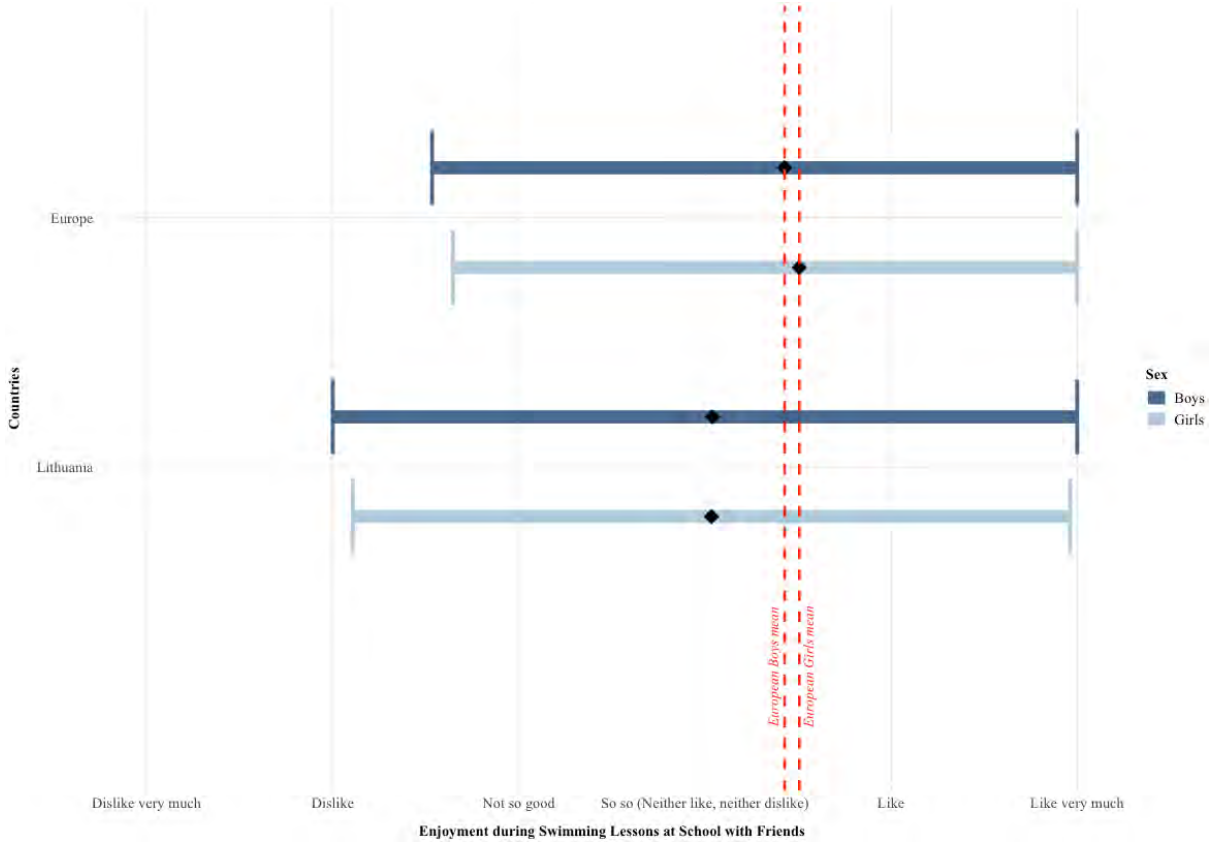


Figure 439. Distribution of the Enjoyment during Swimming Lessons at School with Friends according to the Sex in Europe and in Lithuania (Mean±SD).

Table 754. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	222	1,165	0.03 *	0.05	0.32
	Girls	201	1,186	9.36^{e-05} ***	0.1	0.75

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 755. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	222	201	0.44	0.04	0.11

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

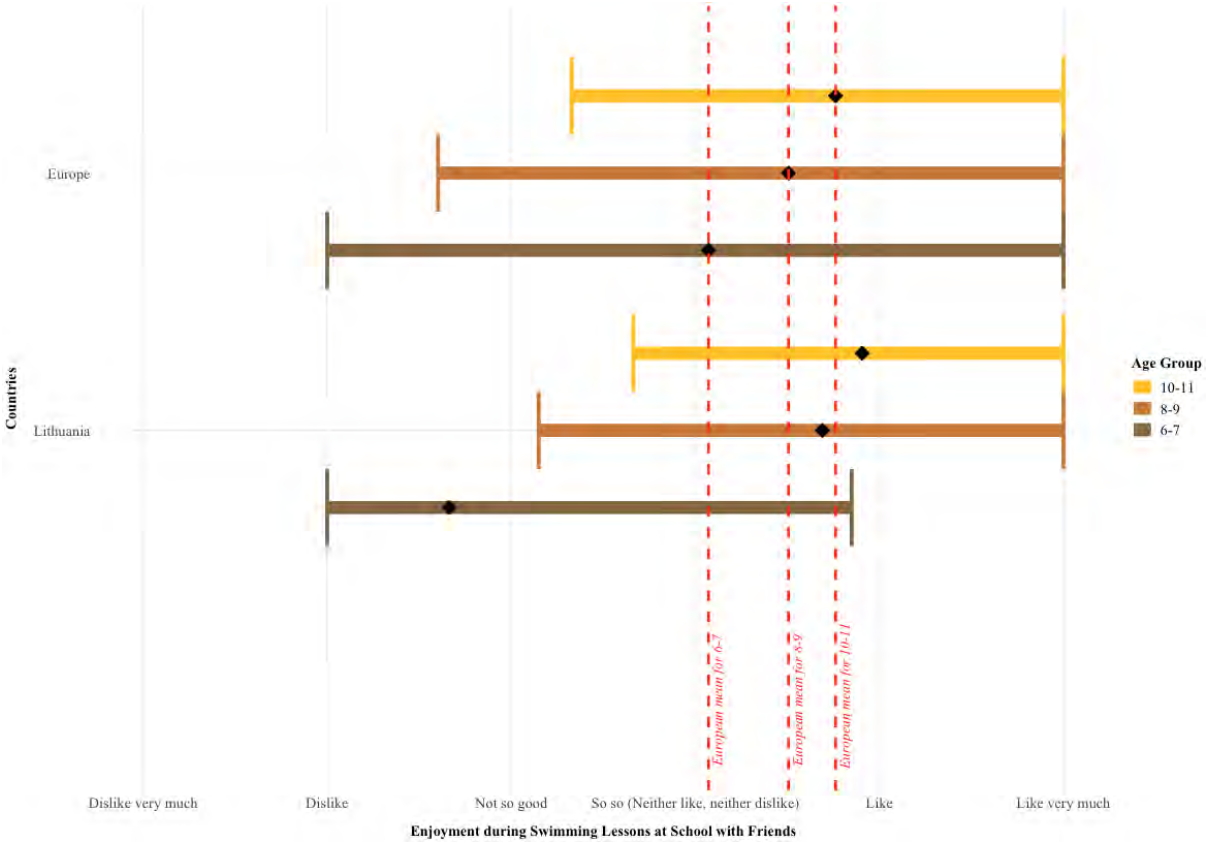


Figure 440. Distribution of the Enjoyment during Swimming Lessons at School with Friends according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 756. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	143	674	2.61^{e-11} ***	0.22	1
	8-9 yo	216	883	0.97	0.0009	0.05
	10-11 yo	64	794	0.63	0.01	0.06

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 757. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	143	216		3.3^{e-16} ***	0.41	1
	8-9 yo *vs* 10-11 yo		216	64	0.62	0.03	0.07
	6-7 yo *vs* 10-11 yo	143		64	1.28^{e-10} ***	0.42	1

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

3. Swimming lessons out-of-school

Overview

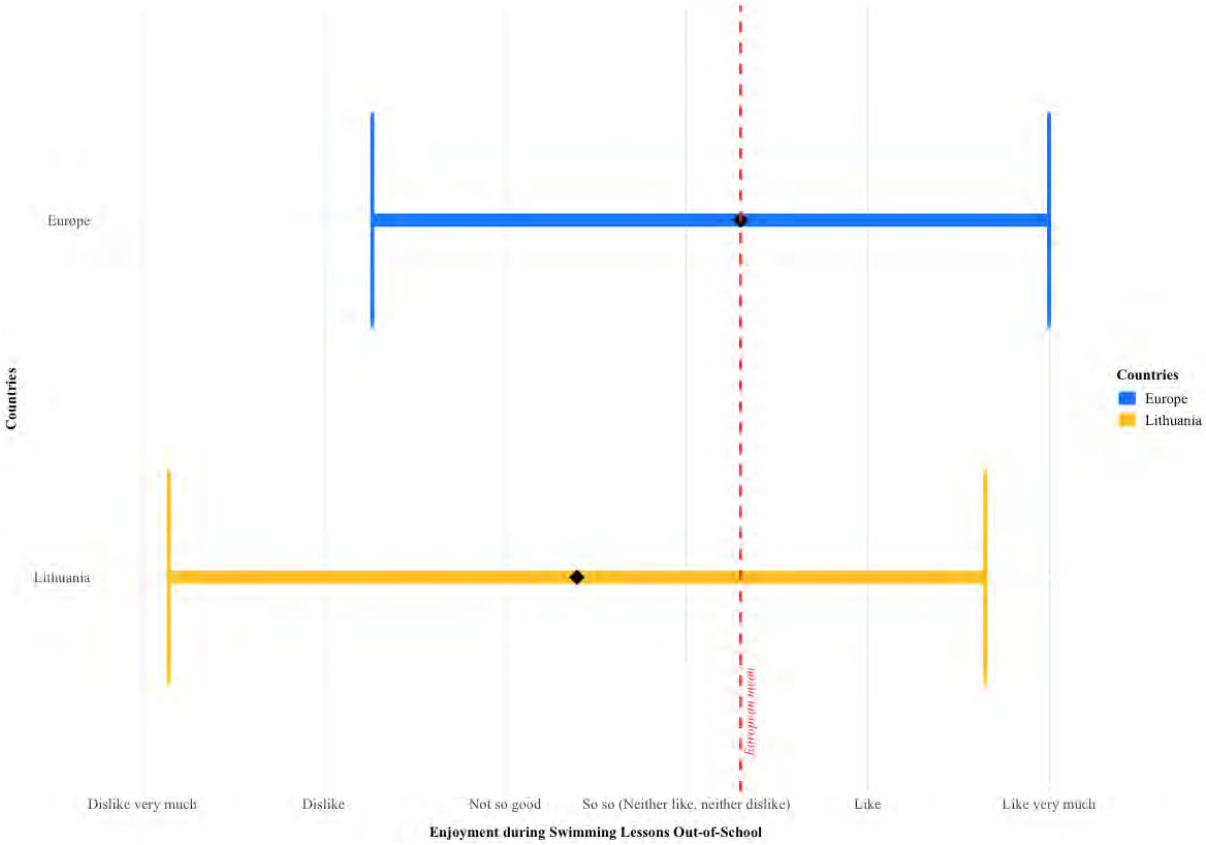


Figure 441. Distribution of the Enjoyment during Swimming Lessons Out-of-School in Europe and in Lithuania (Mean±SD).

Table 758. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* **Europe**	424	2,447	1.75^{e-13} ***	0.26	1

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

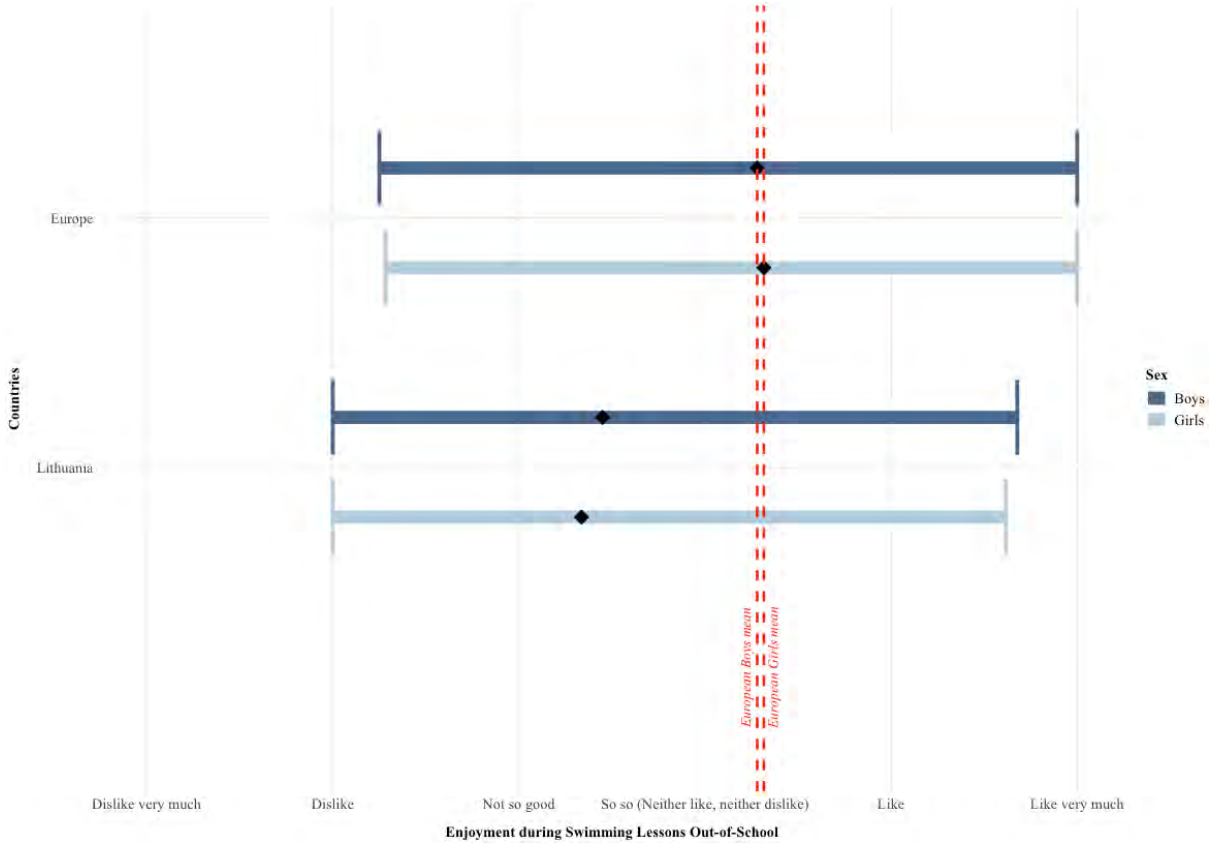


Figure 442. Distribution of the Enjoyment during Swimming Lessons Out-of-School according to the Sex in Europe and in Lithuania (Mean±SD).

Table 759. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	222	1,222	1.27^{e-06} ***	0.12	0.92
	Girls	202	1,225	2.41^{e-08} ***	0.14	0.96

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 760. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	222	202	0.44	0.03	0.11

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

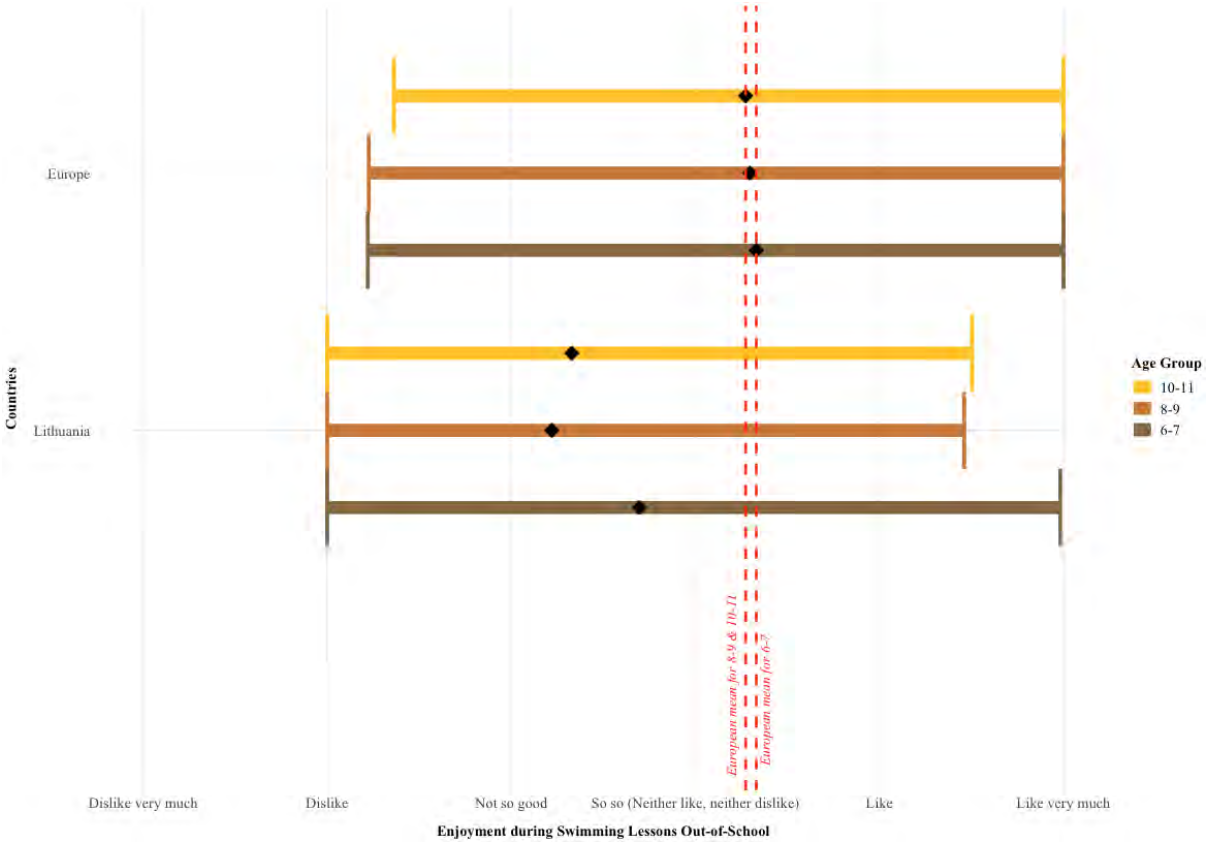


Figure 443. Distribution of the Enjoyment during Swimming Lessons Out-of-School according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 761. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	142	725	0.002 **	0.09	0.55
	8-9 yo	218	923	3.57^{e-10} ***	0.17	1
	10-11 yo	64	799	9.38^{e-04} ***	0.11	0.39

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 762. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	142	218		0.03 *	0.11	0.53
	8-9 yo *vs* 10-11 yo		218	64	0.88	0.008	0.05
	6-7 yo *vs* 10-11 yo	142		64	0.12	0.1	0.27

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

4. Swimming lessons out-of-school with friends

Overview

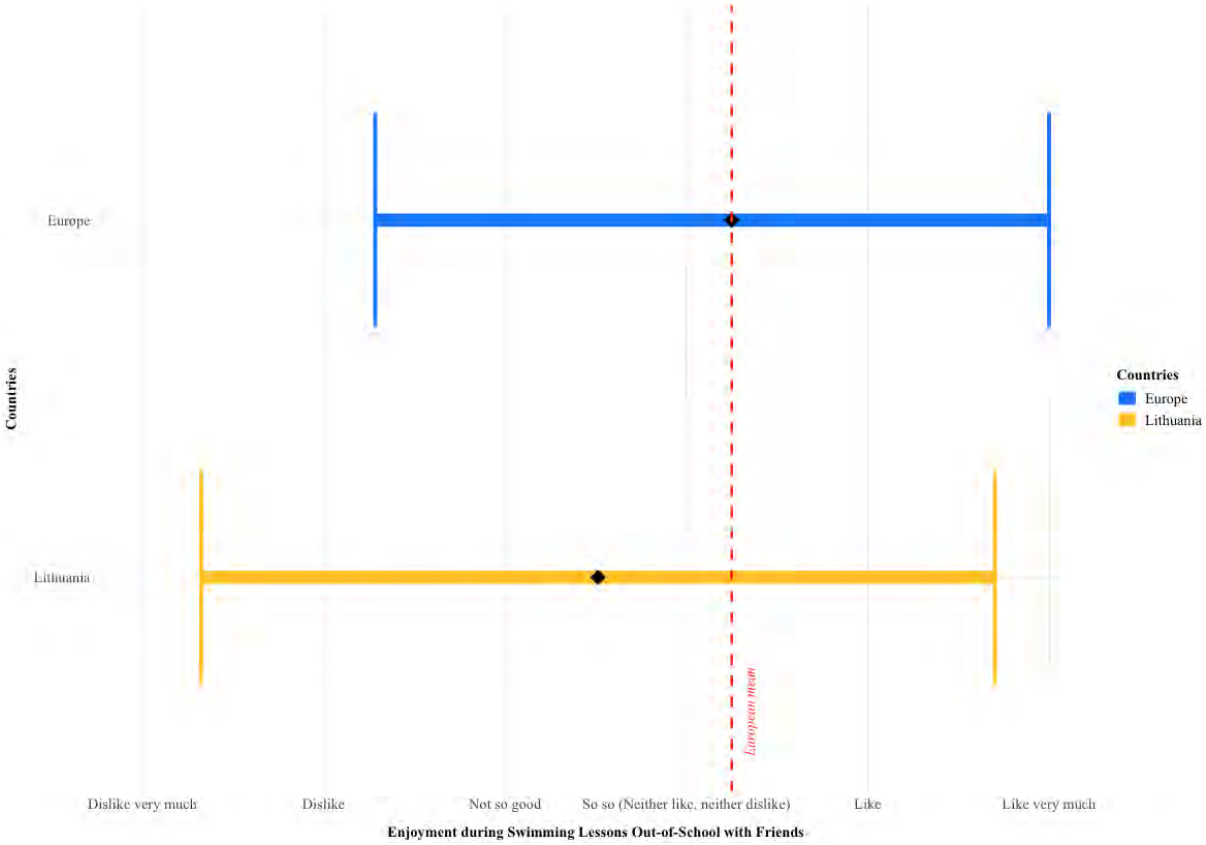


Figure 444. Distribution of the Enjoyment during Swimming Lessons Out-of-School with Friends in Europe and in Lithuania (Mean±SD).

Table 763. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	423	2,441	2.66^{e-10} ***	0.23	0.99

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

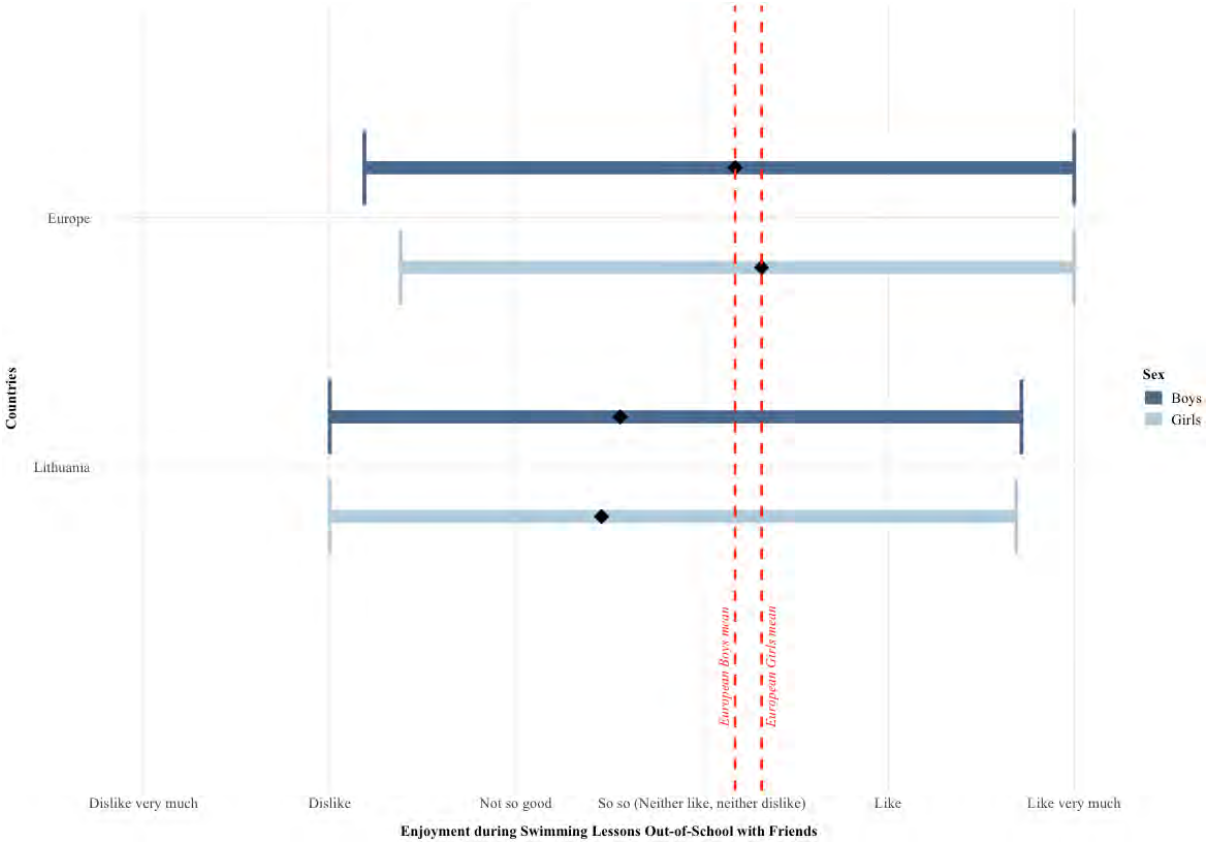


Figure 445. Distribution of the Enjoyment during Swimming Lessons Out-of-School with Friends according to the Sex the Sex in Europe and in Lithuania (Mean±SD).

Table 764. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	221	1,212	8.91^{e-05} ***	0.1	0.78
	Girls	202	1,229	6.59^{e-07} ***	0.12	0.91

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 765. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	221	202	0.58	0.02	0.08

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

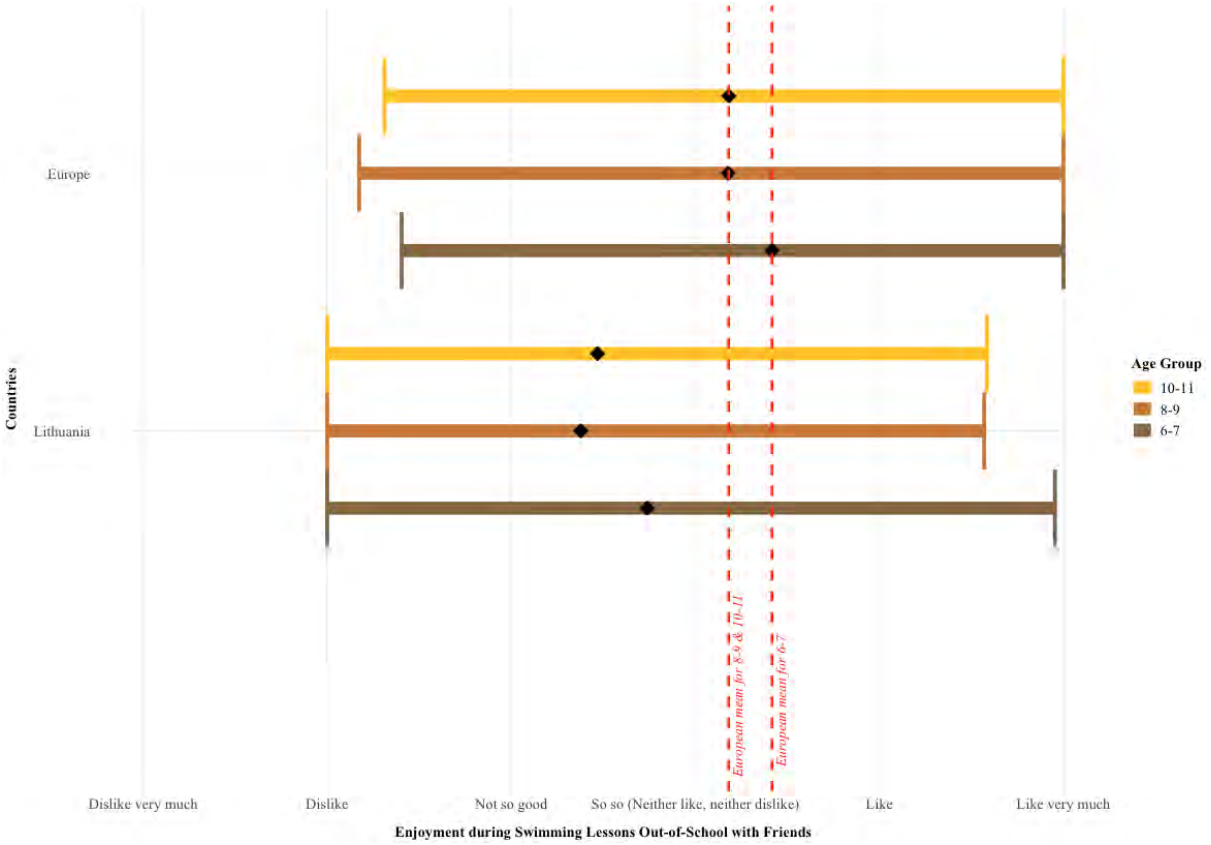


Figure 446. Distribution of the Enjoyment during Swimming Lessons Out-of-School with Friends according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 766. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	142	725	2.14^{e-04} ***	0.12	0.73
	8-9 yo	217	921	1.92^{e-06} ***	0.13	0.95
	10-11 yo	64	795	0.01 **	0.08	0.26

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 767. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	142	217		0.11	0.08	0.32
	8-9 yo *vs* 10-11 yo		217	64	0.97	0.002	0.05
	6-7 yo *vs* 10-11 yo	142		64	0.2	0.08	0.2

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

5. Playing in the swimming pool

Overview

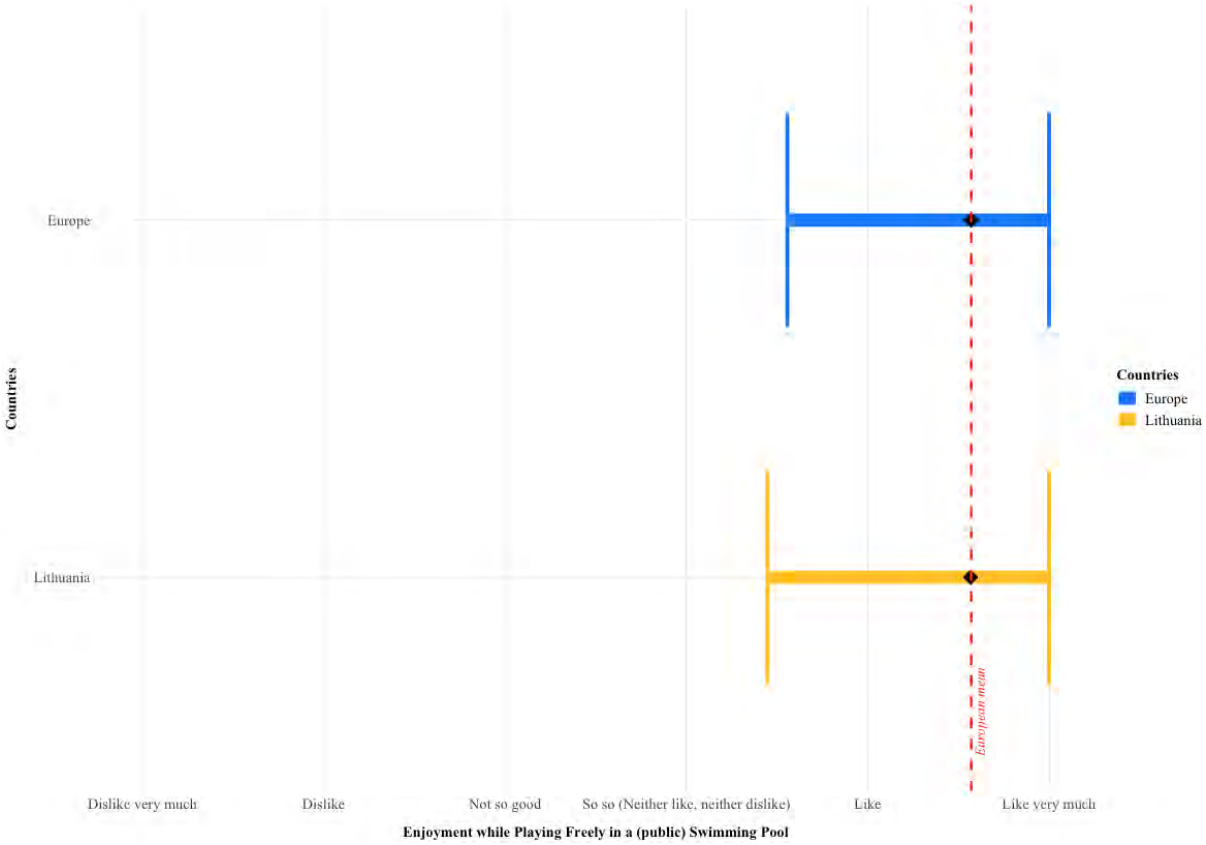


Figure 447. Distribution of the Enjoyment while Playing Freely in the Swimming Pool in Europe and in Lithuania (Mean±SD).

Table 768. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	425	2,550	0.15	0.04	0.11

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

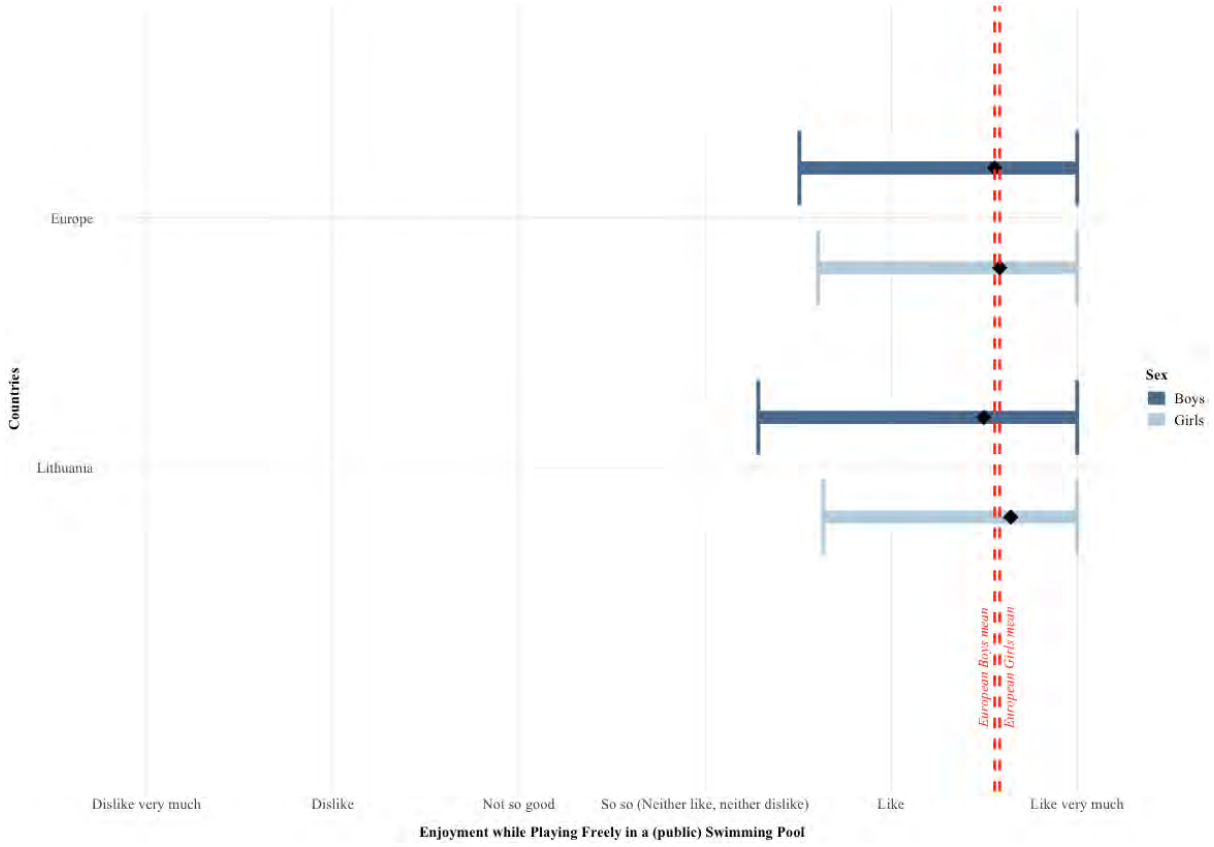


Figure 448. Distribution of the Enjoyment while Playing Freely in the Swimming Pool according to the Sex in Europe and in Lithuania (Mean±SD).

Table 769. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	223	1,273	0.65	0.008	0.05
	Girls	202	1,277	0.11	0.03	0.13

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 770. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	223	202	0.41	0.03	0.09

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

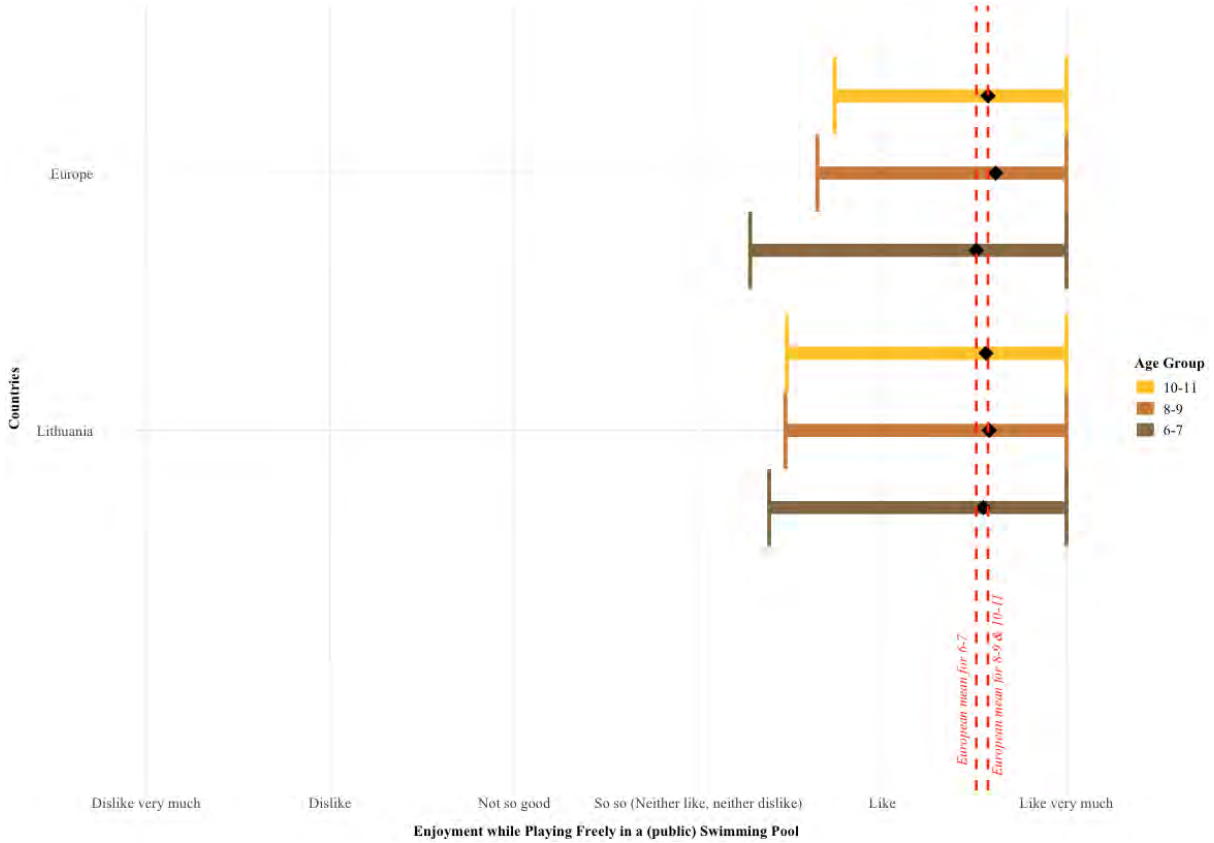


Figure 449. Distribution of the Enjoyment while Playing Freely in the Swimming Pool according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 771. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	144	751	0.85	0.004	0.05
	8-9 yo	217	974	0.71	0.007	0.05
	10-11 yo	64	825	0.25	0.03	0.07

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 772. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	144	217		0.97	0.001	0.05
	8-9 yo *vs* 10-11 yo		217	64	0.79	0.01	0.05
	6-7 yo *vs* 10-11 yo	144		64	0.82	0.01	0.05

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

6. Playing in the swimming pool with friends

Overview

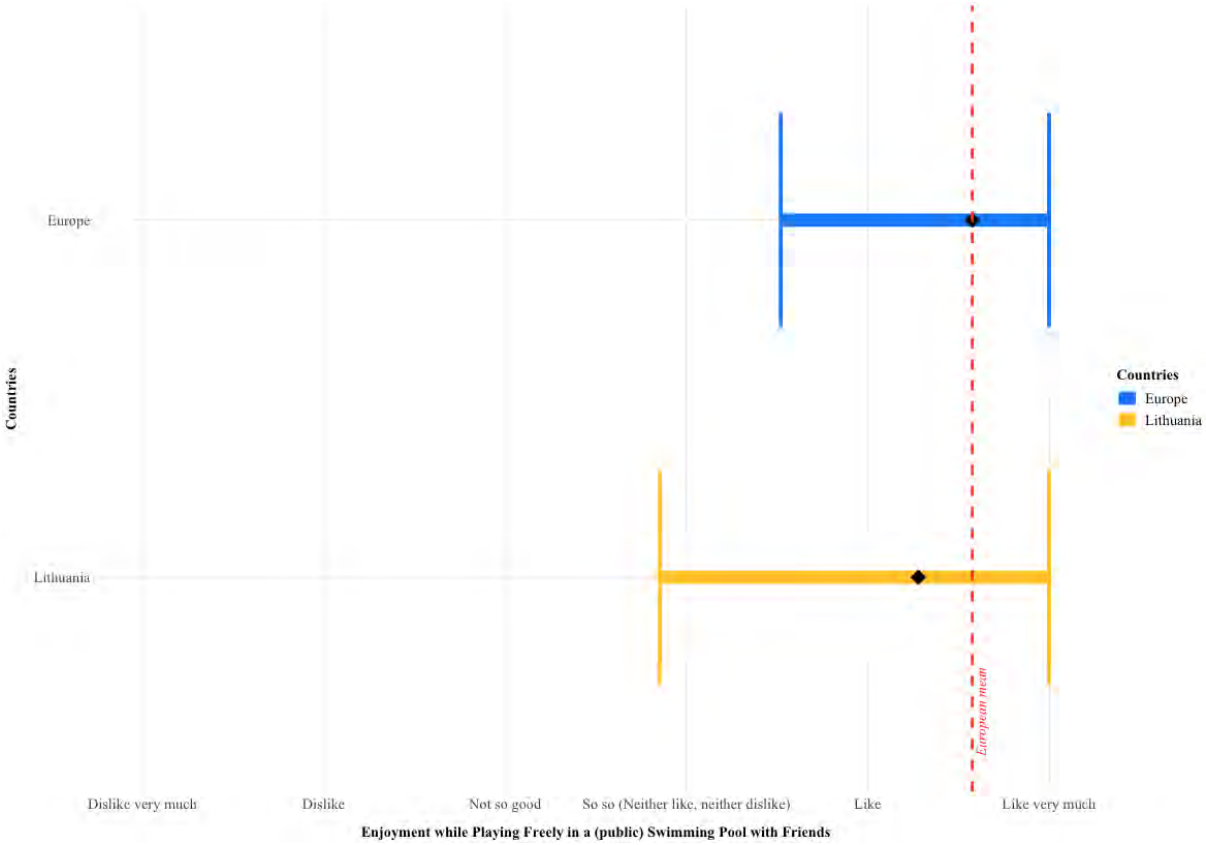


Figure 450. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Europe and in Lithuania (Mean±SD).

Table 773. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	423	2,546	1^{e-04} ***	0.1	0.51

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

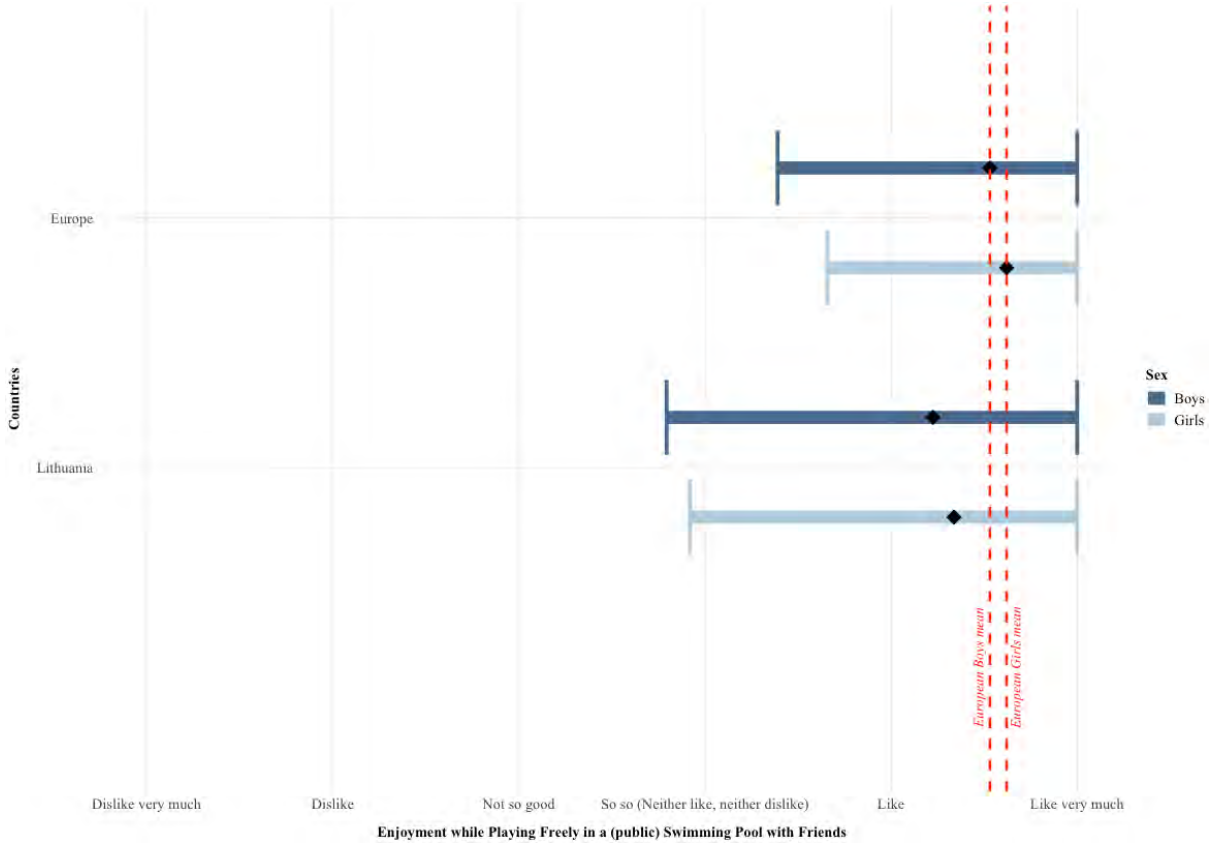


Figure 451. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Friends according to the Sex in Europe and in Lithuania (Mean±SD).

Table 774. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	Boys	222	1,265	0.001 **	0.06	0.4
	Girls	201	1,281	0.03 *	0.04	0.18

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 775. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania	Boys *vs* Girls	222	201	0.33	0.04	0.12

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

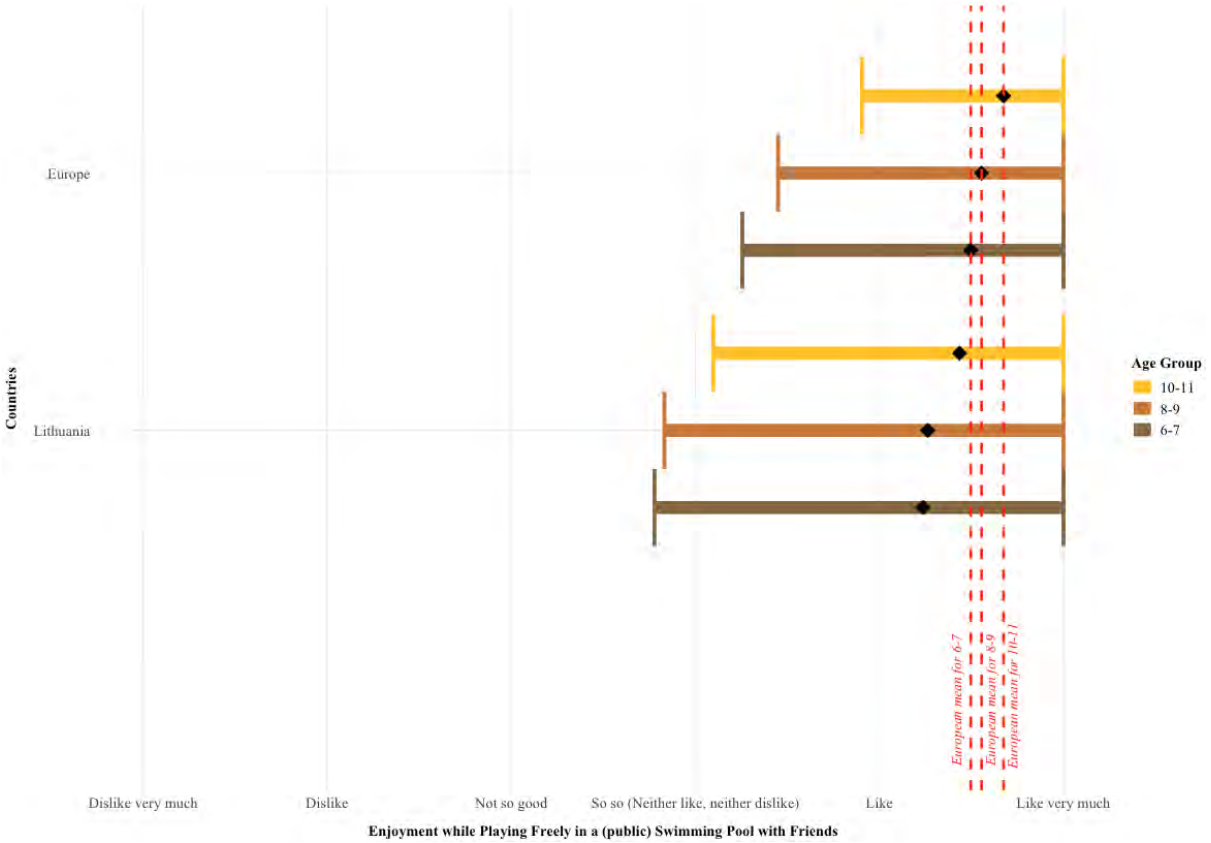


Figure 452. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Friends according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 776. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	144	752	0.02 *	0.06	0.24
	8-9 yo	217	968	0.003 **	0.06	0.4
	10-11 yo	62	826	0.57	0.01	0.05

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 777. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	144	217		0.97	0.001	0.05
	8-9 yo *vs* 10-11 yo		217	62	0.34	0.04	0.1
	6-7 yo *vs* 10-11 yo	144		62	0.39	0.05	0.09

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

7. Playing in the swimming pool with family

Overview

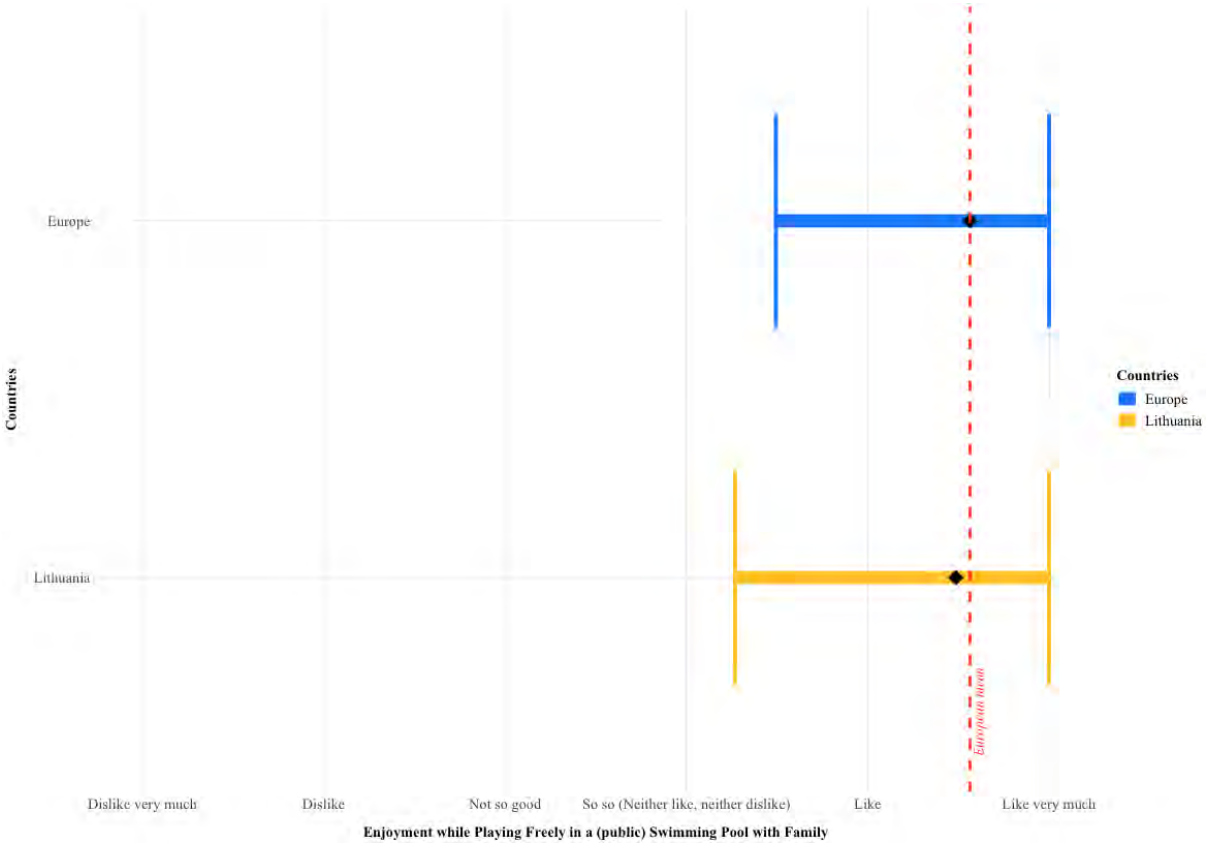


Figure 453. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Family in Europe and in Lithuania (Mean±SD).

Table 778. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	420	2,539	0.54	0.02	0.06

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

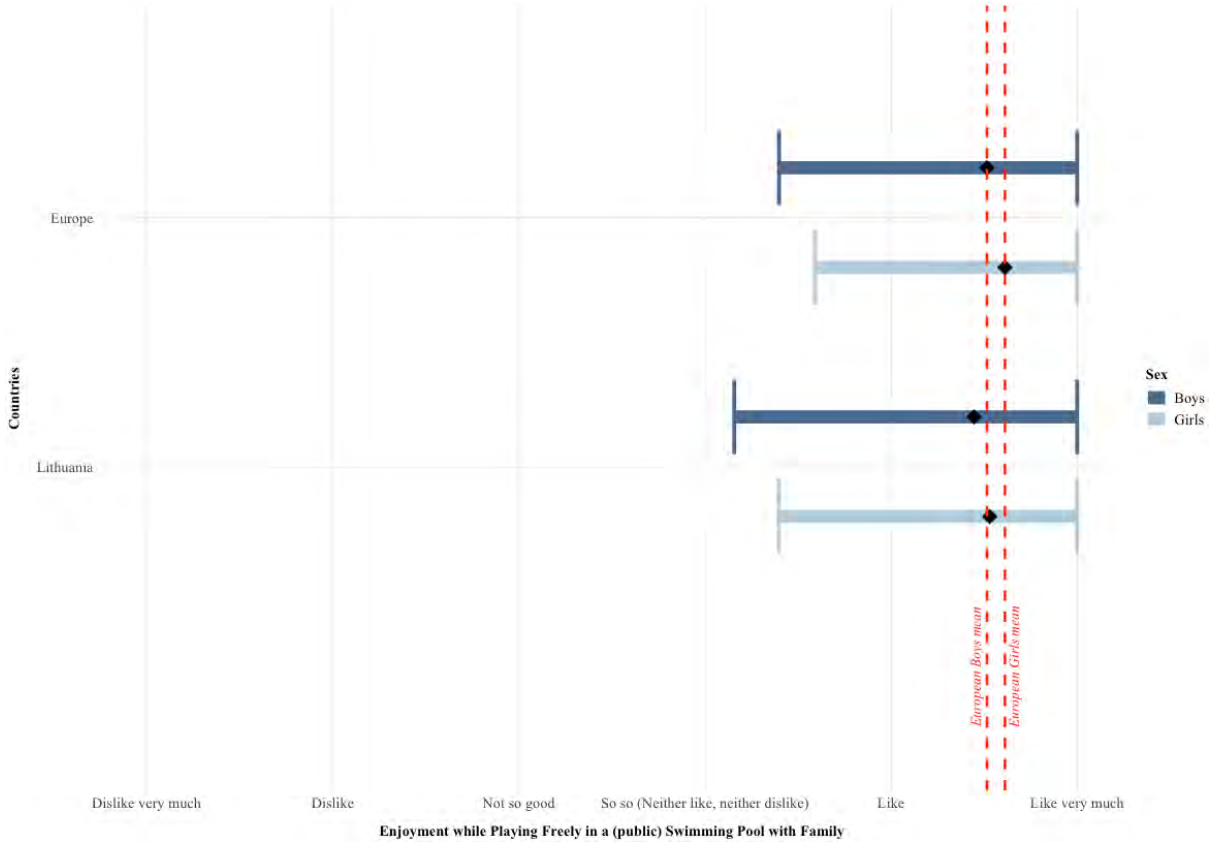


Figure 454. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Family according to the Sex in Europe and in Lithuania (Mean±SD).

Table 779. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	222	1,268	0.74	0.006	0.05
	Girls	198	1,271	0.21	0.02	0.09

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 780. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	222	198	0.89	0.005	0.05

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: p-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

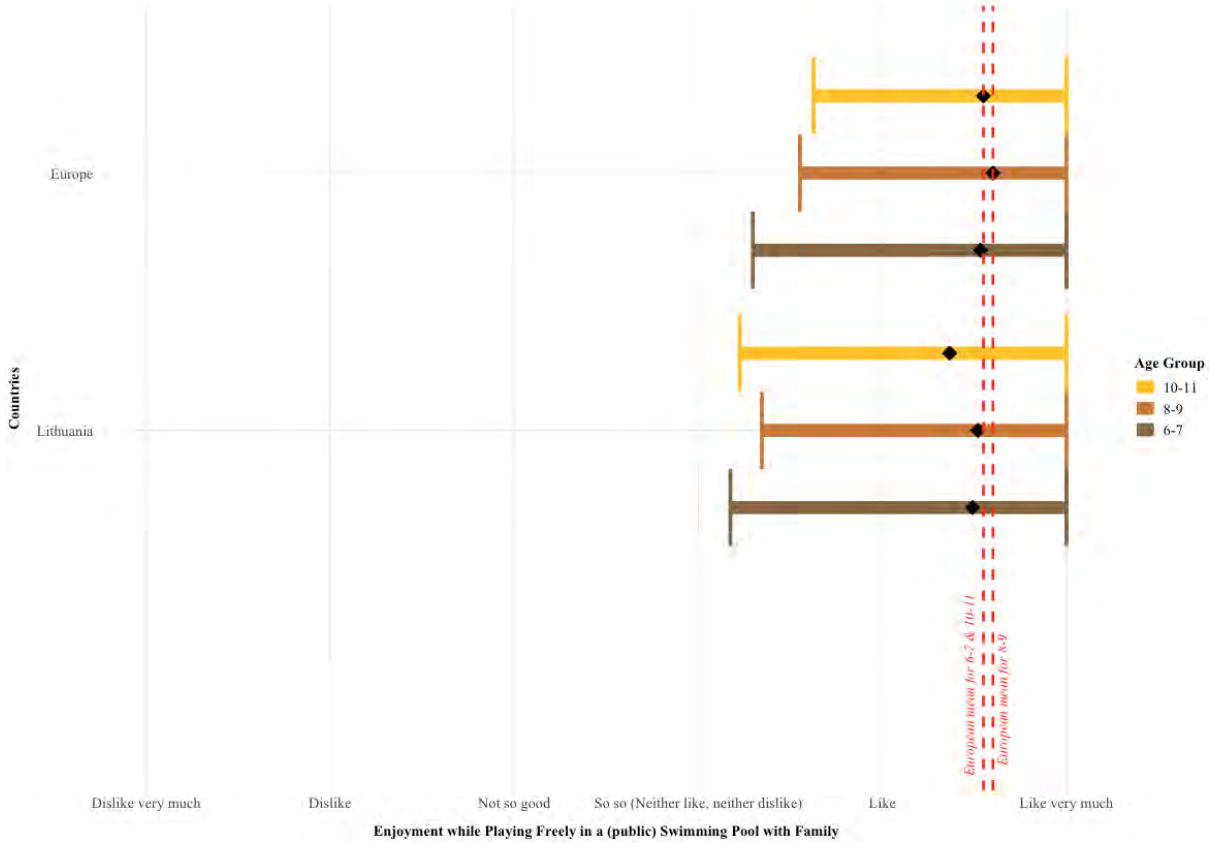


Figure 455. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Family according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 781. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	143	750	0.55	0.01	0.06
	8-9 yo	214	967	0.42	0.01	0.07
	10-11 yo	63	822	0.25	0.03	0.08

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: p-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 782. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	143	214		0.73	0.01	0.06
	8-9 yo *vs* 10-11 yo		214	63	0.05	0.09	0.24
	6-7 yo *vs* 10-11 yo	143		63	0.03	0.11	0.31

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

f. Opportunities

1. Swimming races

Overview

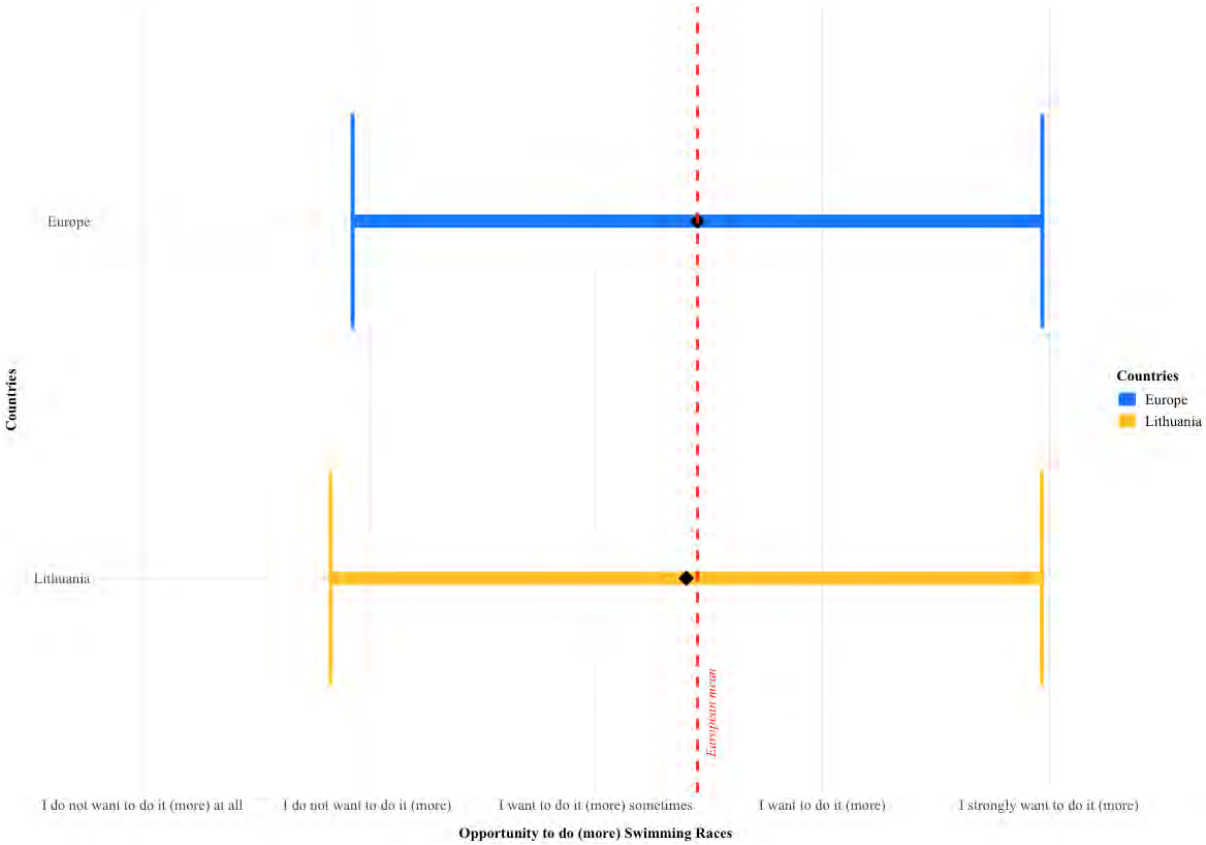


Figure 456. Distribution of the Opportunity to do (more) Swimming Races in Europe and in Lithuania (Mean±SD).

Table 783. Comparative Analysis of the Opportunity to do (more) Swimming Races in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	411	2,542	0.66	0.01	0.06

0.08Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

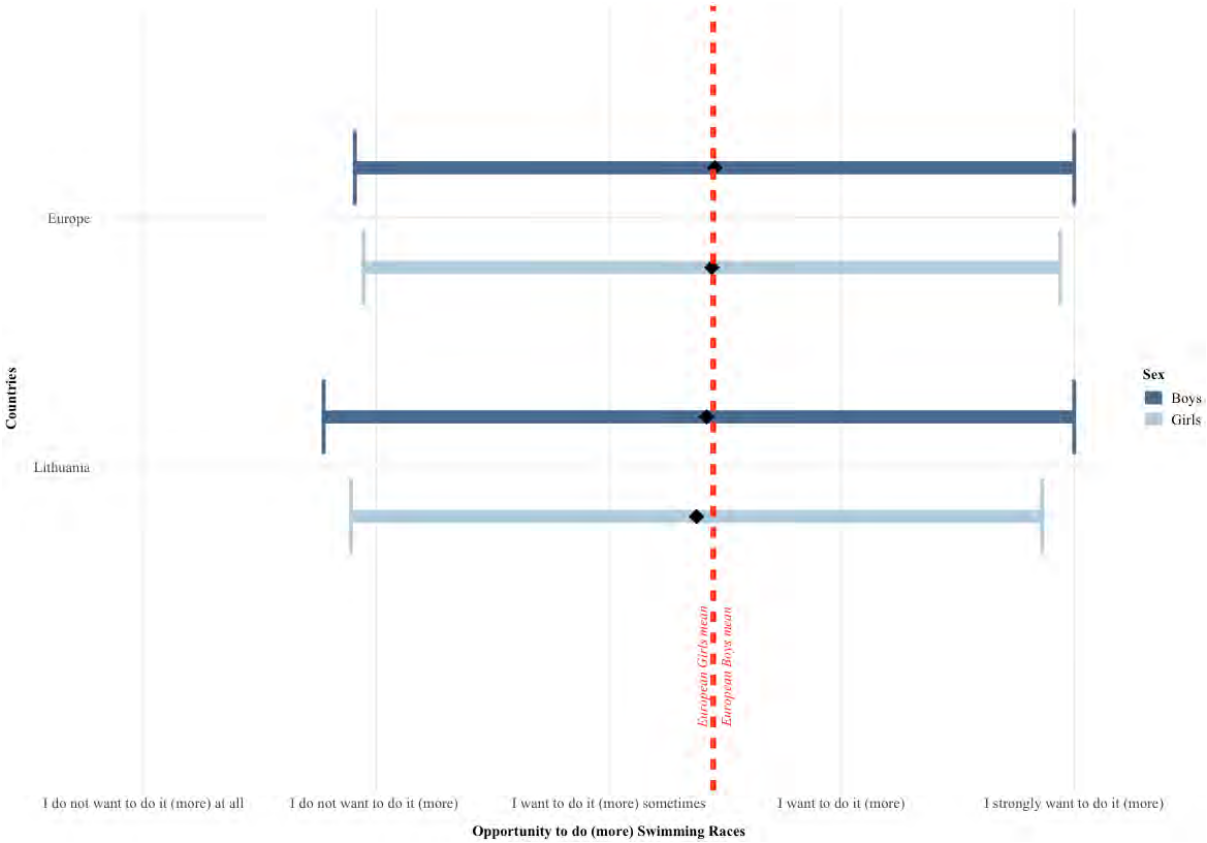


Figure 457. Distribution of the Opportunity to do (more) Swimming Races according to the Sex in Europe and in Lithuania (Mean±SD).

Table 784. Comparative Analysis of the Opportunity to do (more) Swimming Races in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	212	1,263	0.98	0.0007	0.05
	Girls	199	1,279	0.52	0.02	0.07

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 785. Comparative Analysis of the Opportunity to do (more) Swimming Races in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	212	199	0.52	0.03	0.09

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

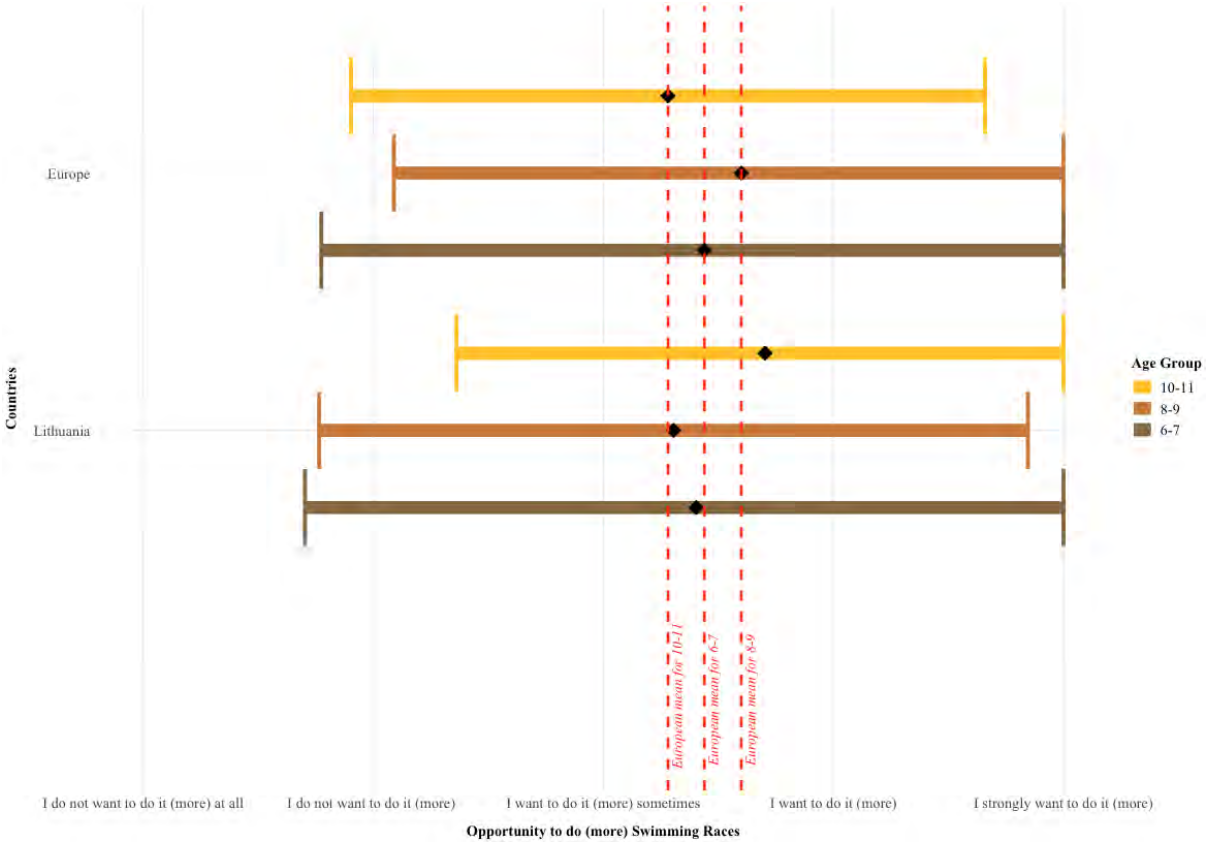


Figure 458. Distribution of the Opportunity to do (more) Swimming Races according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 786. Comparative Analysis of the Opportunity to do (more) Swimming Races in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	134	745	0.85	0.006	0.05
	8-9 yo	213	969	0.008 **	0.07	0.49
	10-11 yo	64	828	0.01 *	0.08	0.24

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 787. Comparative Analysis of the Opportunity to do (more) Swimming Races in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	134	213		0.41	0.04	0.12
	8-9 yo *vs* 10-11 yo		213	64	0.09	0.1	0.28
	6-7 yo *vs* 10-11 yo	134		64	0.49	0.05	0.09

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

2. Water Polo

Overview

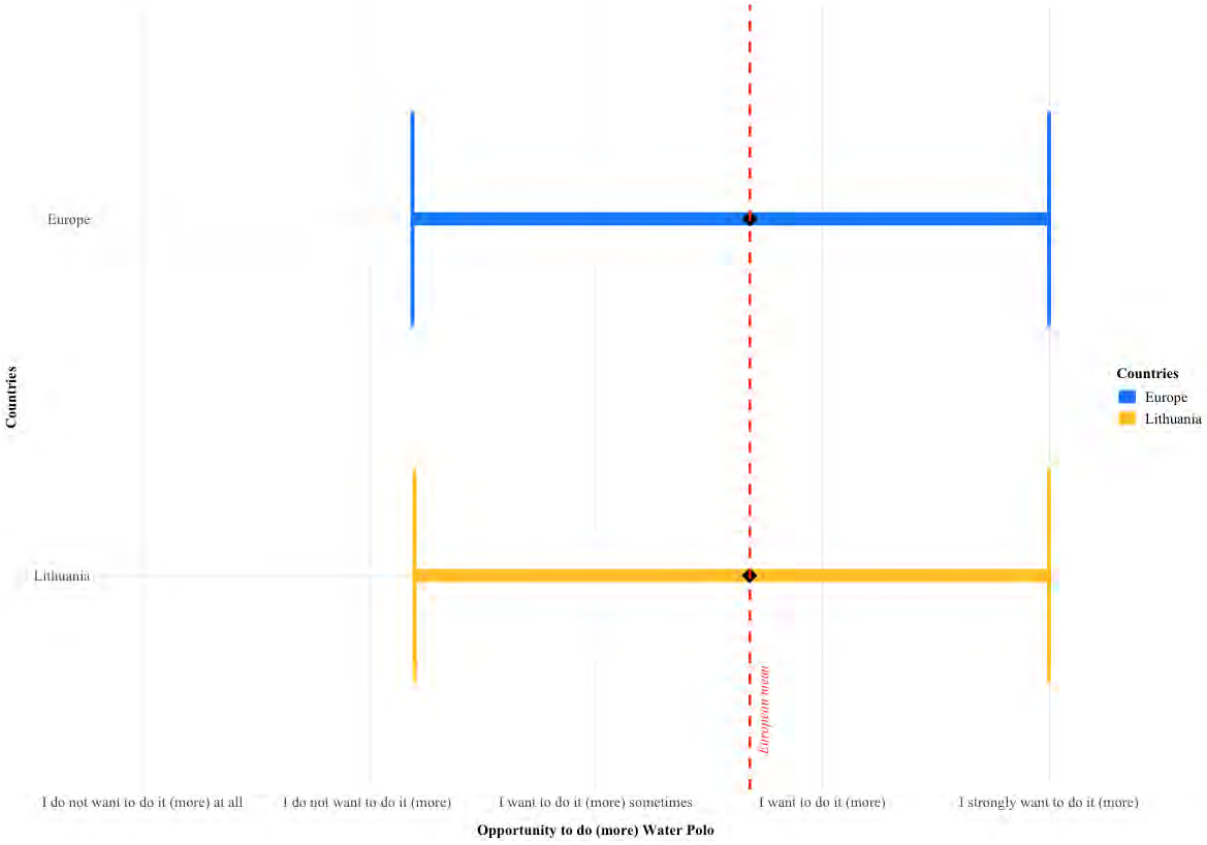


Figure 459. Distribution of the Opportunity to do (more) Water Polo in Europe and in Lithuania (Mean±SD).

Table 788. Comparative Analysis of the Opportunity to do (more) Water Polo in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	401	2,540	0.92	0.003	0.05

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

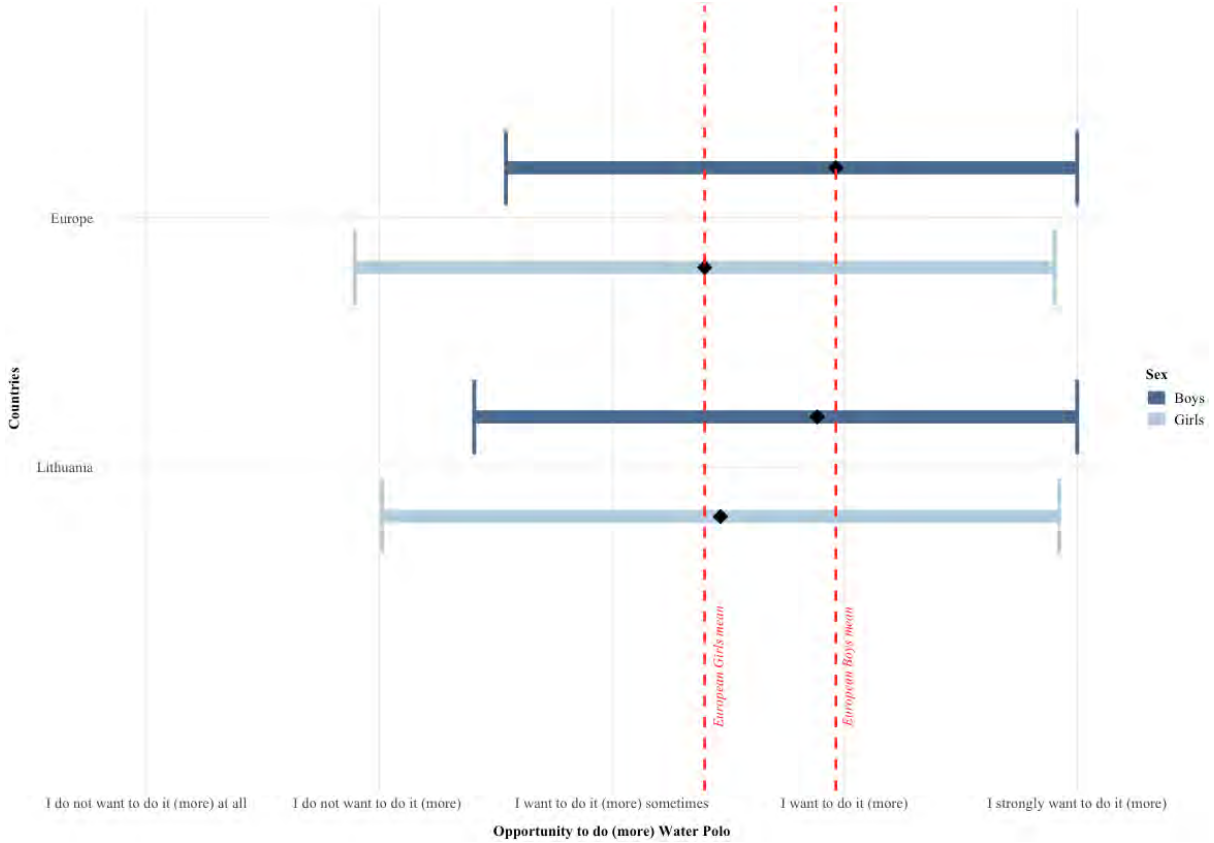


Figure 460. Distribution of the Opportunity to do (more) Water Polo according to the Sex in Europe and in Lithuania (Mean±SD).

Table 789. Comparative Analysis of the Opportunity to do (more) Water Polo in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	204	1,266	0.56	0.01	0.06
	Girls	197	1,274	0.63	0.01	0.06

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 790. Comparative Analysis of the Opportunity to do (more) Water Polo in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	204	197	5.8^{e-04} ***	0.16	0.91

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

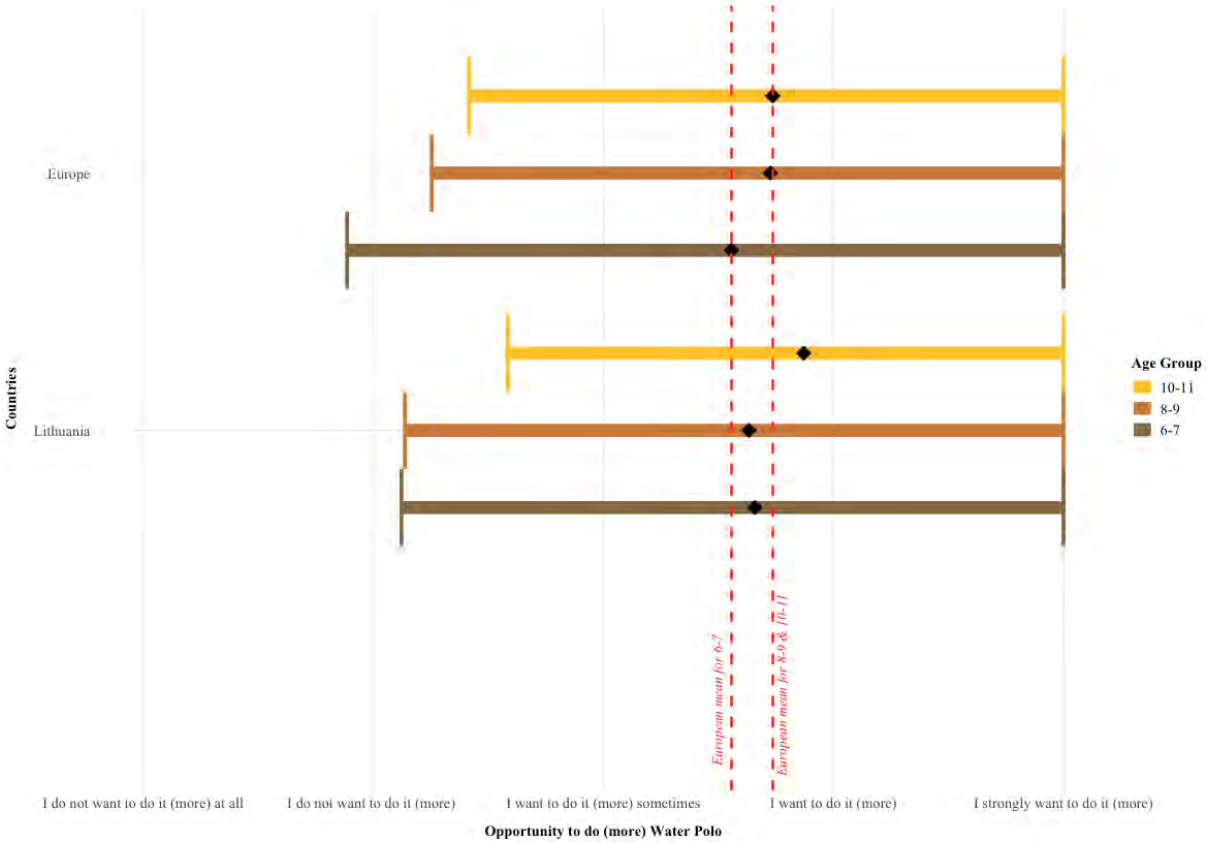


Figure 461. Distribution of the Opportunity to do (more) Water Polo according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 791. Comparative Analysis of the Opportunity to do (more) Water Polo in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	135	745	0.76	0.01	0.05
	8-9 yo	204	967	0.36	0.02	0.1
	10-11 yo	62	828	0.42	0.03	0.07

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 792. Comparative Analysis of the Opportunity to do (more) Water Polo in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	135	204		0.7	0.02	0.06
	8-9 yo *vs* 10-11 yo		204	62	0.41	0.05	0.1
	6-7 yo *vs* 10-11 yo	135		62	0.63	0.03	0.07

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

3. Artistic Swimming

Overview

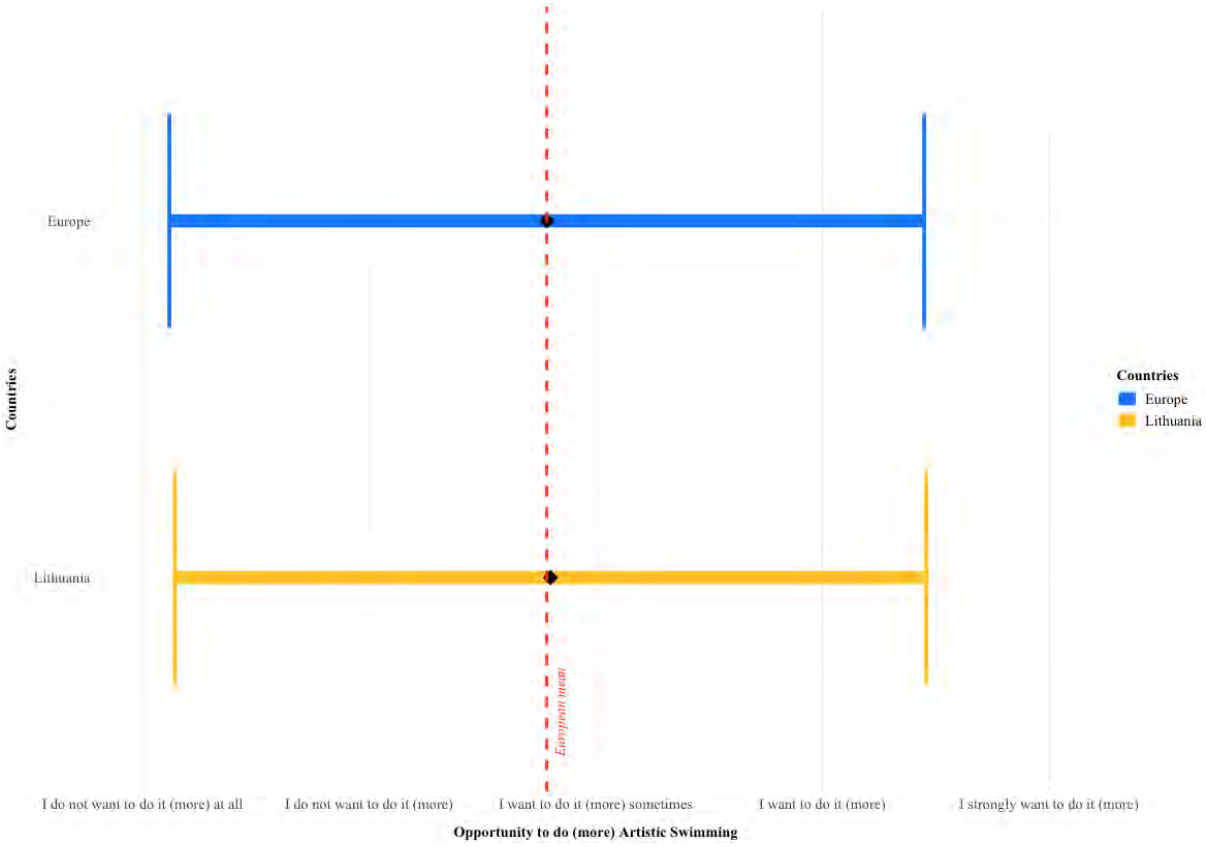


Figure 462. Distribution of the Opportunity to do (more) Artistic Swimming in Europe and in Lithuania (Mean±SD).

Table 793. Comparative Analysis of the Opportunity to do (more) Artistic Swimming at School in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	396	2,527	0.82	0.008	0.05

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

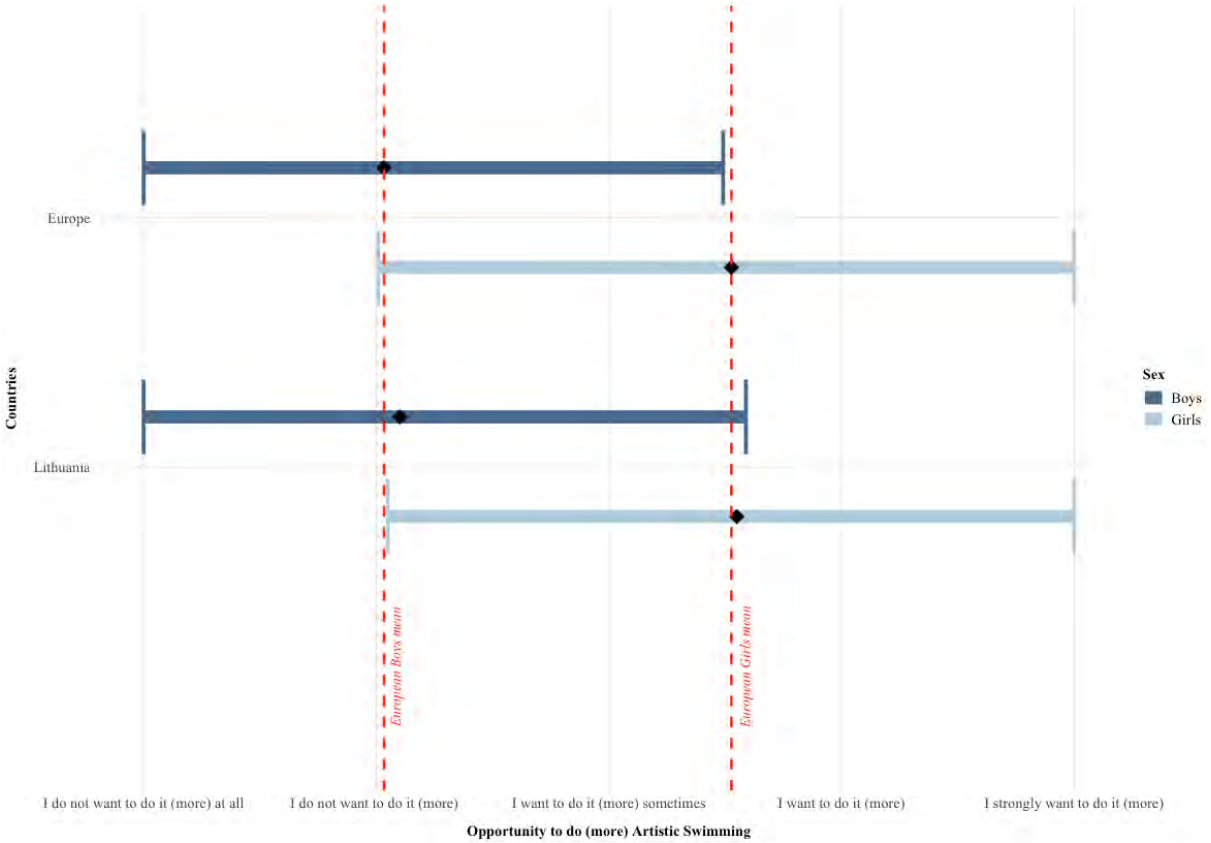


Figure 463. Distribution of the Opportunity to do (more) Artistic Swimming according to the Sex in Europe and in Lithuania (Mean±SD).

Table 794. Comparative Analysis of the Opportunity to do (more) Artistic Swimming in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	205	1,257	0.41	0.02	0.08
	Girls	191	1,270	0.93	0.002	0.05

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 795. Comparative Analysis of the Opportunity to do (more) Artistic Swimming in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	205	191	7.99^{e-18} ***	0.42	1

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

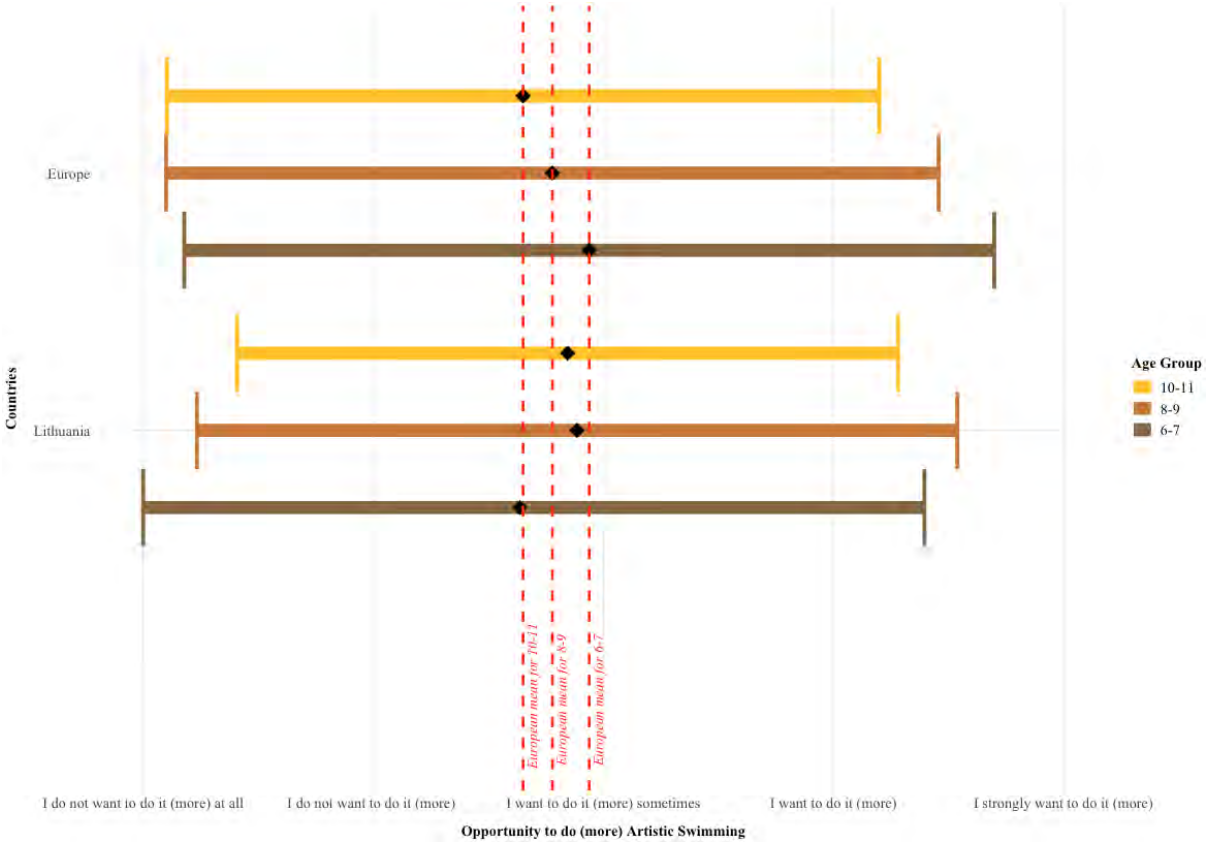


Figure 464. Distribution of the Opportunity to do (more) Artistic Swimming according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 796. Comparative Analysis of the Opportunity to do (more) Artistic Swimming in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	127	737	0.06	0.06	0.24
	8-9 yo	211	967	0.31	0.03	0.12
	10-11 yo	58	823	0.32	0.03	0.08

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 797. Comparative Analysis of the Opportunity to do (more) Artistic Swimming in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	127	211		0.14	0.08	0.27
	8-9 yo *vs* 10-11 yo		211	58	0.84	0.01	0.05
	6-7 yo *vs* 10-11 yo	127		58	0.36	0.06	0.13

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

4. Diving

Overview

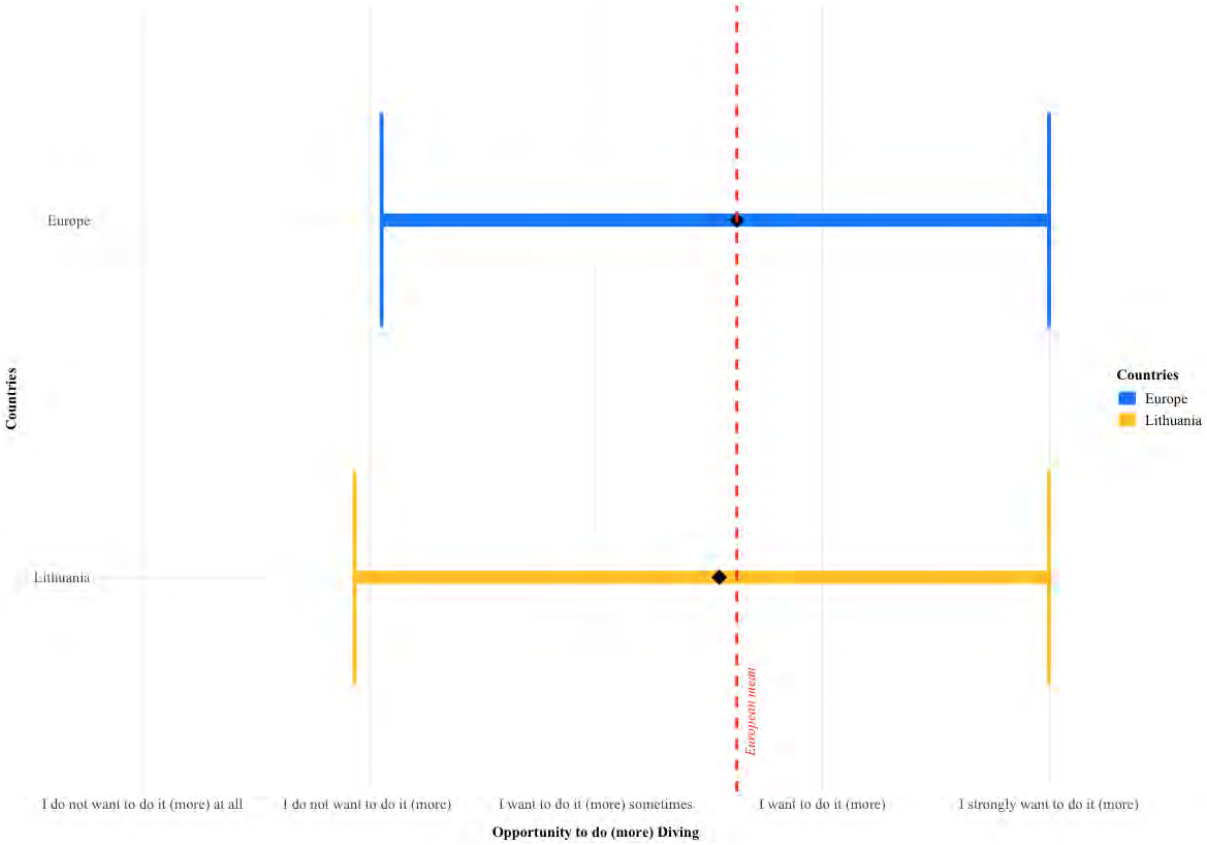


Figure 465. Distribution of the Opportunity to do (more) Diving in Europe and in Lithuania (Mean±SD).

Table 798. Comparative Analysis of the Opportunity to do (more) Diving at School in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	391	2,529	0.41	0.03	0.08

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

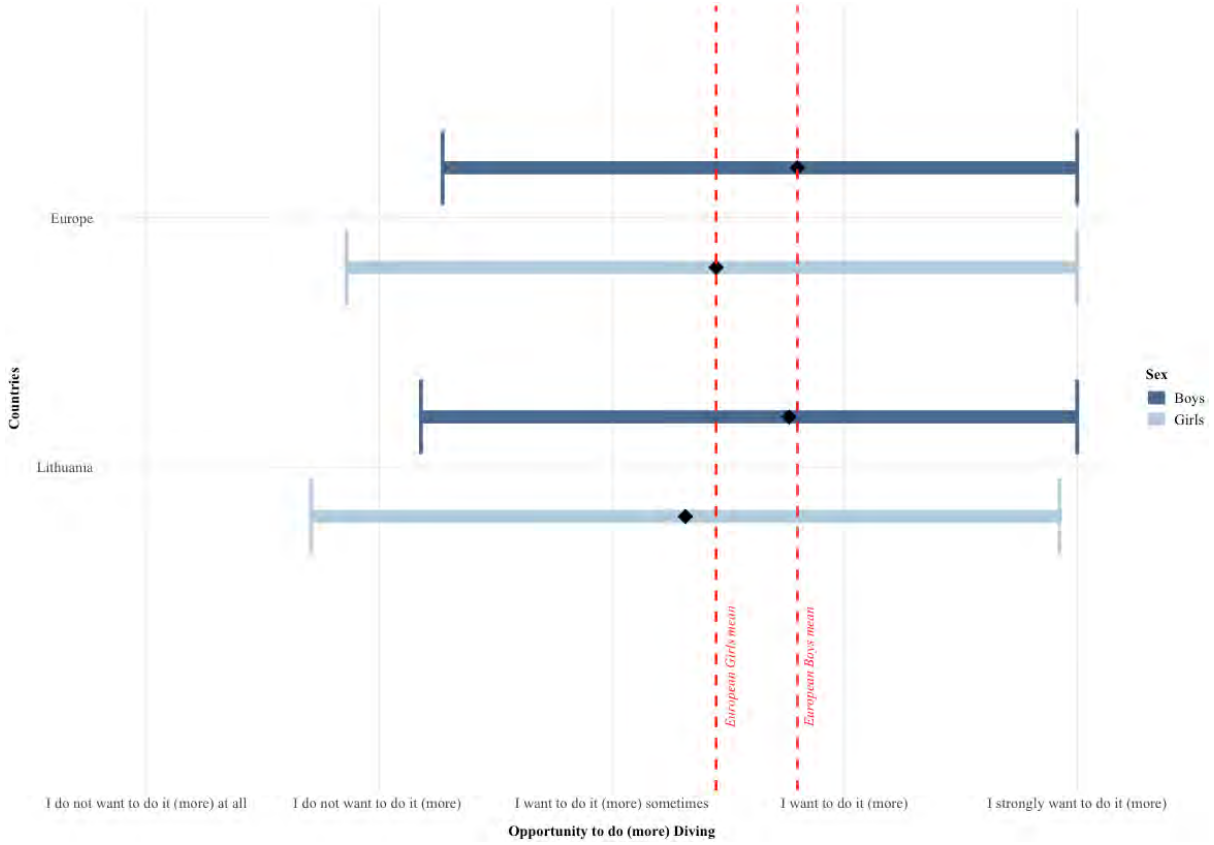


Figure 466. Distribution of the Opportunity to do (more) Diving according to the Sex in Europe and in Lithuania (Mean±SD).

Table 799. Comparative Analysis of the Opportunity to do (more) Diving in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	201	1,261	0.85	0.004	0.05
	Girls	190	1,268	0.29	0.03	0.1

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 800. Comparative Analysis of the Opportunity to do (more) Diving in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	201	190	0.003 **	0.14	0.8

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

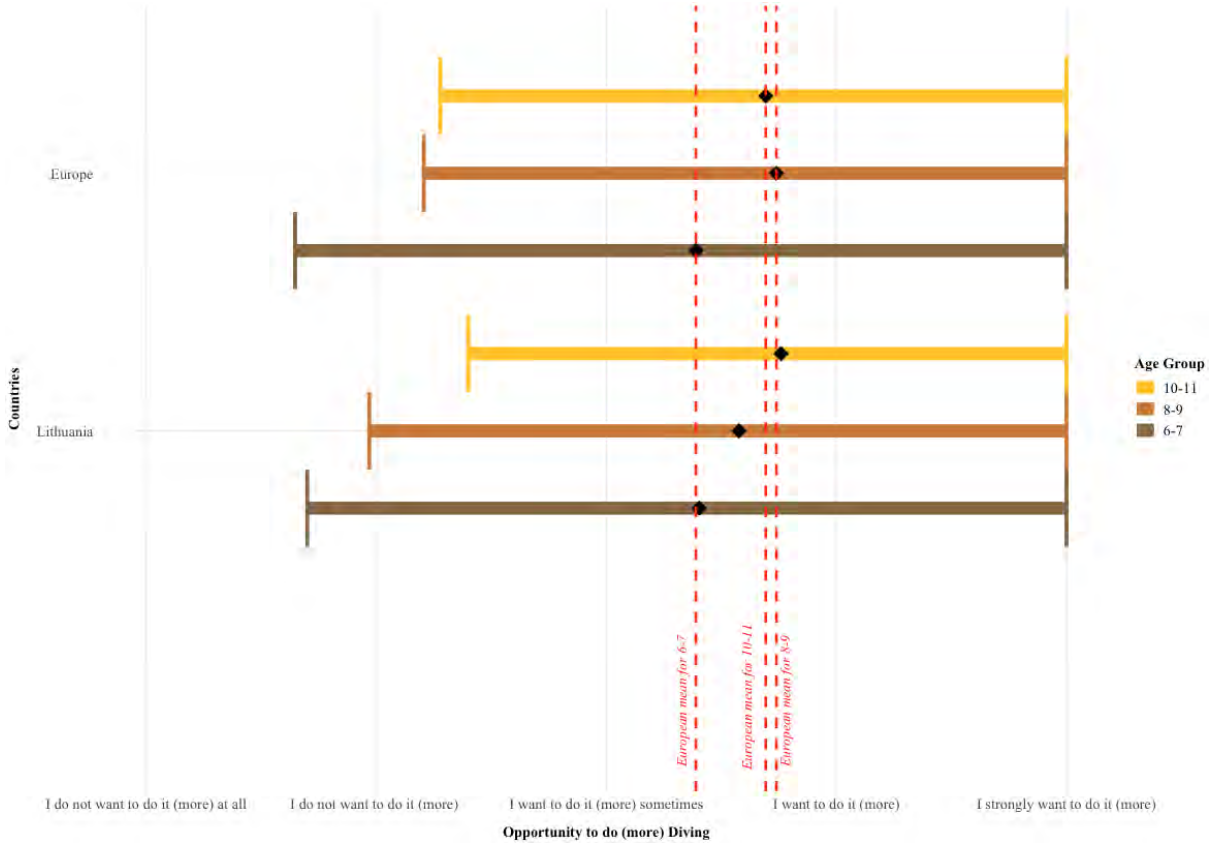


Figure 467. Distribution of the Opportunity to do (more) Diving according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 801. Comparative Analysis of the Opportunity to do (more) Diving in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	129	737	0.92	0.003	0.05
	8-9 yo	208	967	0.21	0.03	0.14
	10-11 yo	54	825	0.85	0.006	0.05

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 802. Comparative Analysis of the Opportunity to do (more) Diving in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	129	208		0.39	0.04	0.12
	8-9 yo *vs* 10-11 yo		208	54	0.79	0.01	0.05
	6-7 yo *vs* 10-11 yo	129		54	0.39	0.06	0.11

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

5. Water sport 1

Overview

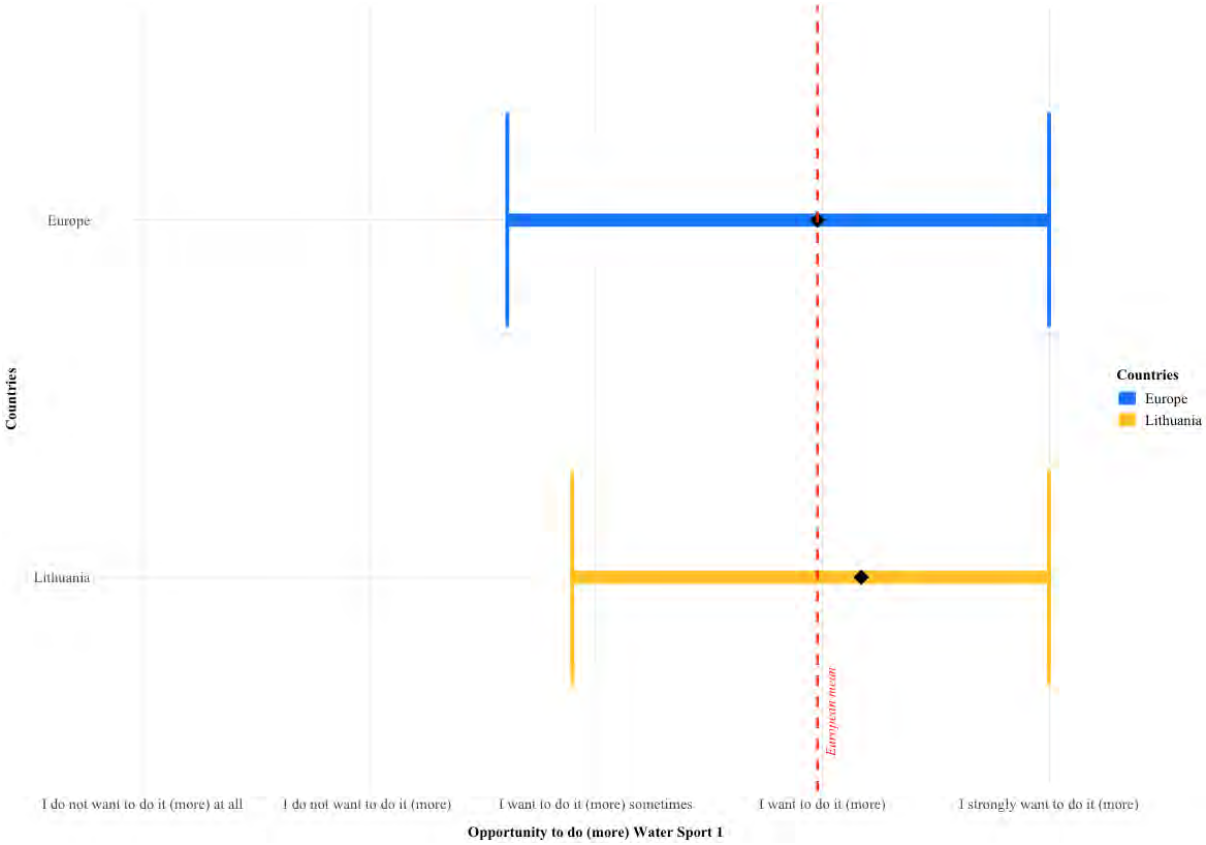


Figure 468. Distribution of the Opportunity to do (more) Water Sport 1in Europe and in Lithuania (Mean±SD).

Table 803. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	385	2,537	0.004 **	0.1	0.42

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

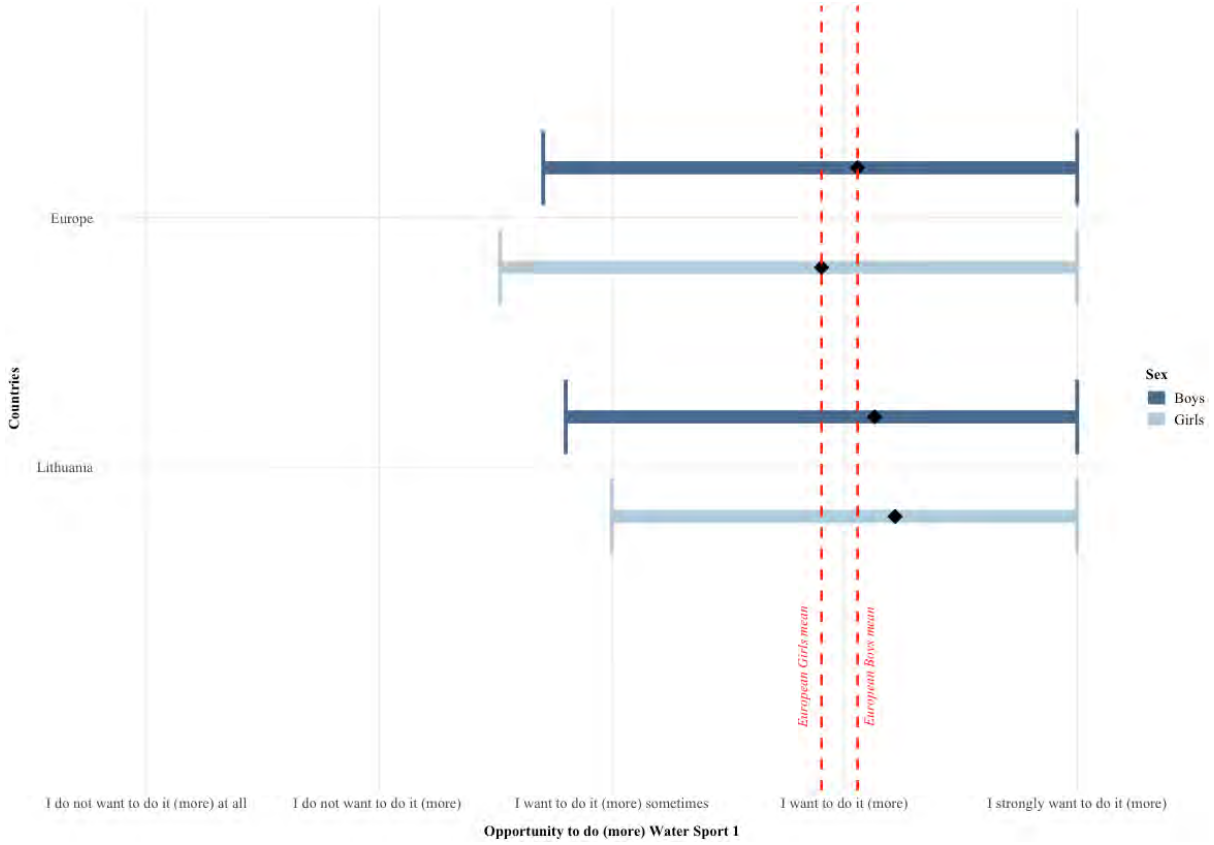


Figure 469. Distribution of the Opportunity to do (more) Water Sport 1according to the Sex in Europe and in Lithuania (Mean±SD).

Table 804. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	201	1,265	0.28	0.02	0.1
	Girls	184	1,272	0.003 **	0.07	0.45

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 805. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	201	184	0.91	0.005	0.05

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

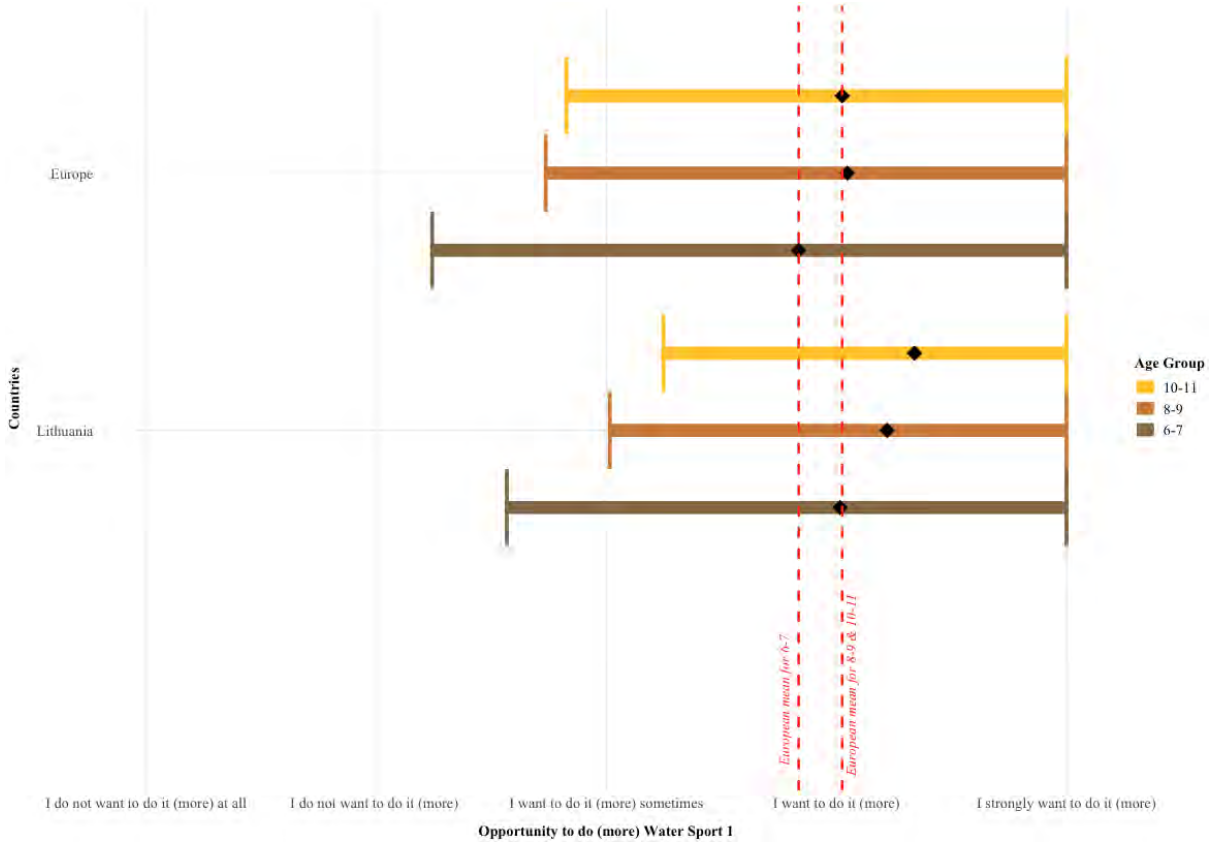


Figure 470. Distribution of the Opportunity to do (more) Water Sport 1according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 806. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	123	743	0.35	0.03	0.09
	8-9 yo	209	967	0.08	0.05	0.23
	10-11 yo	53	827	0.03	0.07	0.16

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 807. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	123	209		0.48	0.03	0.09
	8-9 yo *vs* 10-11 yo		209	53	0.67	0.02	0.06
	6-7 yo *vs* 10-11 yo	123		53	0.4	0.06	0.1

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

6. Water sport 2

Overview

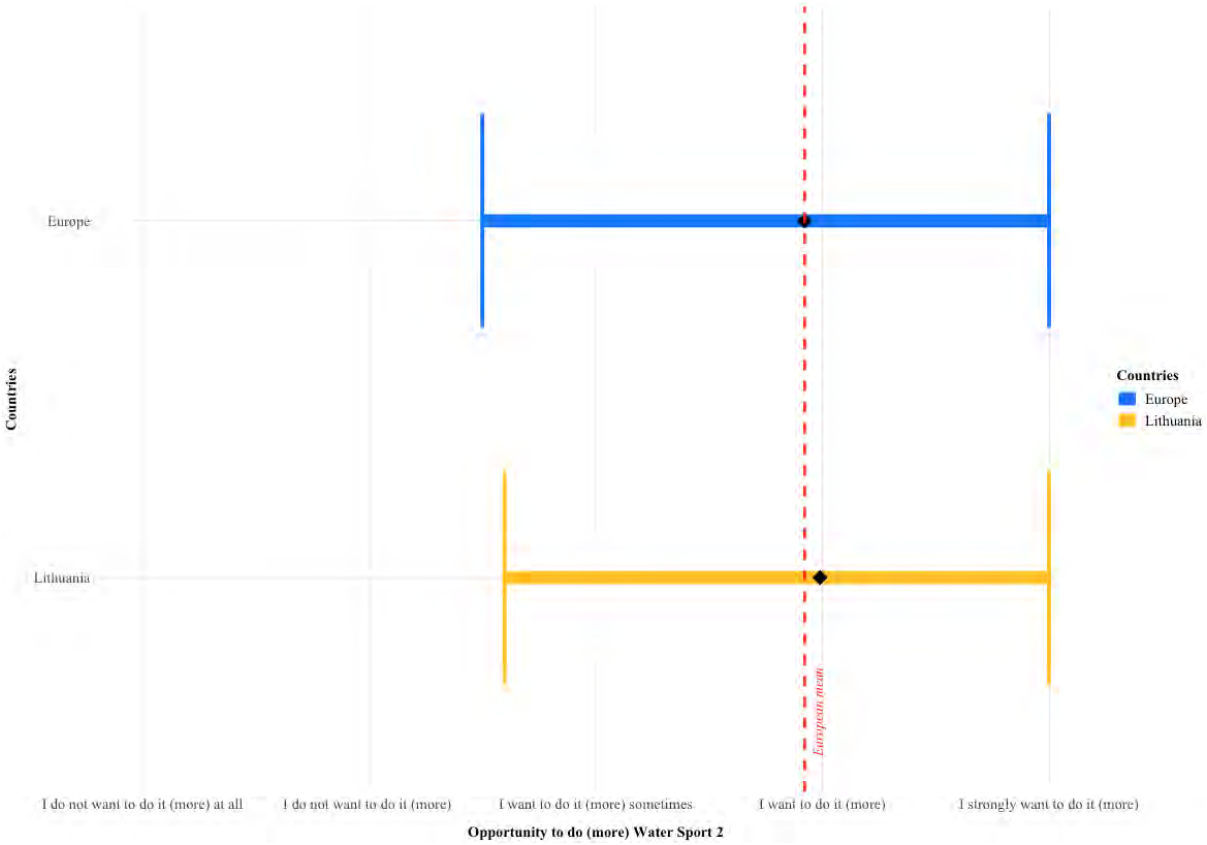


Figure 471. Distribution of the Opportunity to do (more) Water Sport 2 in Europe and in Lithuania (Mean±SD).

Table 808. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	391	2,529	0.33	0.03	0.09

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

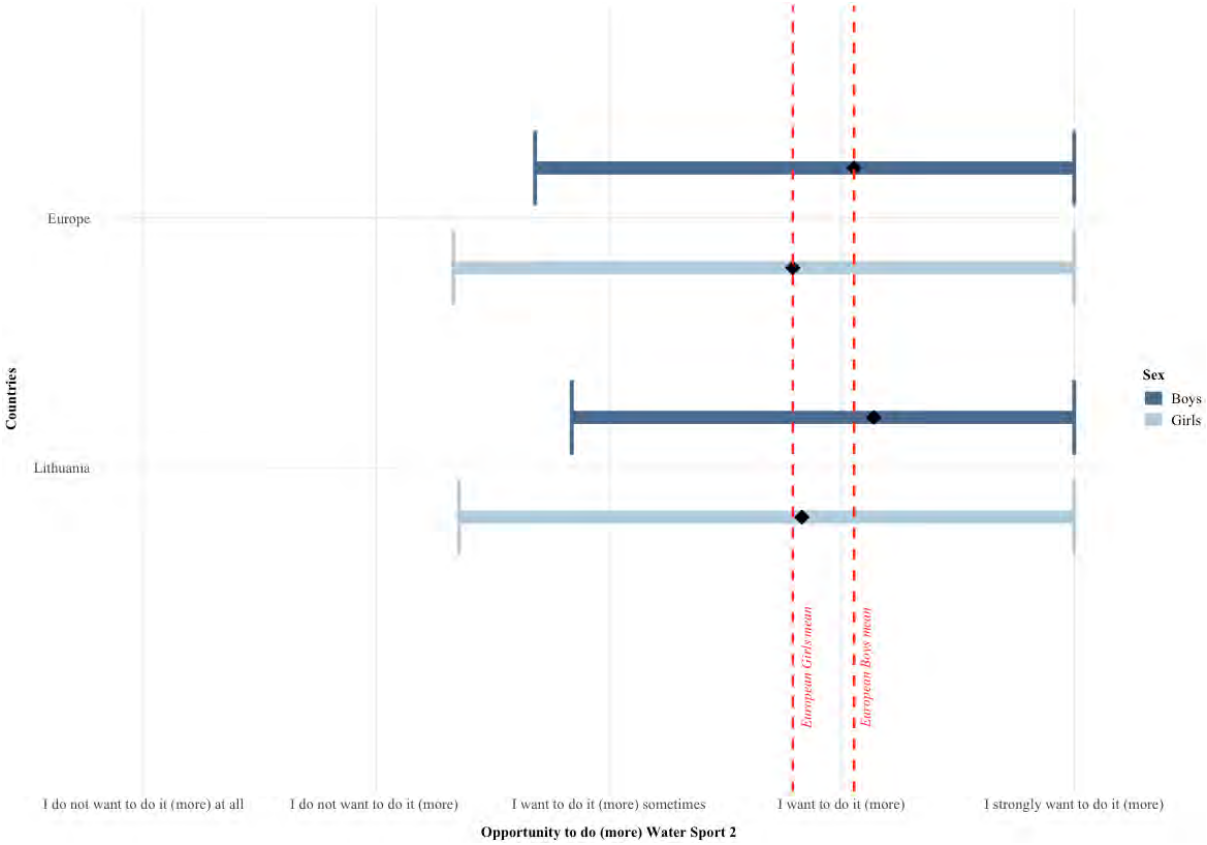


Figure 472. Distribution of the Opportunity to do (more) Water Sport 2 according to the Sex in Europe and in Lithuania (Mean±SD).

Table 809. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	203	1,258	0.55	0.01	0.07
	Girls	188	1,271	0.54	0.01	0.07

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 810. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	203	188	0.04 *	0.09	0.45

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

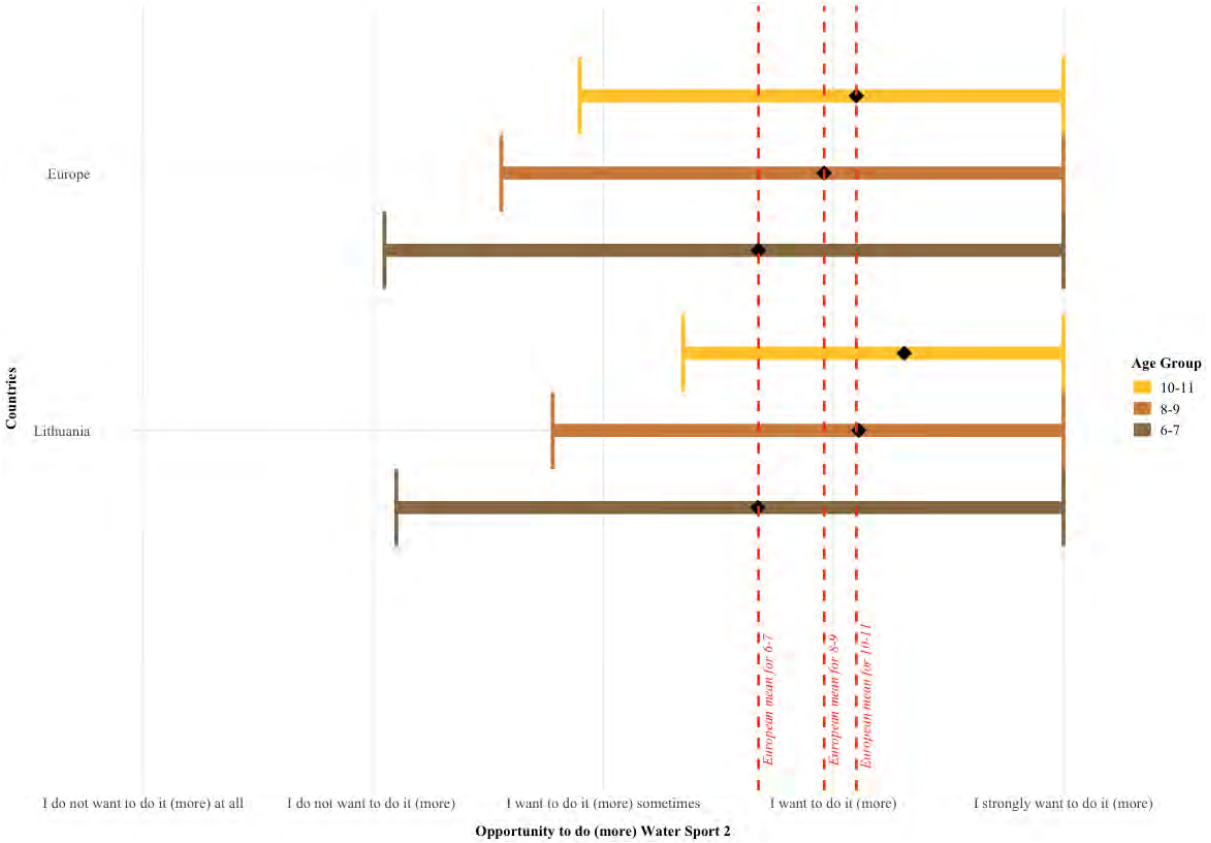


Figure 473. Distribution of the Opportunity to do (more) Water Sport 2 according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 811. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	131	740	0.79	0.008	0.05
	8-9 yo	208	966	0.13	0.04	0.18
	10-11 yo	52	823	0.38	0.03	0.07

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 812. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	131	208		0.01 *	0.12	0.6
	8-9 yo *vs* 10-11 yo		208	52	0.88	0.008	0.05
	6-7 yo *vs* 10-11 yo	131		52	0.04 *	0.14	0.39

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

7. Water sport 3

Overview

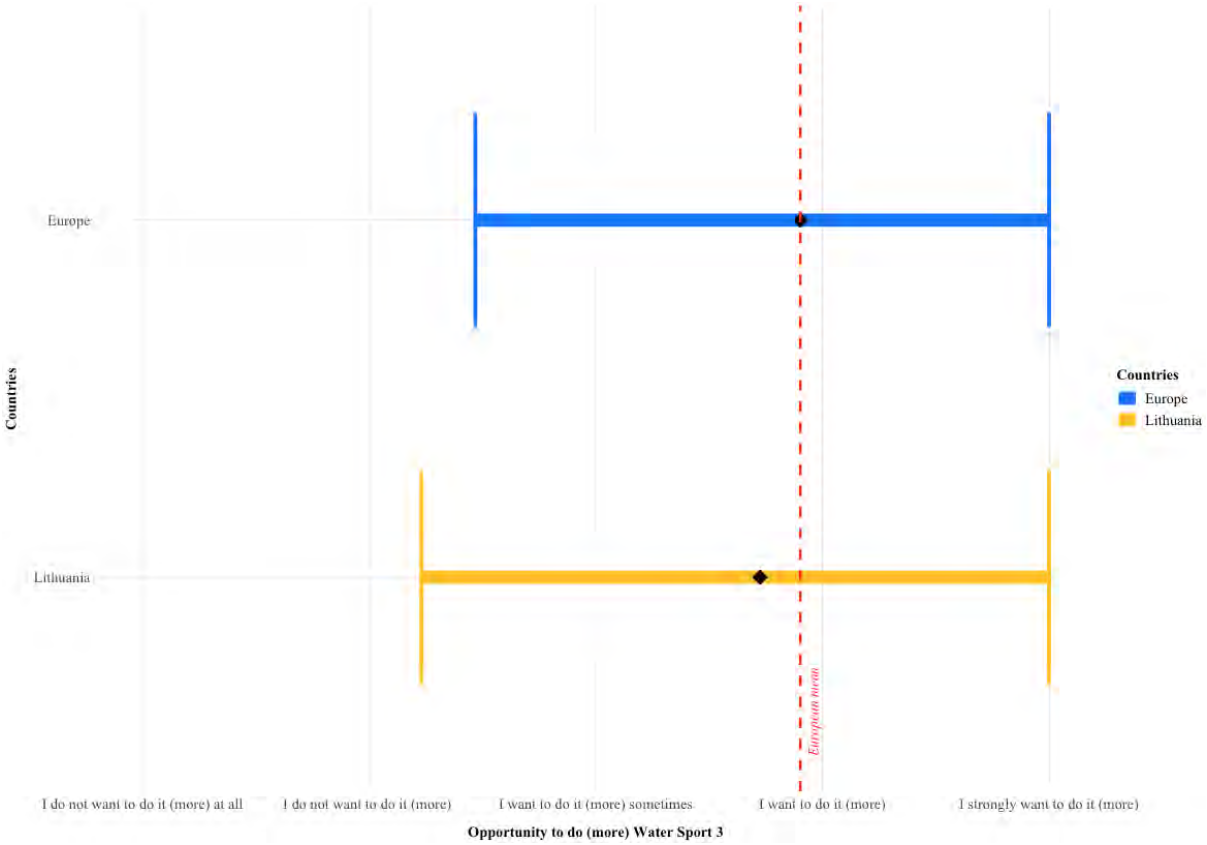


Figure 474. Distribution of the Opportunity to do (more) Water Sport 3 in Europe and in Lithuania (Mean±SD).

Table 813. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	396	2,520	0.02 *	0.08	0.29

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

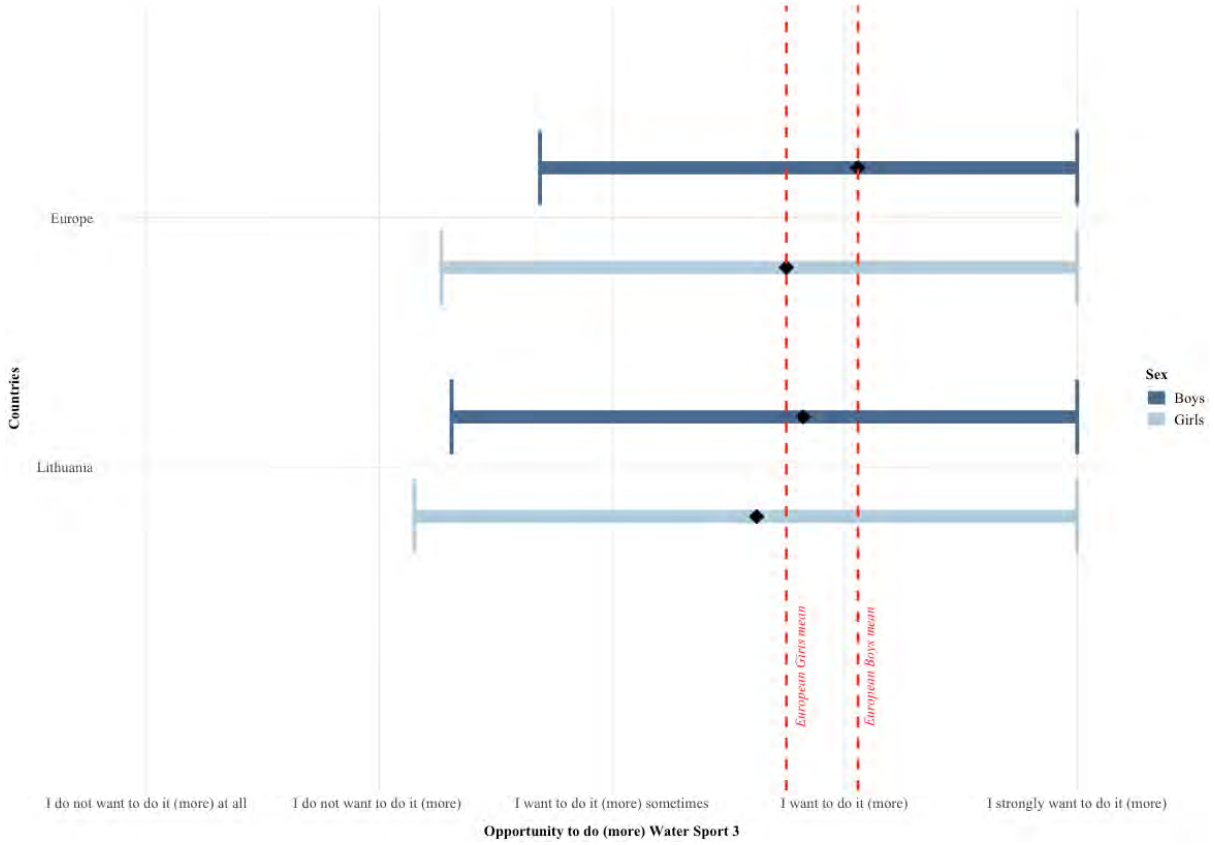


Figure 475. Distribution of the Opportunity to do (more) Water Sport 3 according to the Sex in Europe and in Lithuania (Mean±SD).

Table 814. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	203	1,253	0.04 *	0.05	0.25
	Girls	193	1,267	0.23	0.03	0.12

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 815. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	203	193	0.12	0.07	0.31

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

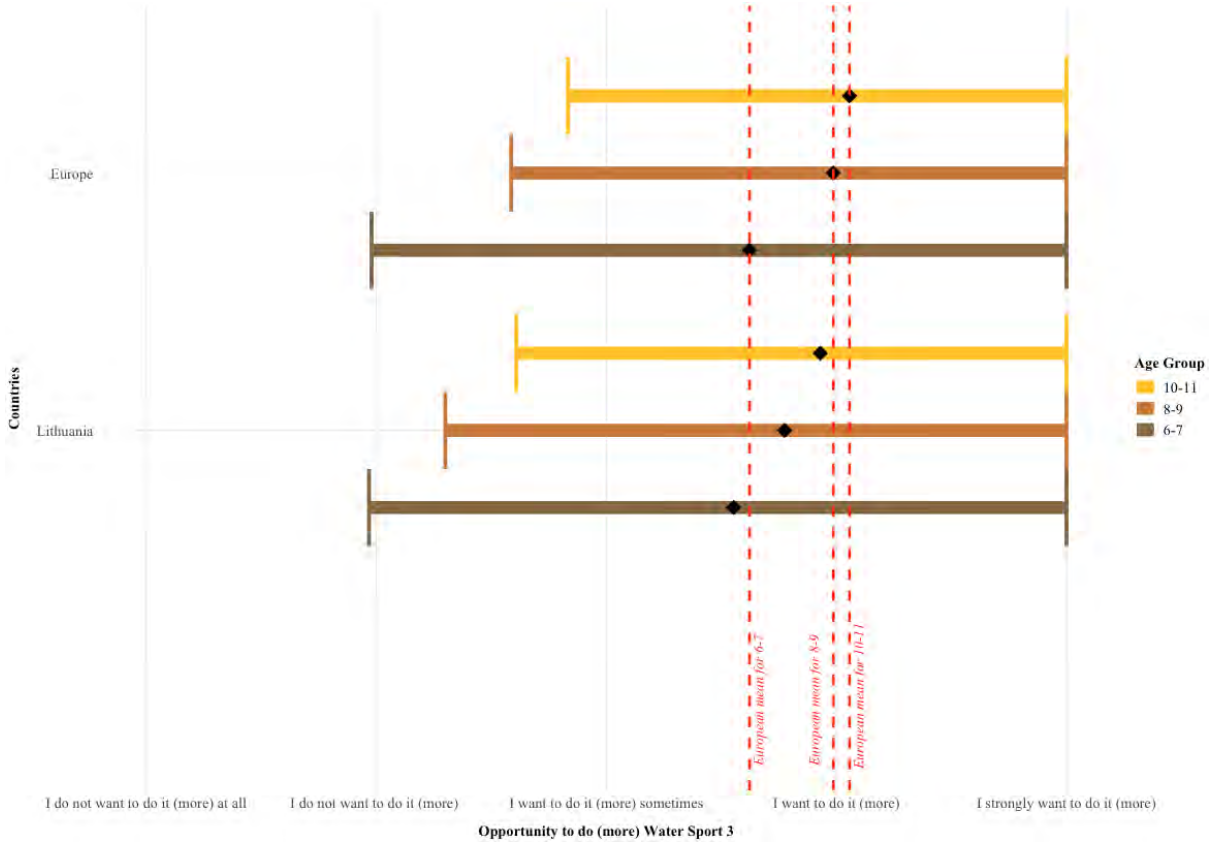


Figure 476. Distribution of the Opportunity to do (more) Water Sport 3 according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 816. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	130	739	0.48	0.02	0.07
	8-9 yo	209	957	0.05 *	0.05	0.28
	10-11 yo	57	824	0.52	0.02	0.06

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 817. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	130	209		0.23	0.06	0.2
	8-9 yo *vs* 10-11 yo		209	57	0.67	0.02	0.06
	6-7 yo *vs* 10-11 yo	130		57	0.21	0.09	0.19

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

8. Water sport 4

Overview

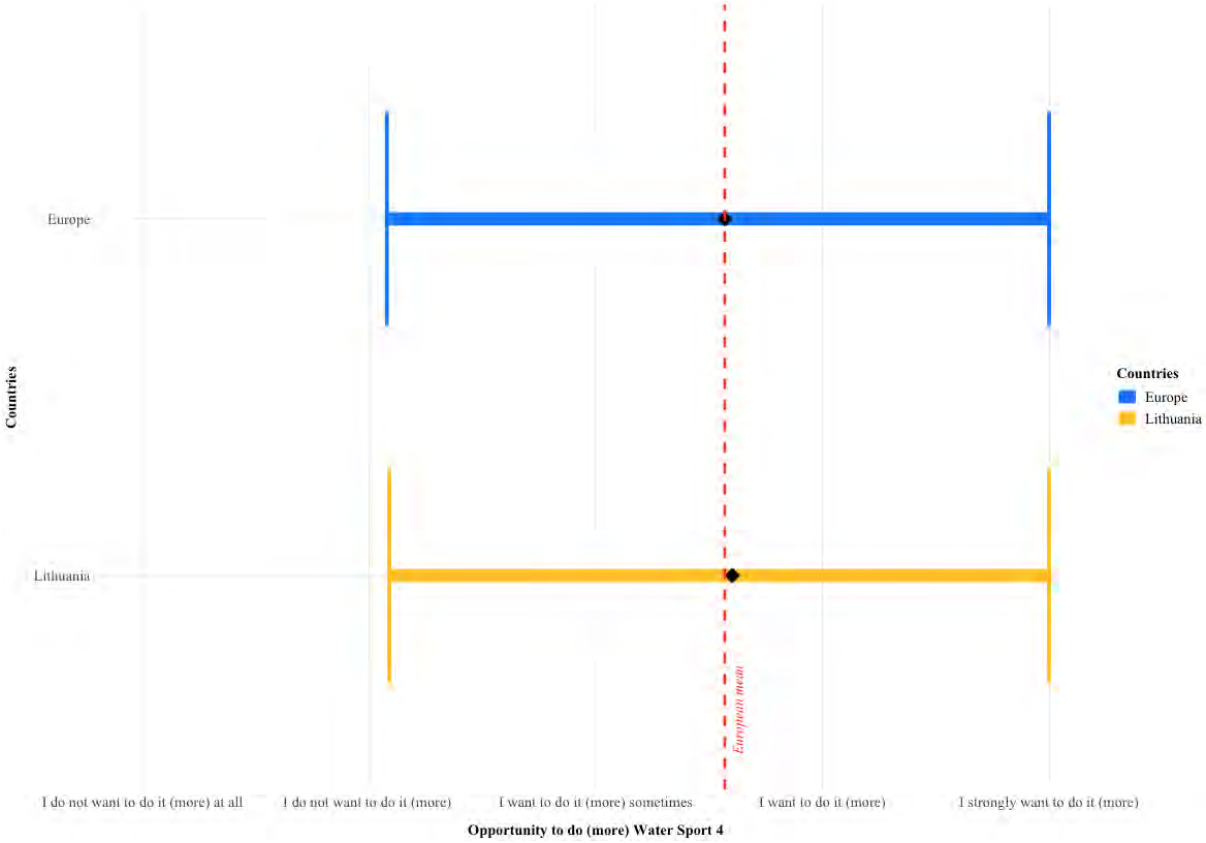


Figure 477. Distribution of the Opportunity to do (more) Water Sport 4 in Europe and in Lithuania (Mean±SD).

Table 818. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	400	2,526	0.64	0.02	0.06

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

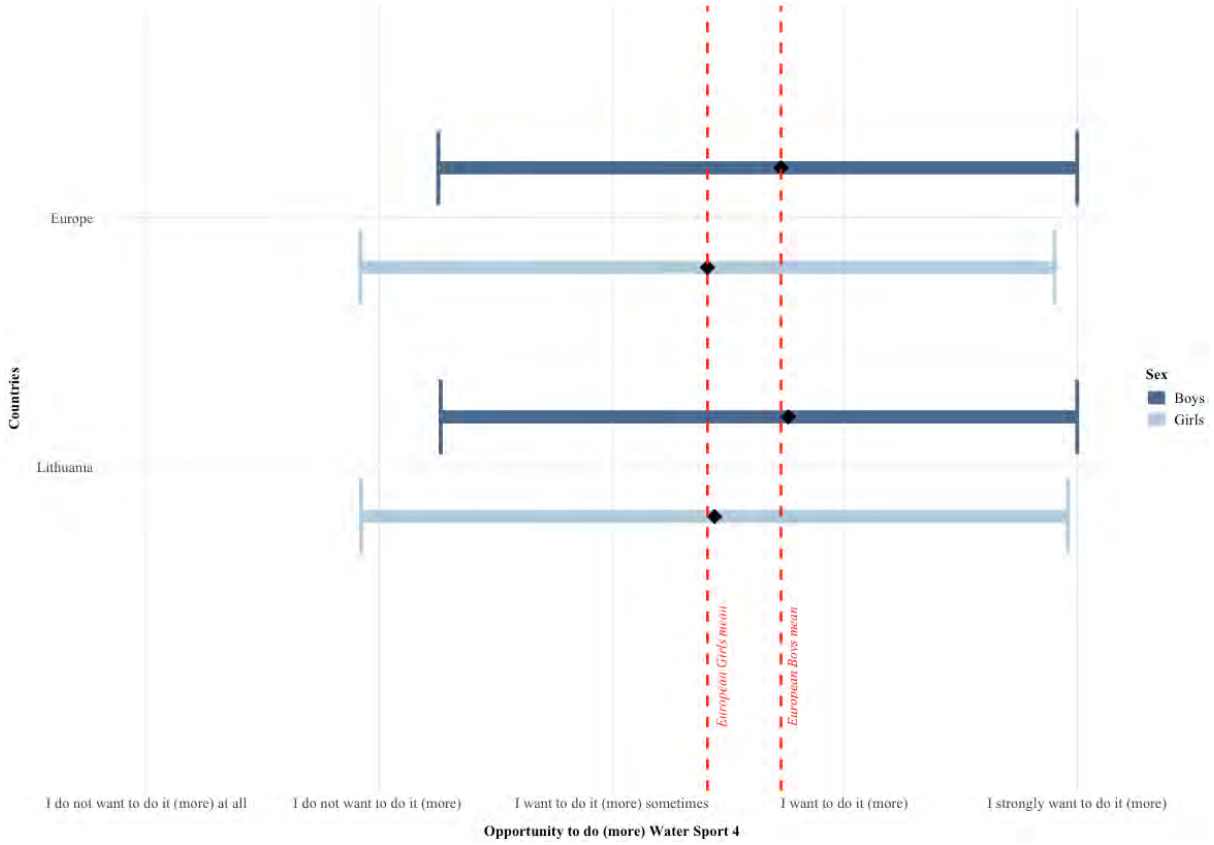


Figure 478. Distribution of the Opportunity to do (more) Water Sport 4 according to the Sex in Europe and in Lithuania (Mean±SD).

Table 819. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	203	1,263	0.72	0.009	0.06
	Girls	197	1,263	0.77	0.007	0.05

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 820. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	203	197	0.01 *	0.12	0.65

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

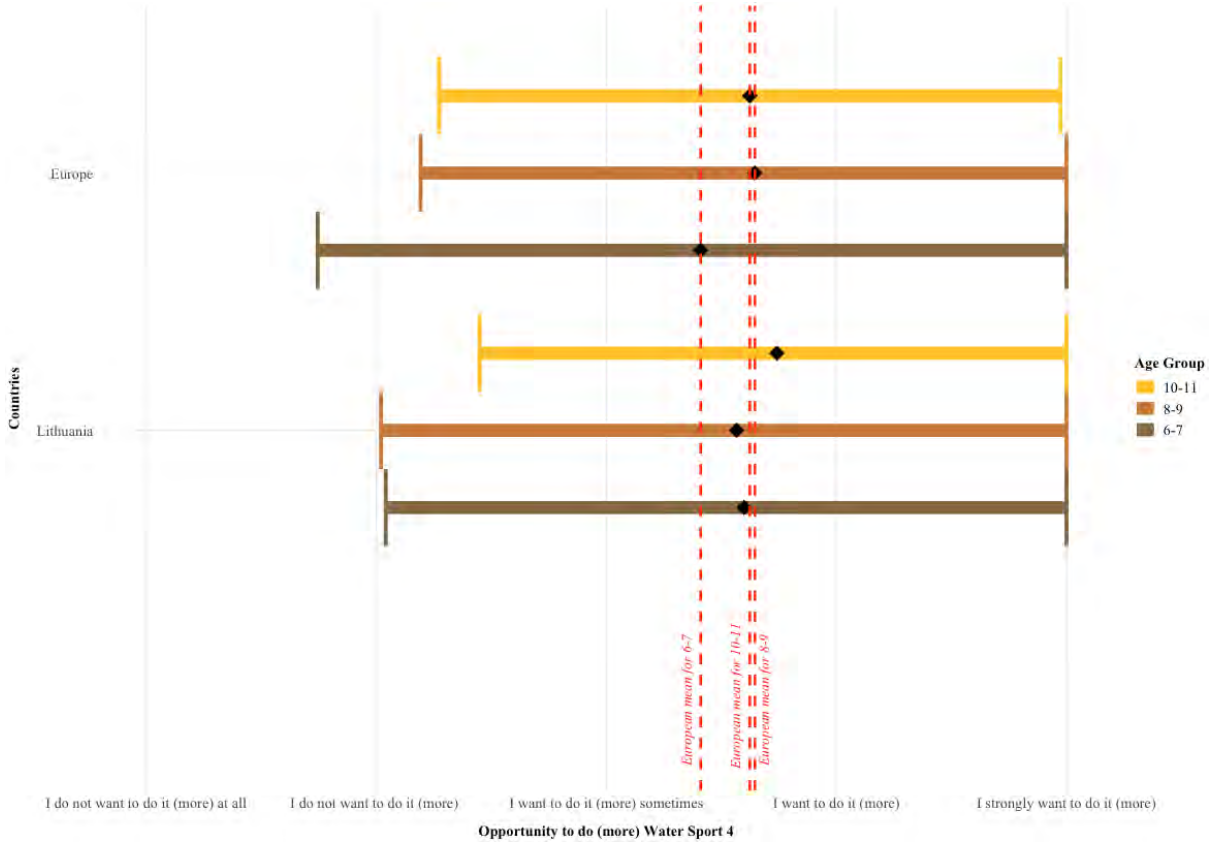


Figure 479. Distribution of the Opportunity to do (more) Water Sport 4 according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 821. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	132	746	0.45	0.02	0.08
	8-9 yo	210	962	0.68	0.01	0.06
	10-11 yo	58	818	0.59		0.06

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 822. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	132	210		0.9	0.006	0.05
	8-9 yo *vs* 10-11 yo		210	58	0.82	0.01	0.05
	6-7 yo *vs* 10-11 yo	132		58	0.97	0.003	0.05

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

g. Risk perceptions

1. Low risks in the swimming pool

Overview

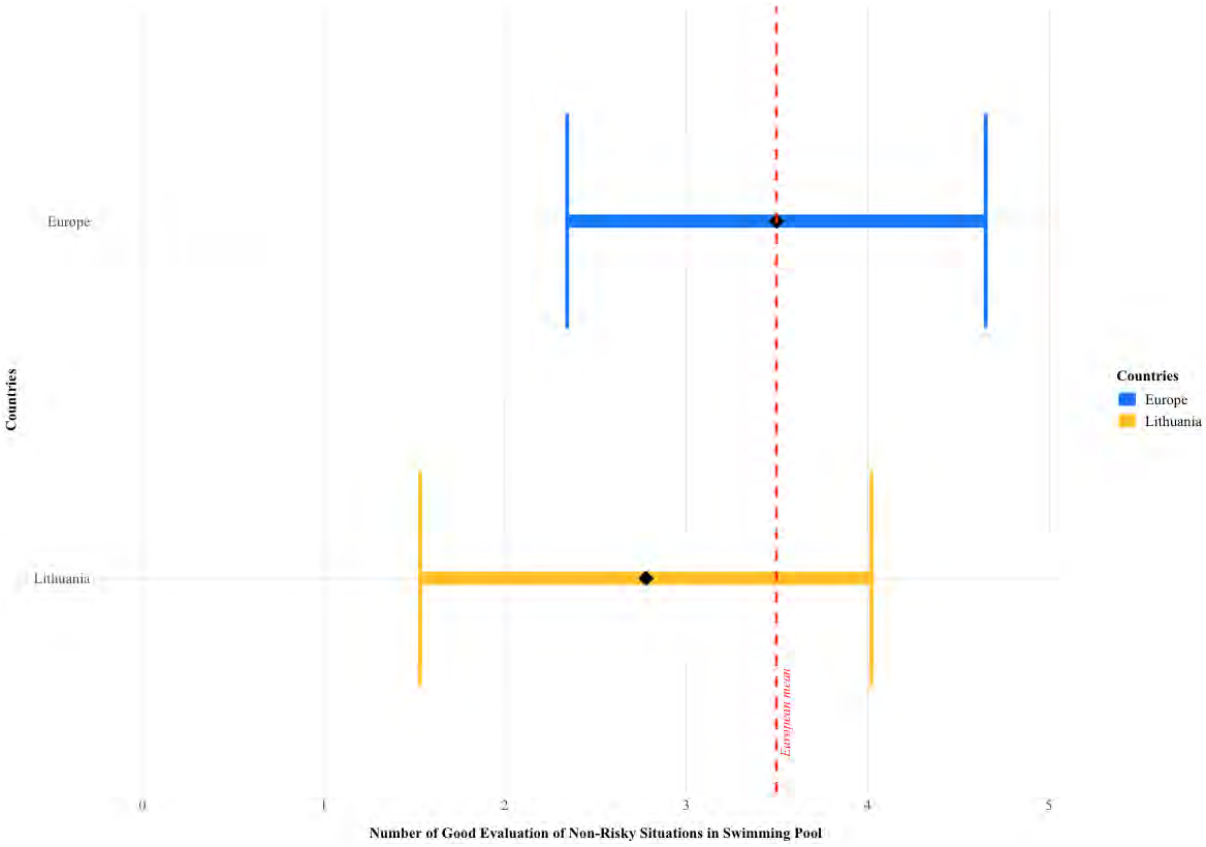


Figure 480. Distribution of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Europe and in Lithuania (Mean±SD).

Table 823. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* **Europe**	421	2,567	4.98^{e-29} ***	0.4	1

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

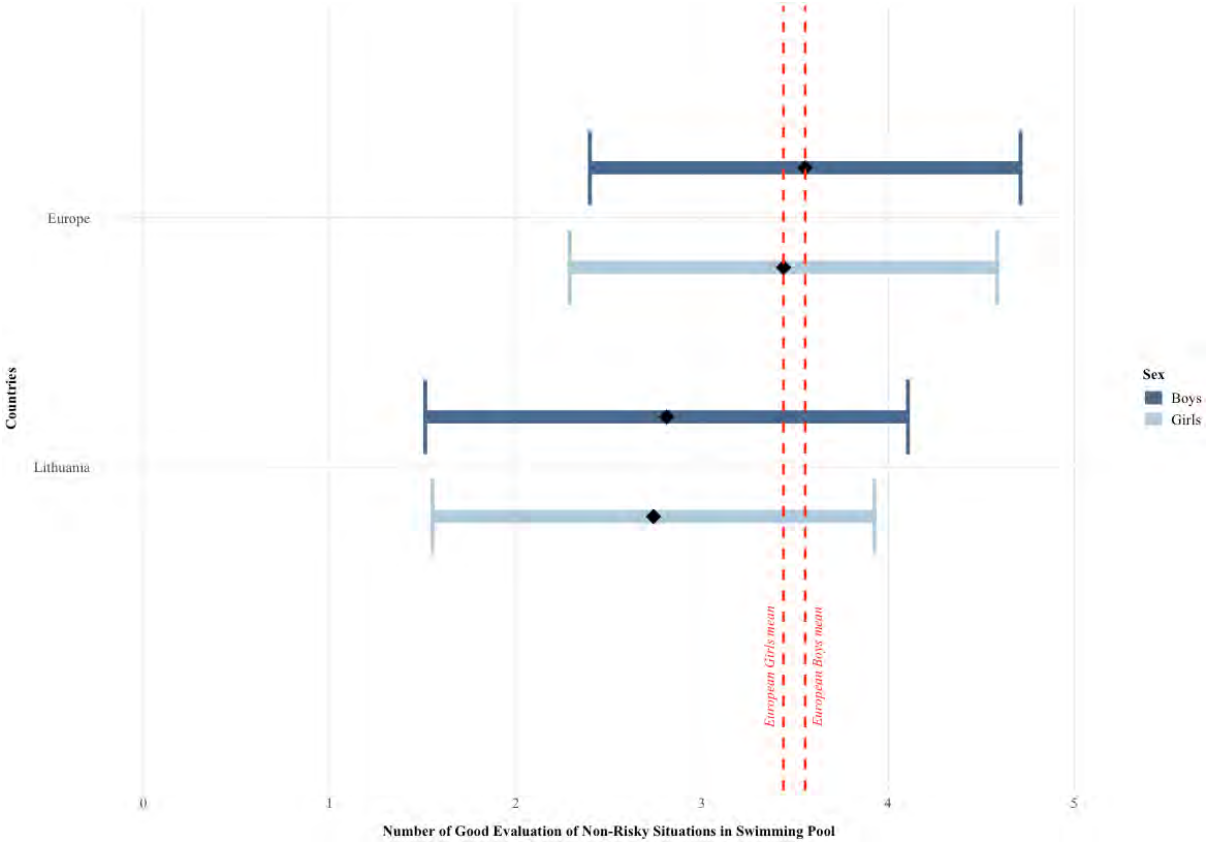


Figure 481. Distribution of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool according to the Sex in Europe and in Lithuania (Mean±SD).

Table 824. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	221	1,276	8.16^{e-16} ***	0.2	1
	Girls	200	1,291	4.91^{e-15} ***	0.2	1

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 825. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	221	200	0.43	0.04	0.12

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

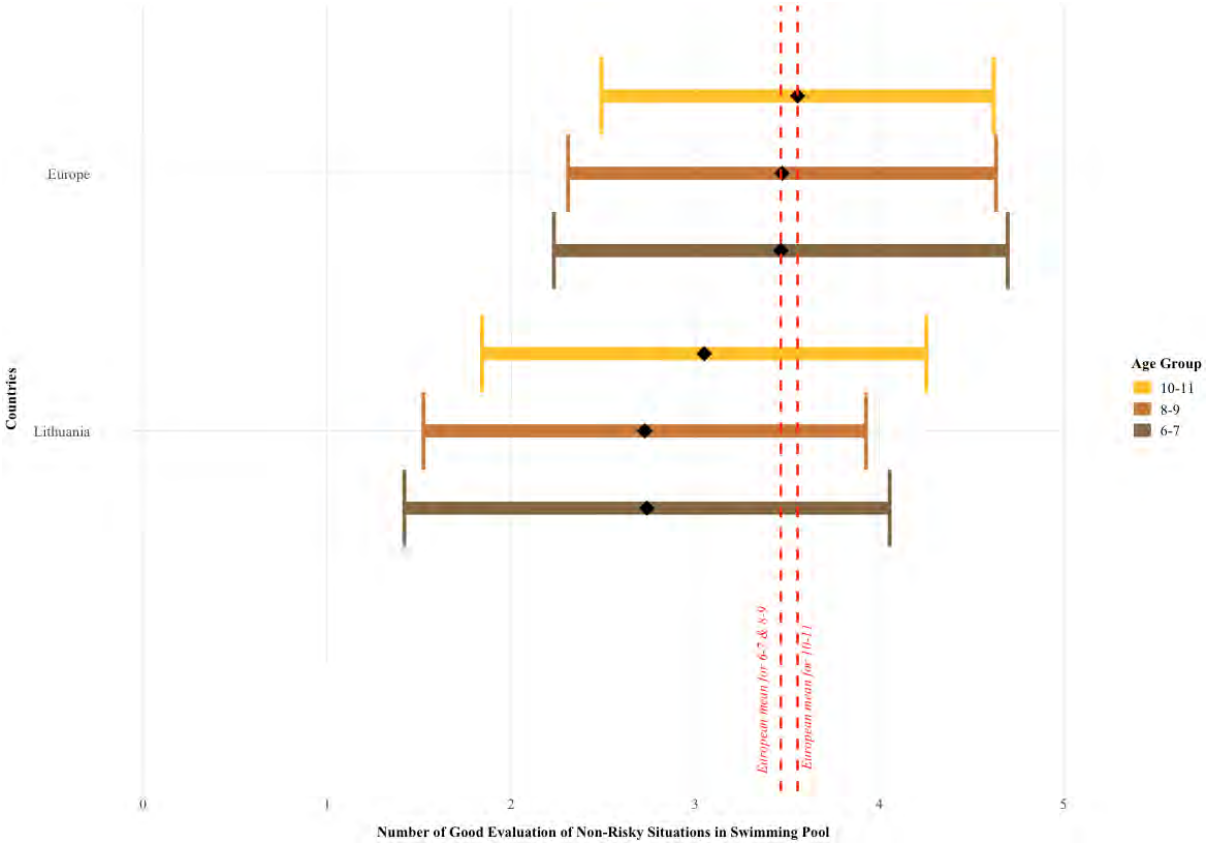


Figure 482. Distribution of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 826. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	141	758	1.33^{e-09} ***	0.2	0.99
	8-9 yo	218	979	1.47^{e-16} ***	0.23	1
	10-11 yo	62	830	8.63^{e-04} ***	0.11	0.37

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 827. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	141	218		0.76	0.01	0.06
	8-9 yo *vs* 10-11 yo		218	62	0.06	0.11	0.33
	6-7 yo *vs* 10-11 yo	141		62	0.13	0.1	0.27

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

2. High risks in the swimming pool

Overview

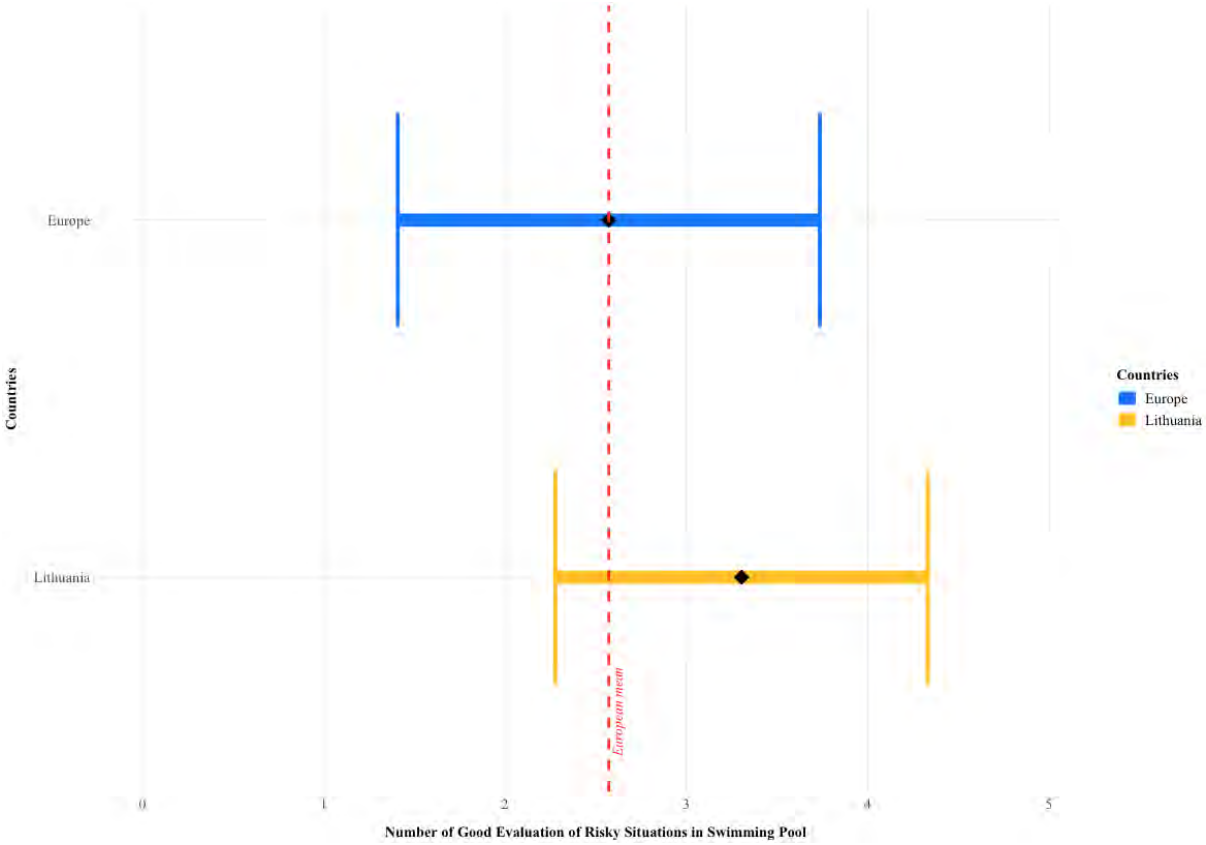


Figure 483. Distribution of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Europe and in Lithuania (Mean±SD).

Table 828. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	421	2,564	4.32^{e-36} ***	0.45	1

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

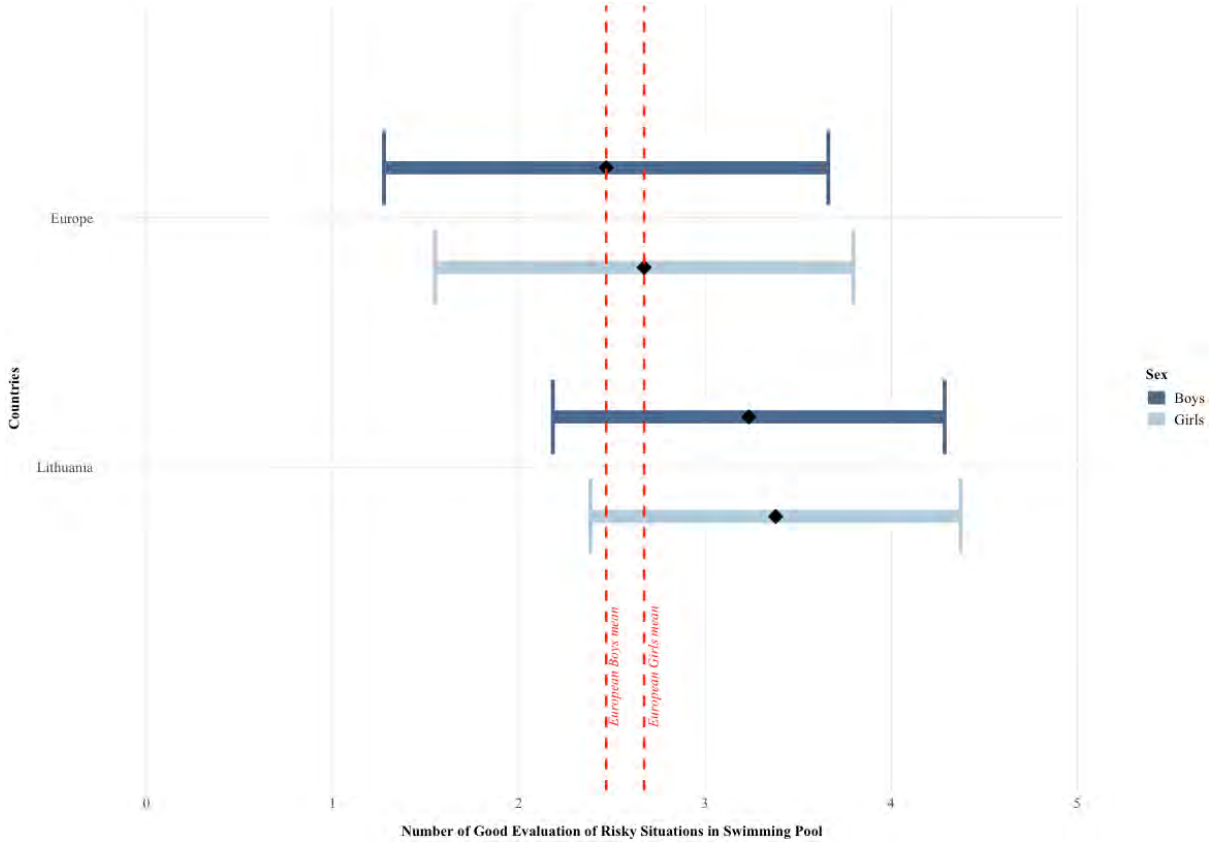


Figure 484. Distribution of the Number of Good Evaluation of Risky Situations in the Swimming Pool according to the Sex in Europe and in Lithuania (Mean±SD).

Table 829. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	Boys	221	1,275	3.9^{e-20} ***	0.23	1
	Girls	200	1,289	4^{e-18} ***	0.22	1

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 830. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania	Boys *vs* Girls	221	200	0.17	0.06	0.25

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

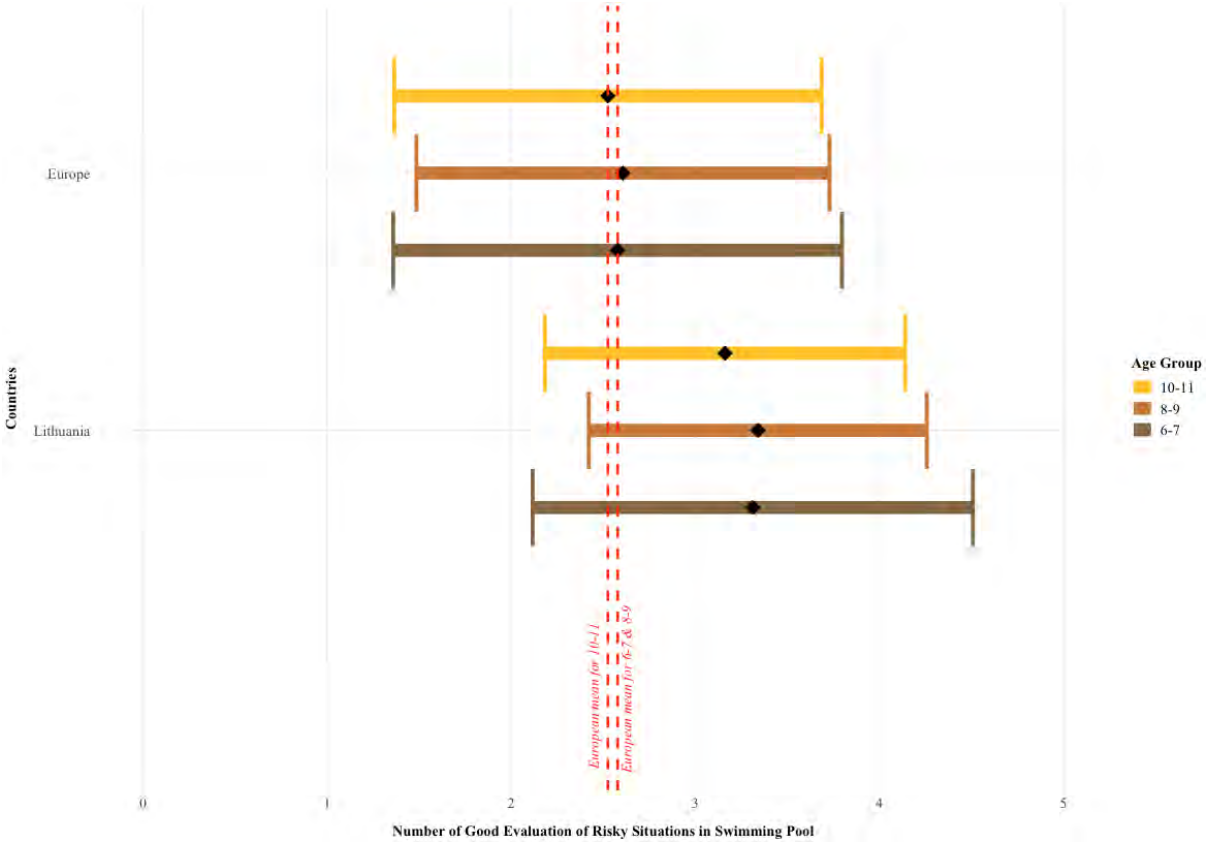


Figure 485. Distribution of the Number of Good Evaluation of Risky Situations in the Swimming Pool according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 831. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	141	755	2.1^{e-11} ***	0.22	1
	8-9 yo	218	979	1.91^{e-20} ***	0.26	1
	10-11 yo	62	830	4.98^{e-06} ***	0.15	0.62

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 832. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	141	218		0.78	0.01	0.06
	8-9 yo *vs* 10-11 yo		218	62	0.24	0.06	0.15
	6-7 yo *vs* 10-11 yo	141		62	0.24	0.08	0.17

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

3. Low risks in open water

Overview

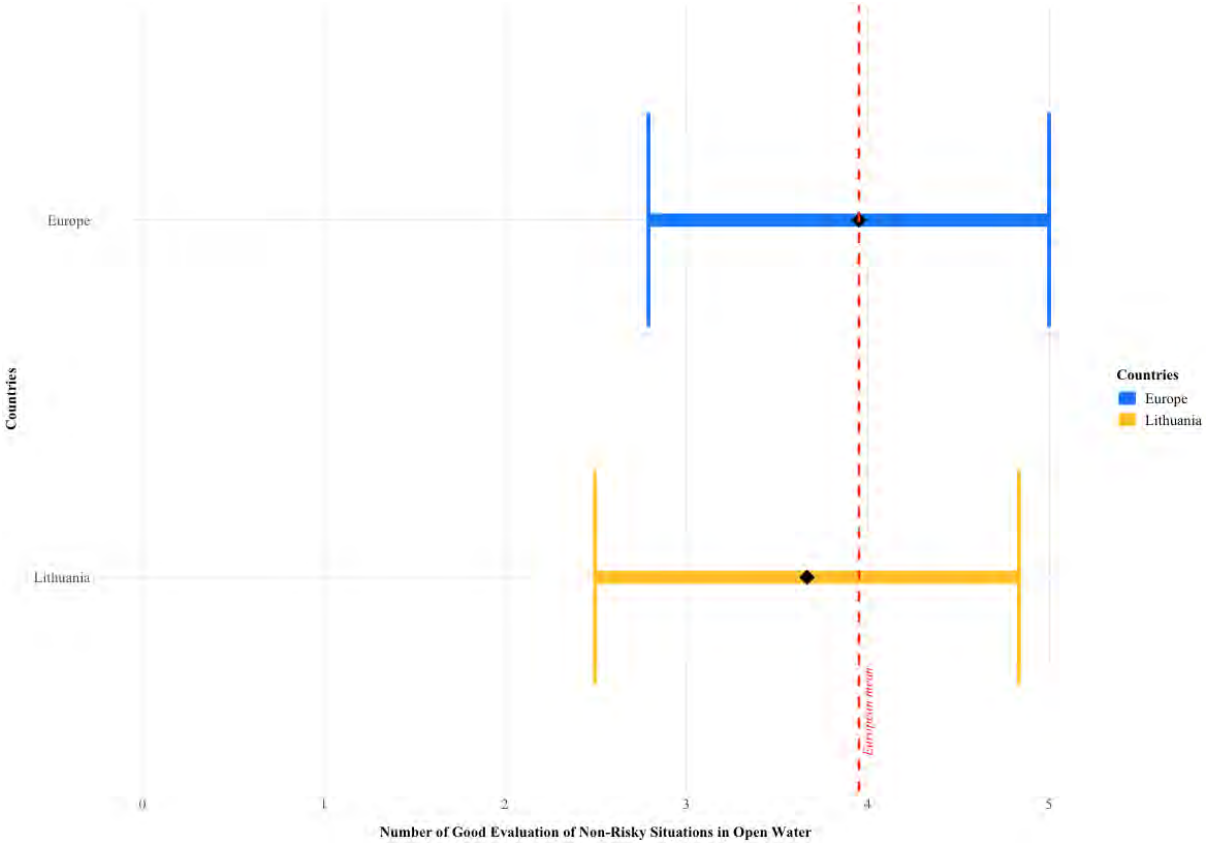


Figure 486. Distribution of the Number of Good Evaluation of Non-Risky Situations in Open Water in Europe and in Lithuania (Mean±SD).

Table 833. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	421	2,559	6.8^{e-08} ***	0.19	0.95

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

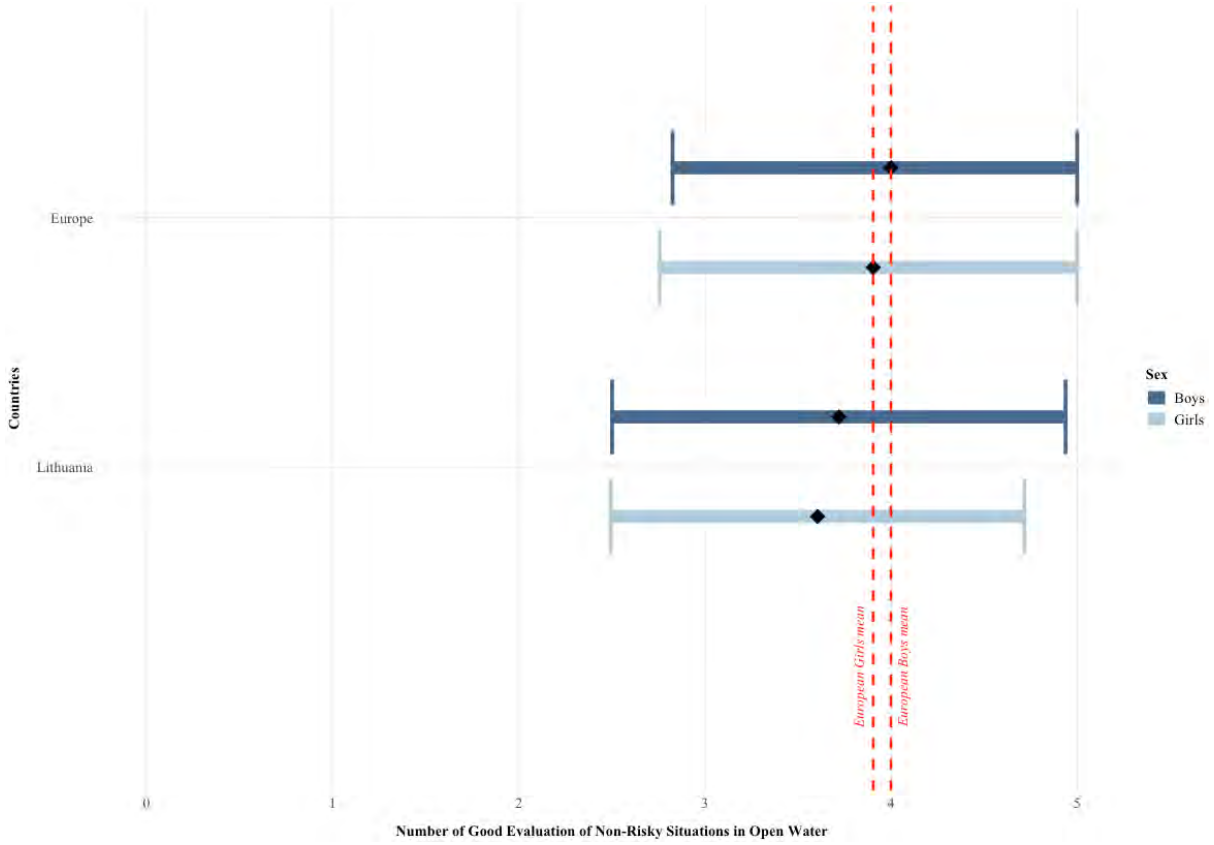


Figure 487. Distribution of the Number of Good Evaluation of Non-Risky Situations in Open Water according to the Sex in Europe and in Lithuania (Mean±SD).

Table 834. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	221	1,273	2.89^{e-04} ***	0.09	0.68
	Girls	200	1,286	4.13^{e-05} ***	0.1	0.77

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 835. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	221	200	0.14	0.07	0.29

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

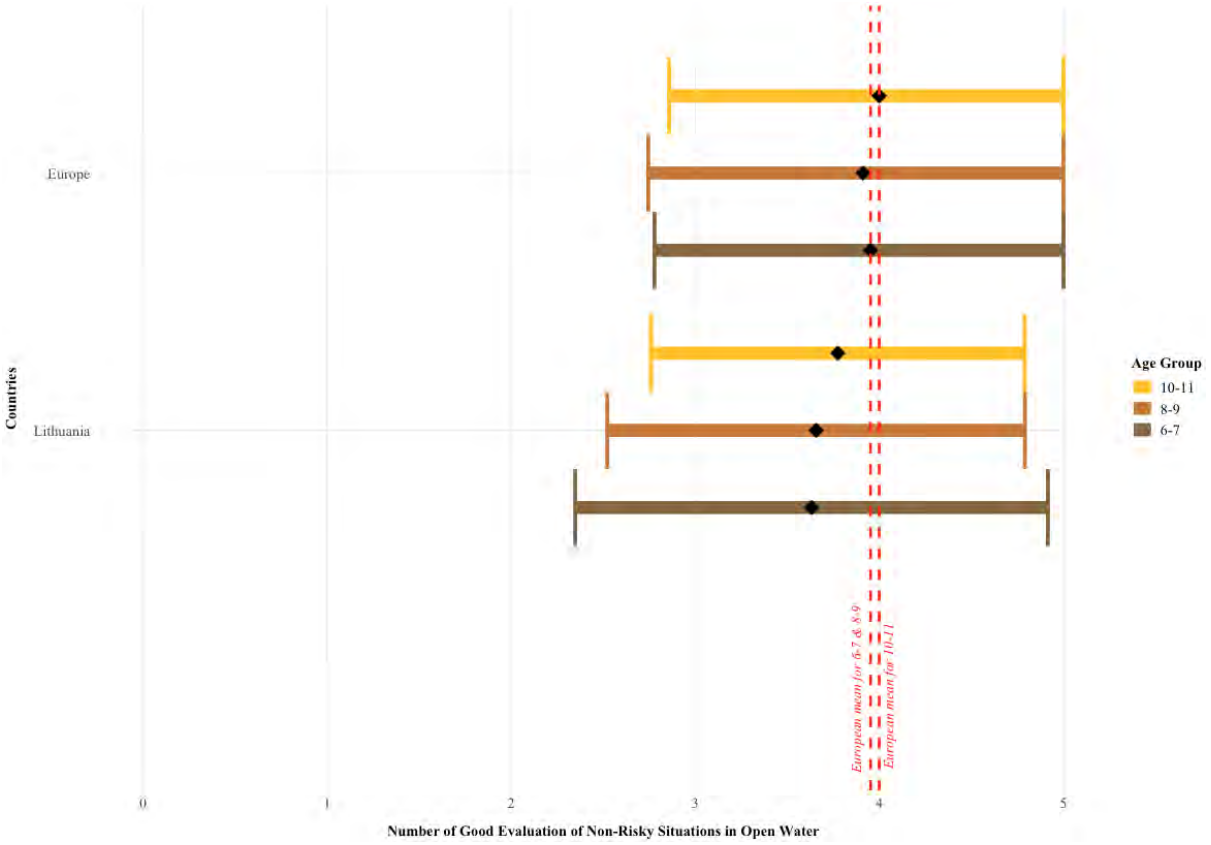


Figure 488. Distribution of the Number of Good Evaluation of Non-Risky Situations in Open Water according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 836. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	141	753	0.003 **	0.09	0.53
	8-9 yo	218	979	4^{e-04} ***	0.1	0.74
	10-11 yo	62	827	0.03 *	0.07	0.19

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 837. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	141	218		0.85	0.009	0.05
	8-9 yo *vs* 10-11 yo		218	62	0.54	0.03	0.08
	6-7 yo *vs* 10-11 yo	141		62	0.72	0.02	0.06

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

4. High risks in open water

Overview

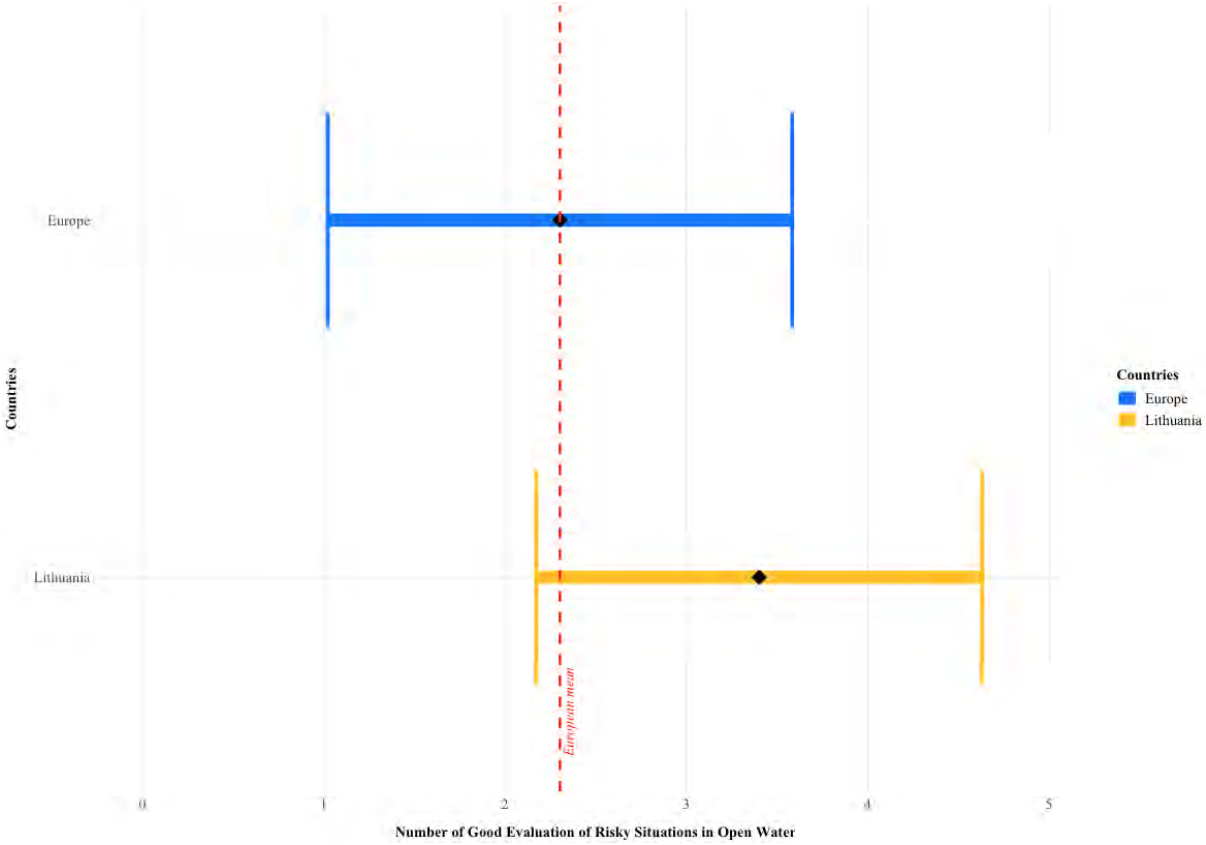


Figure 489. Distribution of the Number of Good Evaluation of Risky Situations in Open Water in Europe and in Lithuania (Mean±SD).

Table 838. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* **Europe**	421	2,558	$1.52^{e\text{-}54}$ ***	0.58	1

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

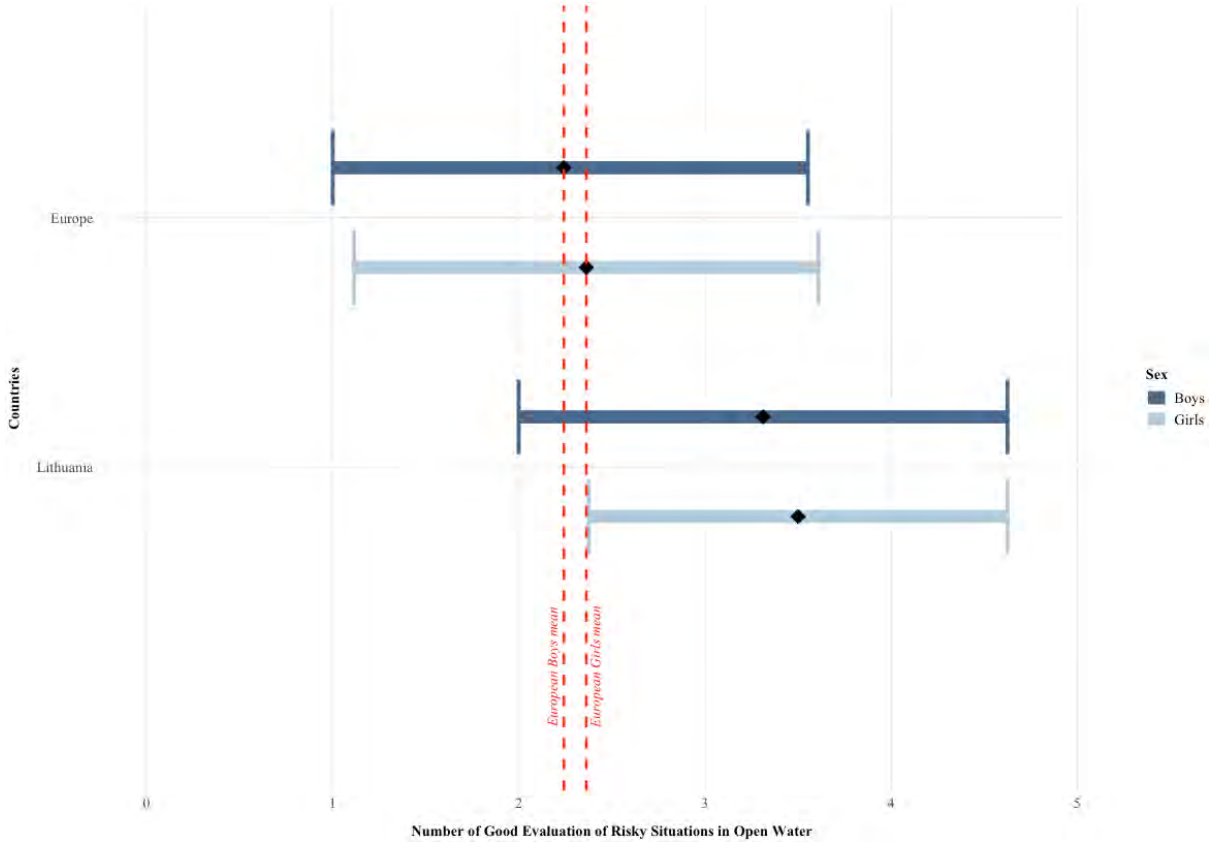


Figure 490. Distribution of the Number of Good Evaluation of Risky Situations in Open Water according to the Sex in Europe and in Lithuania (Mean±SD).

Table 839. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	221	1,273	3.22^{e-26} ***	0.27	1
	Girls	200	1,285	1.41^{e-30} ***	0.29	1

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 840. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	221	200	0.23	0.06	0.21

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

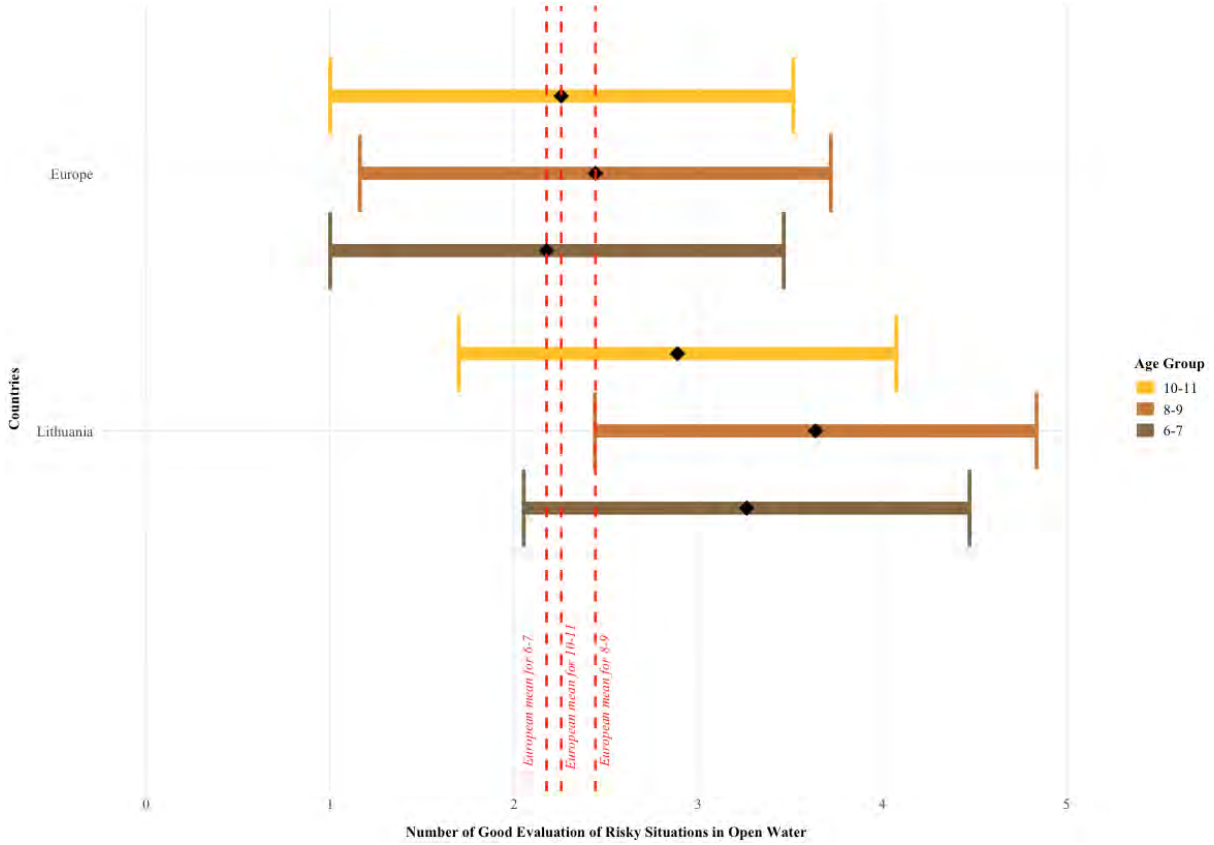


Figure 491. Distribution of the Number of Good Evaluation of Risky Situations in Open Water according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 841. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	141	752	1.71^{e-19} ***	0.29	1
	8-9 yo	218	978	1.67^{e-32} ***	0.33	1
	10-11 yo	62	828	2.96^{e-04} ***	0.12	0.44

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 842. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	141	218		0.002 **	0.15	0.82
	8-9 yo *vs* 10-11 yo		218	141	1.13^{e-05} ***	0.25	0.95
	6-7 yo *vs* 10-11 yo	141		141	0.02 *	0.16	0.55

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

D. Isolated task

Descriptive analysis

Table 843. Number of children who did the Isolated Tasks test.

Country	Sex	Age group	Entry in the water (n=)	Exit from the water (n=)	Propulsion on the belly (n=)	Floating (n=)
Europe	Boys	6-7	320	320	307	308
		8-9	467	467	461	459
		10-11	366	366	357	357
	Girls	6-7	356	356	344	348
		8-9	422	422	417	422
		10-11	367	367	355	355
Lithuania	Boys	6-7	26	26	26	26
		8-9	84	84	84	84
		10-11	17	17	17	17
	Girls	6-7	19	19	18	19
		8-9	70	70	70	70
		10-11	17	17	17	17
Total			**2,531**	**2,531**	**2,473**	**2,482**

Country	Sex	Age group	Propulsion on the Back (n=)	Breathing (n=)	Treading water (n=)	Submersion (n=)	Rotations (n=)
Europe	Boys	6-7	299	258	311	306	230
		8-9	455	439	461	459	388
		10-11	352	351	366	364	307
	Girls	6-7	334	314	349	343	256
		8-9	415	385	420	417	332
		10-11	356	356	364	366	313
Lithuania	Boys	6-7	26	19	26	26	8
		8-9	84	82	84	84	61
		10-11	17	17	17	17	16
	Girls	6-7	19	13	19	19	7
		8-9	70	67	70	70	47
		10-11	17	17	17	17	15
Total			**2,444**	**2,318**	**2,504**	**2,488**	**1,980**

Notes. Europe: Belgium, France, Germany, Norway, Poland and Portugal.

Table 844. Descriptive analyse of the Isolated Tasks test.

Country	Sex	Age group	Entry in the water Mean (±SD)	Exit from the water Mean (±SD)	Propulsion on the belly Mean (±SD)	Floating Mean (±SD)
Europe	Boys	6-7	2.5 (±1.76)	3.31 (±1.8)	13.1 (±16.51)	4.74 (±5.81)
		8-9	3.56 (±1.58)	4.05 (±1.51)	30.16 (±22.56)	8.48 (±6.02)
		10-11	4.18 (±1.24)	4.5 (±1.16)	46.41 (±22.18)	10.38 (±5.26)
	Girls	6-7	2.22 (±1.82)	2.99 (±1.82)	13.24 (±16.89)	5.6 (±6.17)
		8-9	3.15 (±1.62)	3.62 (±1.7)	27.52 (±22.48)	8.58 (±6.37)
		10-11	3.89 (±1.39)	4.18 (±1.43)	46.94 (±22.64)	11.05 (±5.17)
Lithuania	Boys	6-7	1.85 (±1.81)	2.12 (±1.99)	6.85 (±12.79)	2.97 (±5.49)
		8-9	3.25 (±1.33)	4 (±1.36)	29.72 (±26.72)	12.09 (±5.61)
		10-11	4.06 (±1.52)	4.65 (±1.23)	40.3 (±16.28)	13.53 (±4.25)
	Girls	6-7	1.37 (±1.87)	1.95 (±1.9)	10.17 (±23.2)	3.58 (±6.2)
		8-9	3.29 (±1.11)	3.93 (±1.43)	31.99 (±26.48)	12.66 (±5.02)
		10-11	3.36 (±1.17)	4.89 (±0.34)	38.24 (±21.69)	12.36 (±5.9)

Country	Sex	Age group	Propulsion on the back Mean (±SD)	Breathing Mean (±SD)	Treading water Mean (±SD)	Submersion Mean (±SD)	Rotations Mean (±SD)
Europe	Boys	6-7	13.19 (±17.36)	3.14 (±1.58)	28.61 (±40.52)	0.83 (±1.34)	2 (±1.78)
		8-9	29.18 (±22.09)	3.98 (±1.4)	63.82 (±50.31)	2.07 (±2.49)	3.19 (±1.7)
		10-11	42.99 (±21.46)	4.44 (±1.11)	93.69 (±42.53)	3.71 (±3.41)	3.94 (±1.38)
	Girls	6-7	13.98 (±18.59)	3.19 (±1.57)	28.65 (±41.7)	0.75 (±1.36)	1.93 (±1.8)
		8-9	28.23 (±22.77)	3.77 (±1.45)	61.9 (±50.83)	1.84 (±2.33)	3.01 (±1.71)
		10-11	43.77 (±21.09)	4.29 (±1.2)	92.28 (±44.45)	3.68 (±3.35)	4.01 (±1.46)
Lithuania	Boys	6-7	10.2 (±17.65)	3.16 (±1.78)	24.04 (±44.55)	0.81 (±1.65)	2.38 (±1.31)
		8-9	41.28 (±28.67)	4.75 (±0.76)	80.31 (±48.89)	3.6 (±3.77)	3.92 (±1.54)
		10-11	39.89 (±20.75)	5 (±0)	107.36 (±29.06)	3.24 (±1.96)	4.63 (±0.62)
	Girls	6-7	8.06 (±16.38)	2.62 (±1.81)	25.79 (±50.03)	1.27 (±2.56)	1.86 (±2.12)
		8-9	40.58 (±29.8)	4.75 (±0.77)	75.3 (±45.94)	3.16 (±2.35)	3.75 (±1.56)
		10-11	37.12 (±24.59)	4.95 (±0.25)	109.71 (±27.42)	4.36 (±3.56)	4.4 (±0.74)

Notes. Europe: Belgium, France, Germany, Norway, Poland and Portugal.

a. Entry in the water

Overview

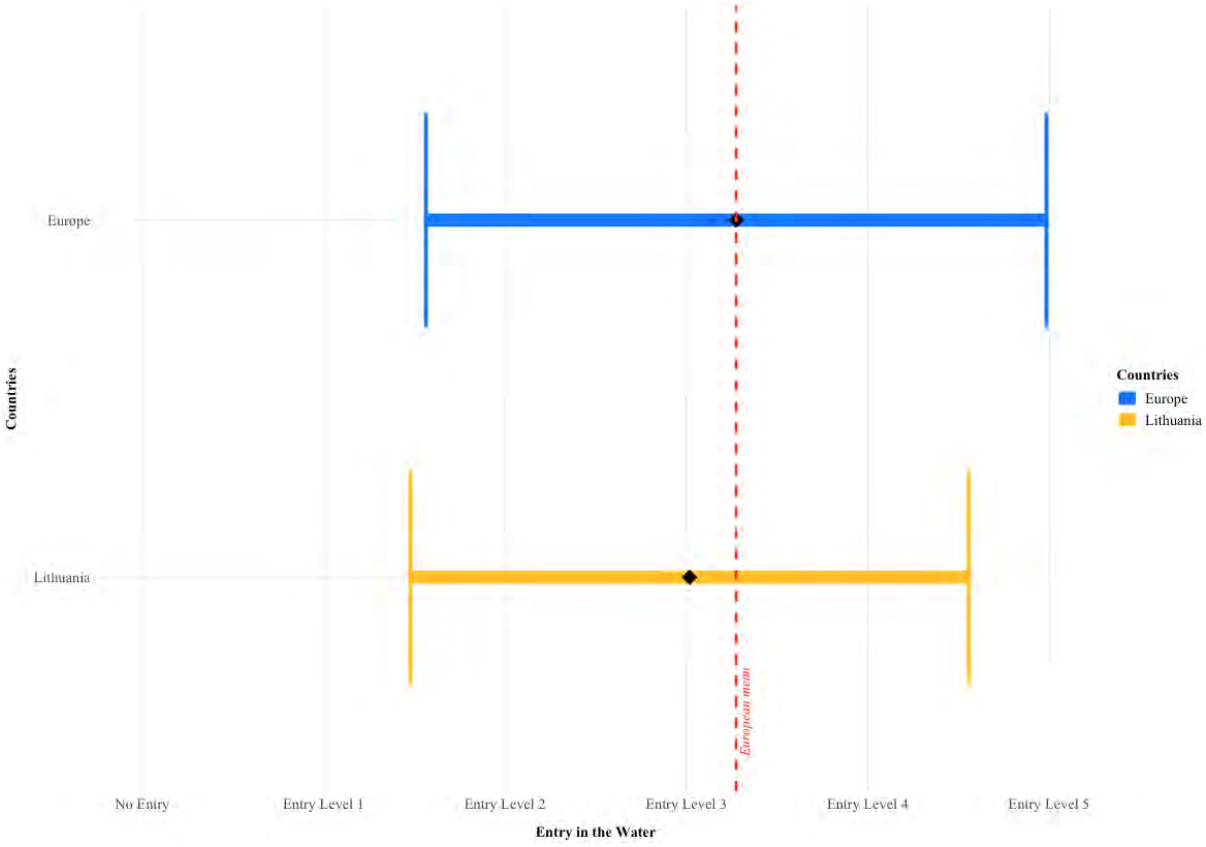


Figure 492. Distribution of the Entry in the Water in Europe and in Lithuania (Mean±SD).

Table 845. Comparative Analysis of the Entry in the Water in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	233	2,298	0.002 **	0.12	0.4

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

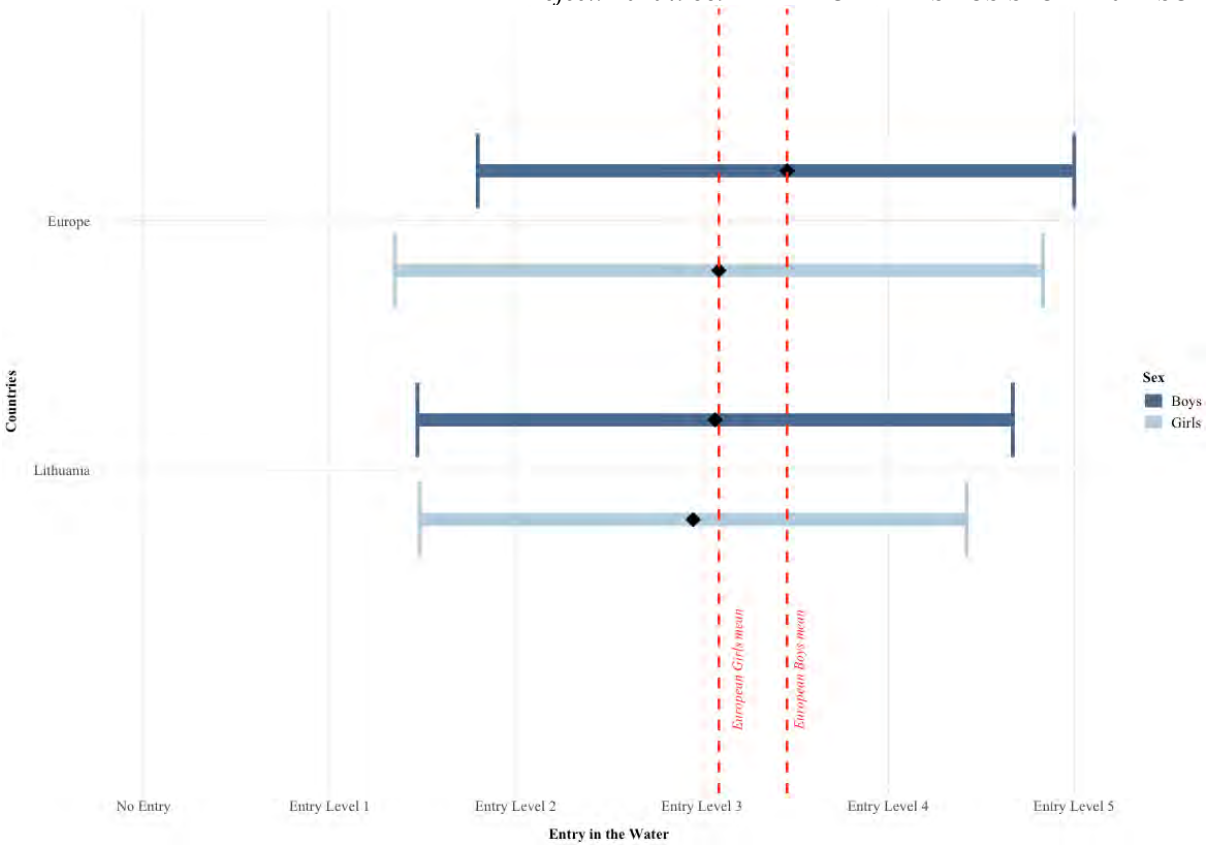


Figure 493. Distribution of the Entry in the Water according to the Sex in Europe and in Lithuania (Mean±SD).

Table 846. Comparative Analysis of the Entry in the Water in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	127	1,153	0.003 **	0.08	0.4
	Girls	106	1,145	0.17	0.04	0.12

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 847. Comparative Analysis of the Entry in the Water in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	127	106	0.41	0.05	0.12

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

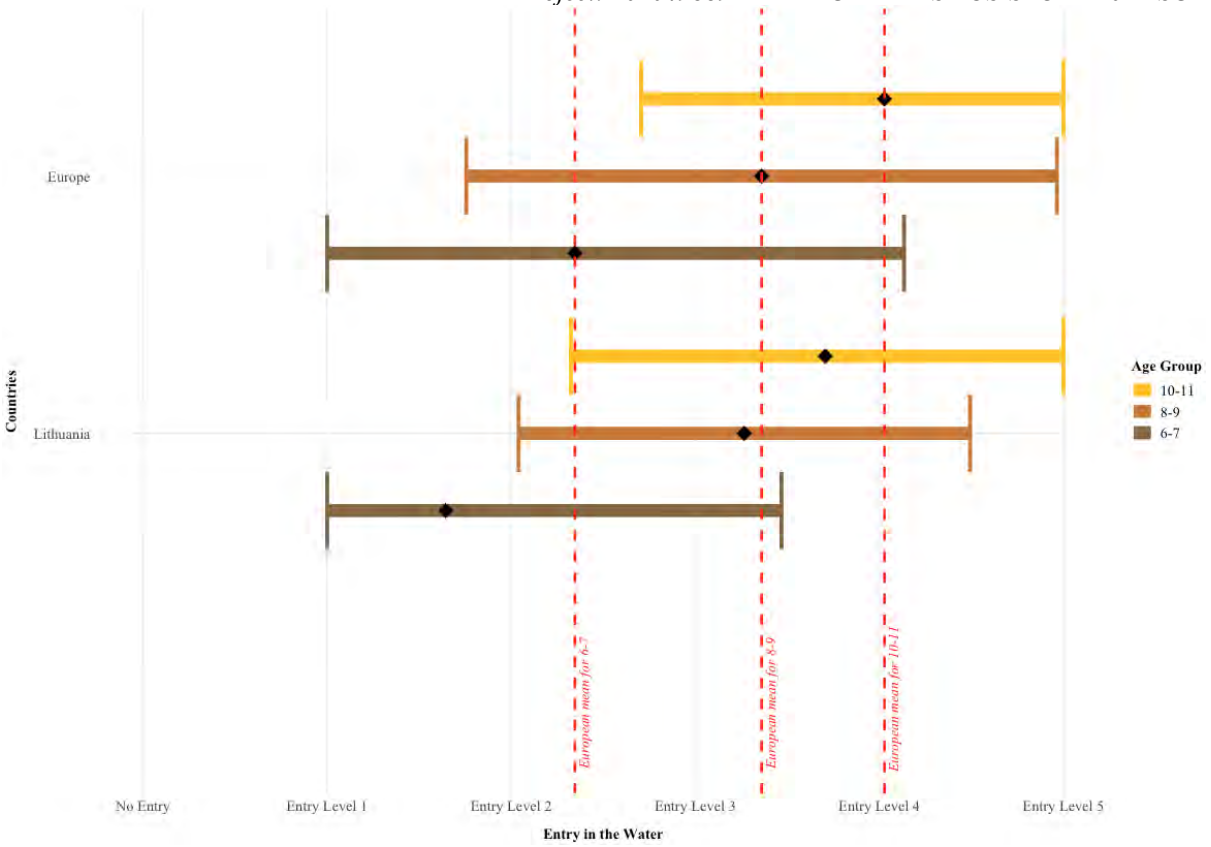


Figure 494. Distribution of the Entry in the Water according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 848. Comparative Analysis of the Entry in the Water in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	45	676	0.01 *	0.09	0.22
	8-9 yo	154	889	0.07	0.05	0.24
	10-11 yo	34	733	0.1	0.05	0.1

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 849. Comparative Analysis of the Entry in the Water in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	45	154		2.98^{e-08} ***	0.38	1
	8-9 yo *vs* 10-11 yo		154	34	0.03 *	0.15	0.37
	6-7 yo *vs* 10-11 yo	45		34	5.84^{e-06} ***	0.5	1

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

b. Exit from the water

Overview

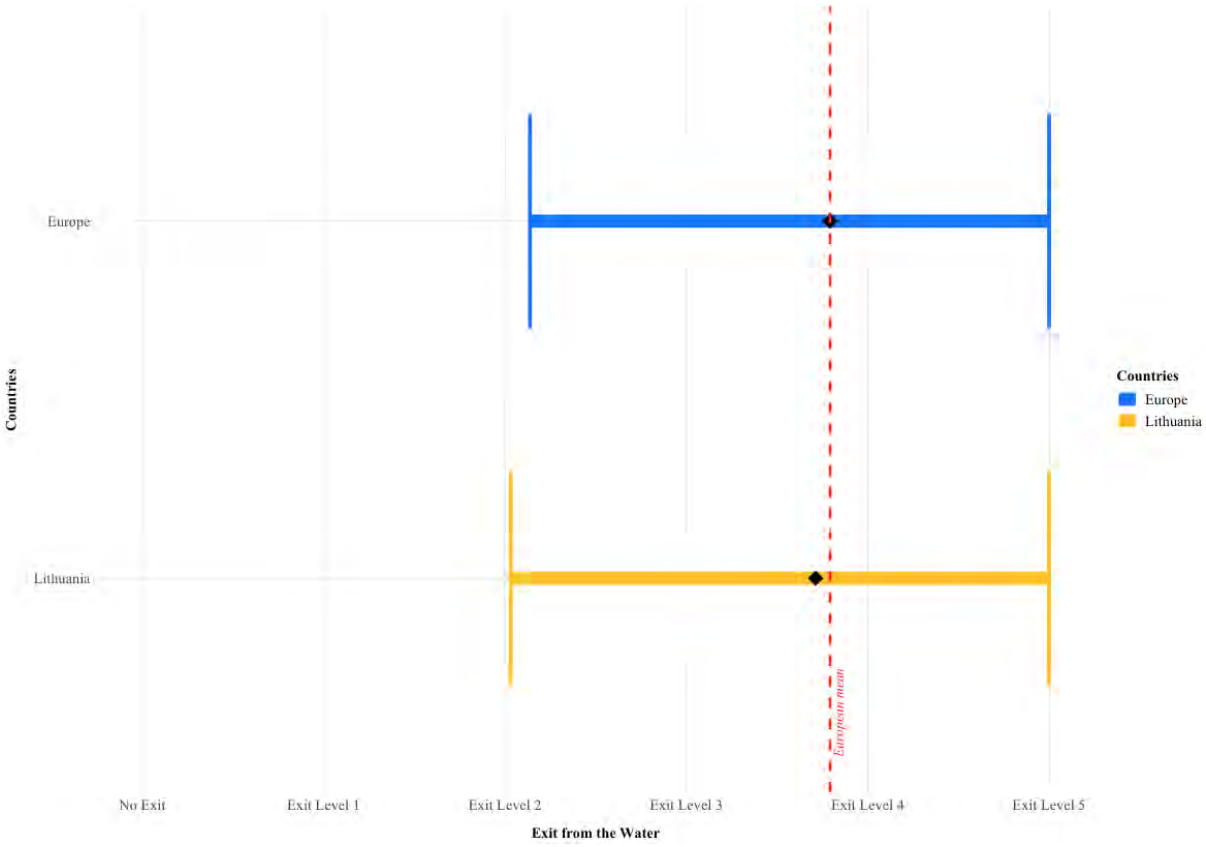


Figure 495. Distribution of the Exit from the Water in Europe and in Lithuania (Mean±SD).

Table 850. Comparative Analysis of the Exit from the Water in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	233	2,298	0.35	0.03	0.08

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

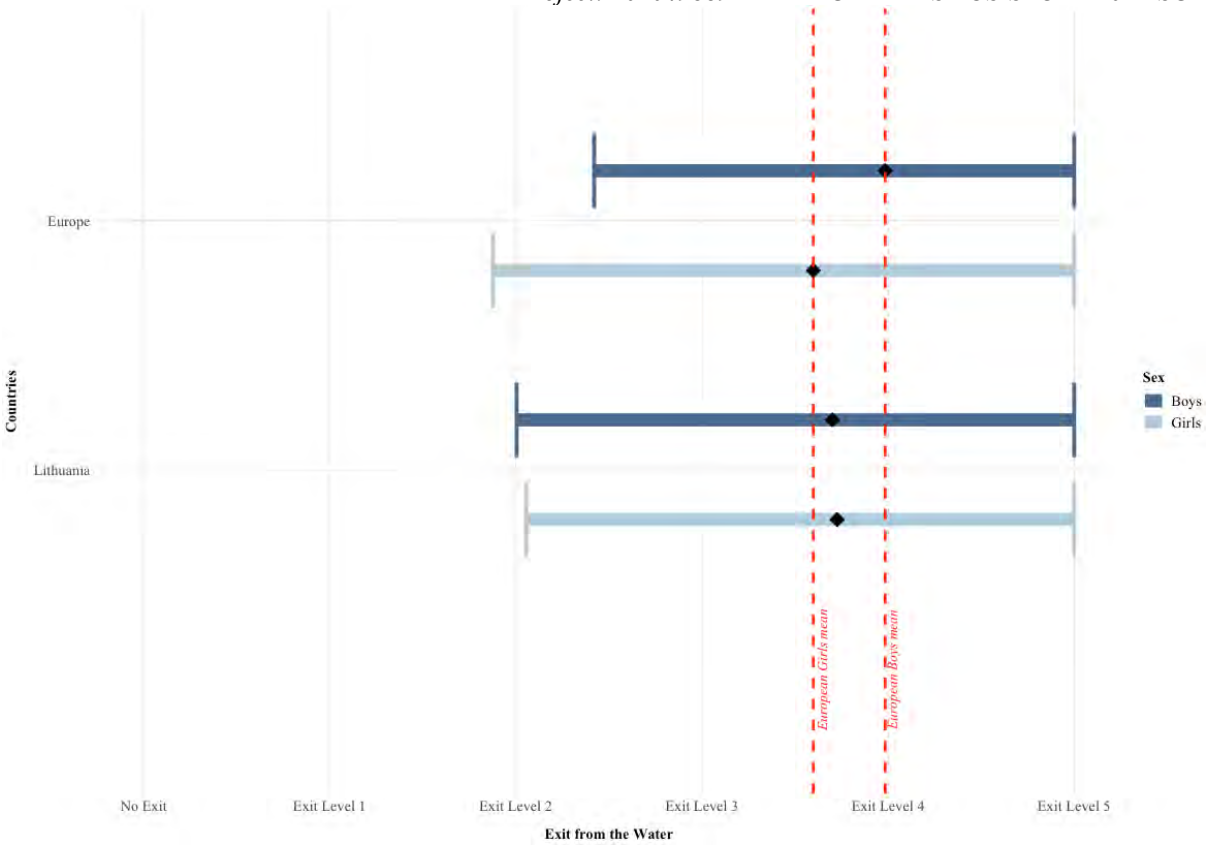


Figure 496. Distribution of the Exit from the Water according to the Sex in Europe and in Lithuania (Mean±SD).

Table 851. Comparative Analysis of the Exit from the Water in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	Boys	127	1,153	0.04 *	0.05	0.18
	Girls	106	1,145	0.6	0.01	0.06

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 852. Comparative Analysis of the Exit from the Water in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania	Boys *vs* Girls	127	106	0.87	0.01	0.05

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

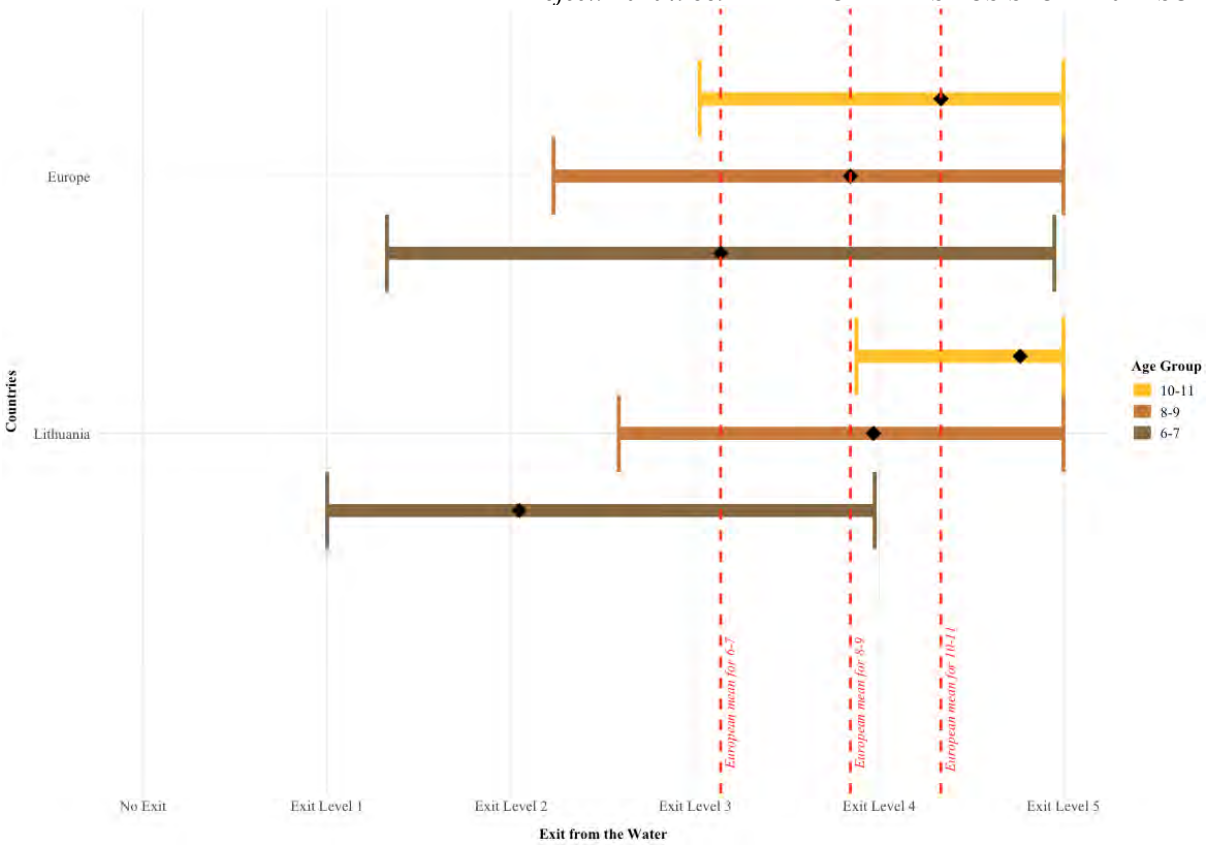


Figure 497. Distribution of the Exit from the Water according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 853. Comparative Analysis of the Exit from the Water in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	45	679	2.86^{e-04} ***	0.13	0.4
	8-9 yo	154	889	0.94	0.002	0.05
	10-11 yo	34	733	0.03 *	0.06	0.11

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 854. Comparative Analysis of the Exit from the Water in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	45	154		1.77^{e-08} ***	0.38	1
	8-9 yo *vs* 10-11 yo		154	34	1.14^{e-04} ***	0.25	0.78
	6-7 yo *vs* 10-11 yo	45		34	1.68^{e-08} ***	0.58	1

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

c. Propulsion on the belly

Overview

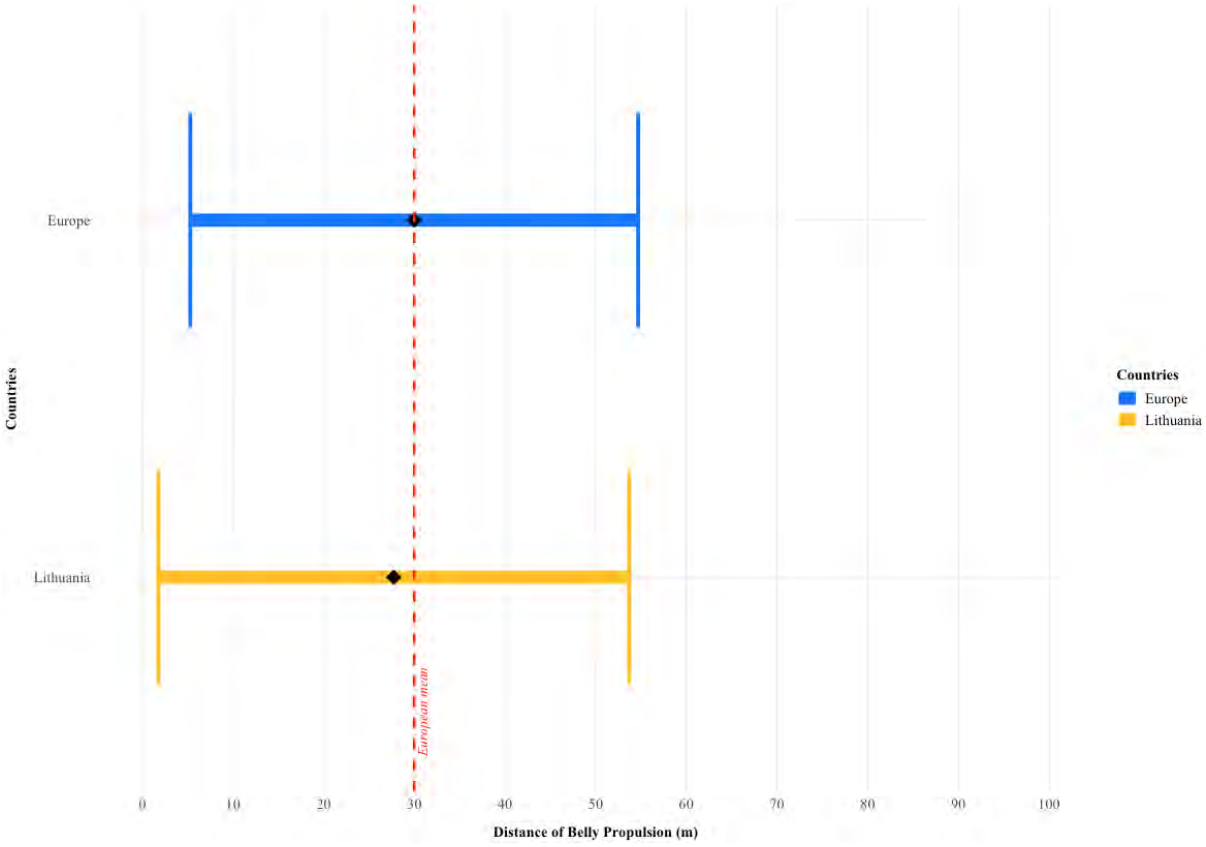


Figure 498. Distribution of the Propulsion on the Belly in Europe and in Lithuania (Mean±SD).

Table 855. Comparative Analysis of the Propulsion on the Belly in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	232	2,241	0.04 *	0.08	0.22

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

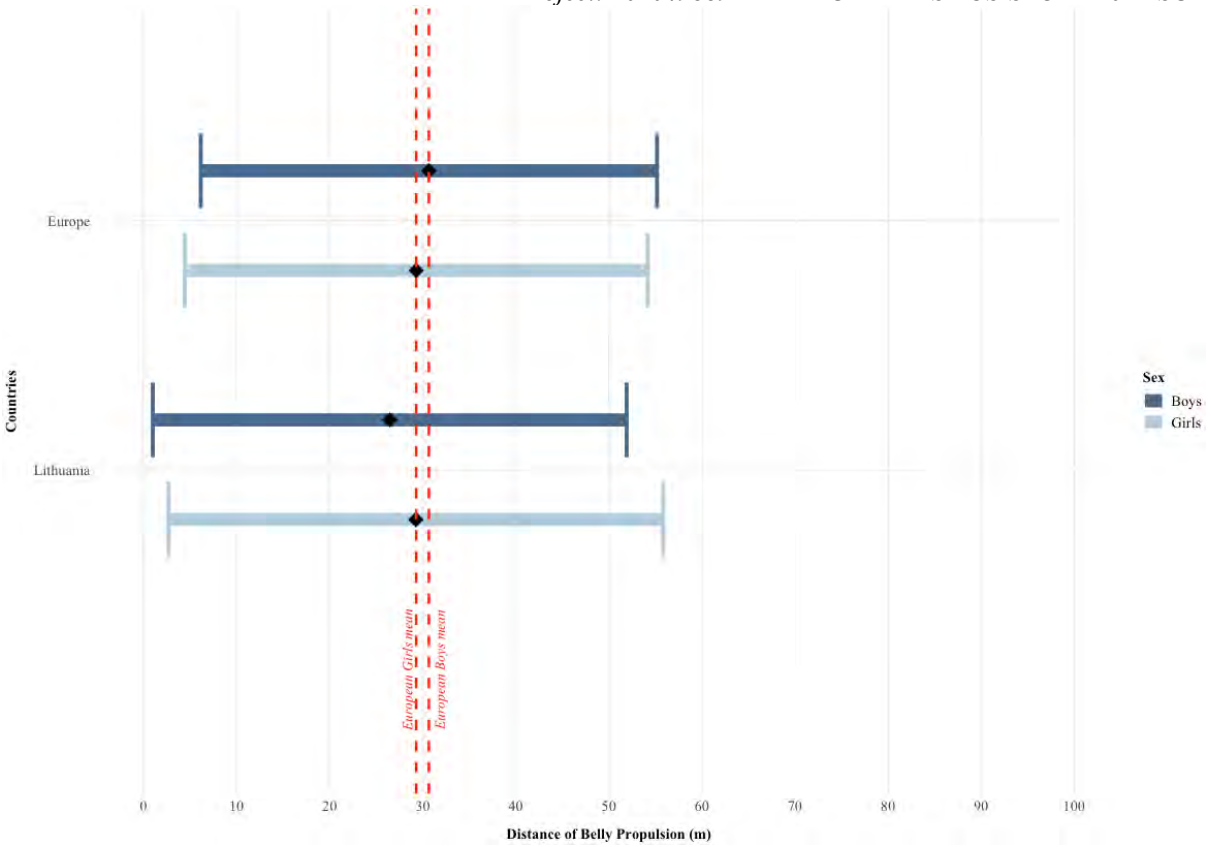


Figure 499. Distribution of the Propulsion on the Belly according to the Sex in Europe and in Lithuania (Mean±SD).

Table 856. Comparative Analysis of the Propulsion on the Belly in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	127	1,125	0.01 *	0.07	0.31
	Girls	105	1,116	0.72	0.01	0.05

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 857. Comparative Analysis of the Propulsion on the Belly in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	127	105	0.38	0.06	0.14

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

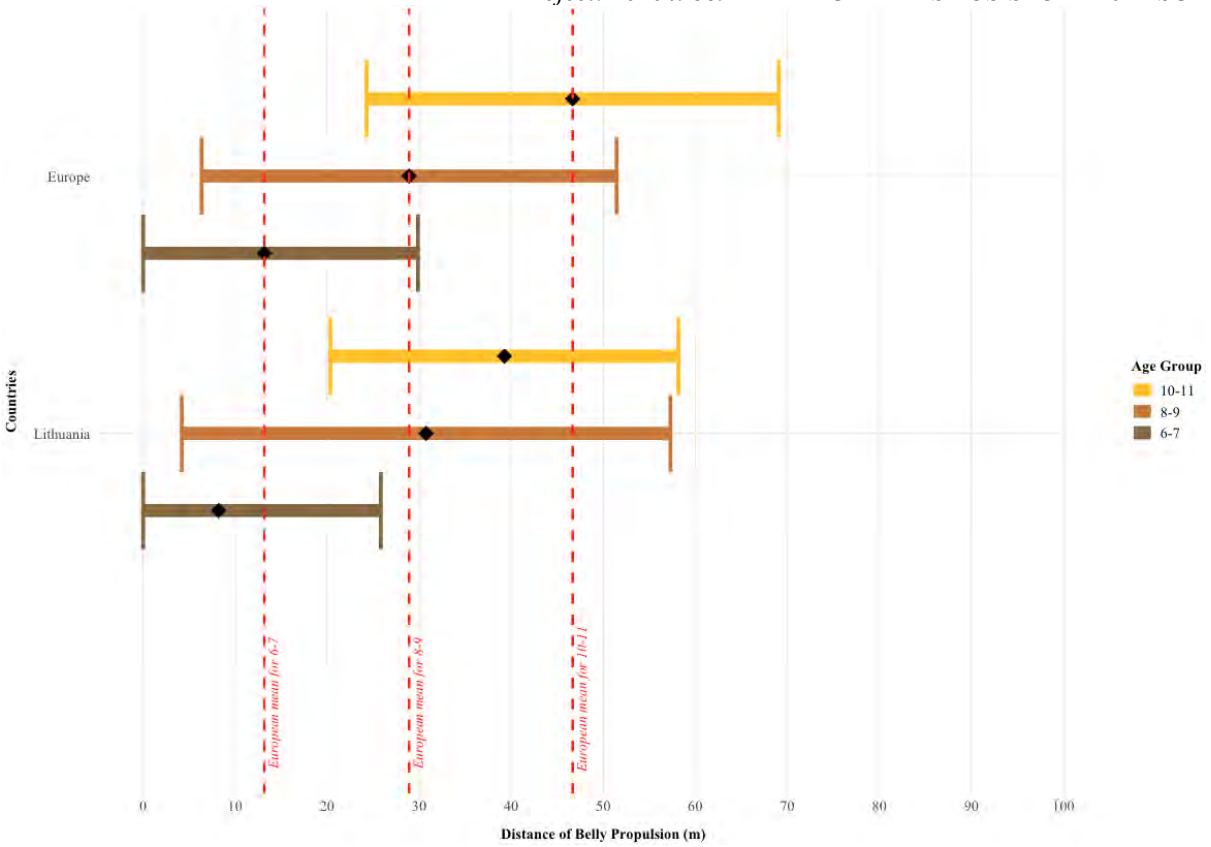


Figure 500. Distribution of the Propulsion on the Belly according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 858. Comparative Analysis of the Propulsion on the Belly in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	44	651	2.02^{e-04} ***	0.14	0.42
	8-9 yo	154	878	0.94	0.002	0.05
	10-11 yo	34	712	0.02 *	0.08	0.16

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 859. Comparative Analysis of the Propulsion on the Belly in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	44	154		7.6^{e-09} ***	0.4	1
	8-9 yo *vs* 10-11 yo		154	34	0.03 *	0.16	0.4
	6-7 yo *vs* 10-11 yo	44		34	4.17^{e-10} ***	0.68	1

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

e. Propulsion on the back

Overview

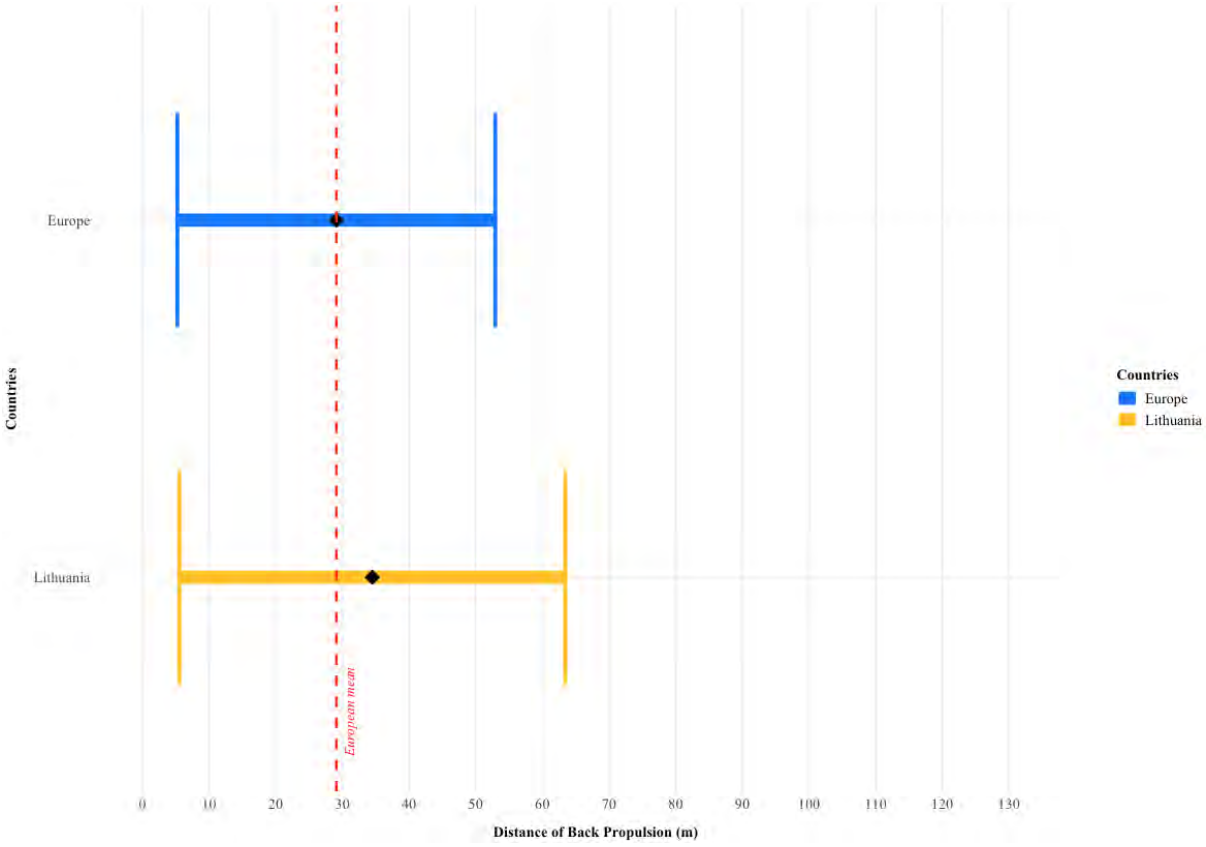


Figure 501. Distribution of the Propulsion on the Back in Europe and in Lithuania (Mean±SD).

Table 860. Comparative Analysis of the Propulsion on the Back in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	233	2,211	0.02 *	0.09	0.26

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

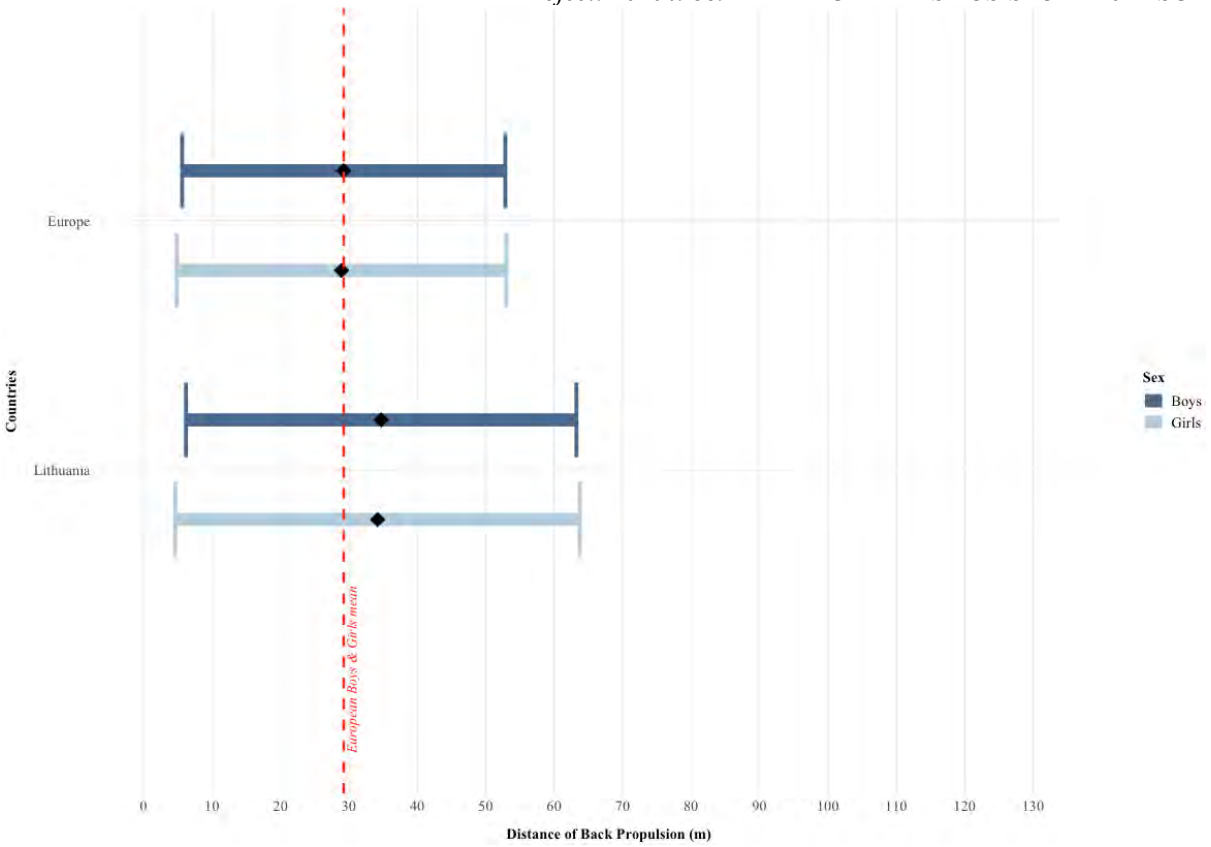


Figure 502. Distribution of the Propulsion on the Back according to the Sex in Europe and in Lithuania (Mean±SD).

Table 861. Comparative Analysis of the Propulsion on the Back in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	127	1,106	0.11	0.05	0.16
	Girls	106	1,105	0.12	0.04	0.14

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 862. Comparative Analysis of the Propulsion on the Back in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	127	106	0.99	0.0004	0.05

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

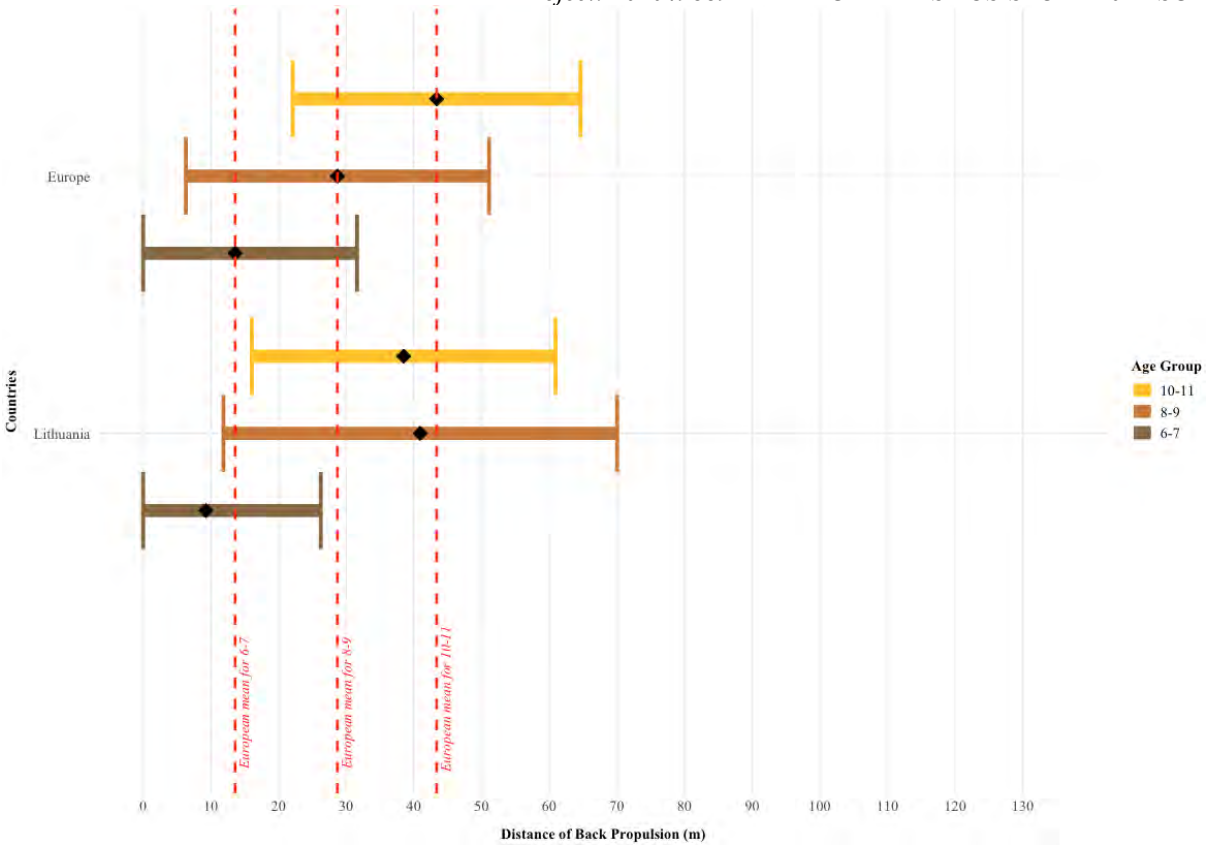


Figure 503. Distribution of the Propulsion on the Back according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 863. Comparative Analysis of the Propulsion on the Back in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	45	633	0.006 **	0.1	0.26
	8-9 yo	154	870	1.11^{e-06} ***	0.15	0.94
	10-11 yo	34	708	0.35	0.03	0.07

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 864. Comparative Analysis of the Propulsion on the Back in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	45	154		2.26^{e-11} ***	0.47	1
	8-9 yo *vs* 10-11 yo		154	34	0.85	0.01	0.05
	6-7 yo *vs* 10-11 yo	45		34	3.62^{e-09} ***	0.64	1

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

d. Submersion

Overview

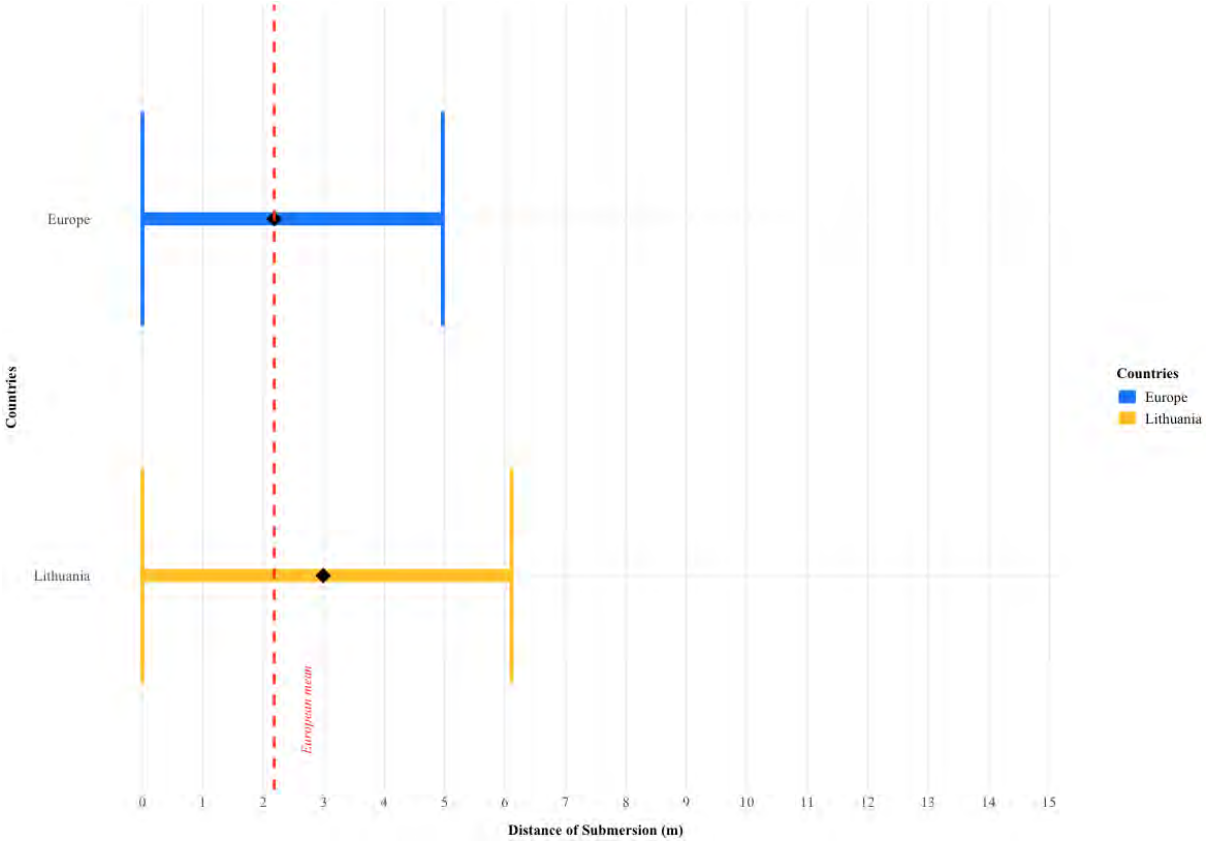


Figure 504. Distribution of the Submersion in Europe and in Lithuania (Mean±SD).

Table 865. Comparative Analysis of the Submersion in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	233	2,255	3.69^{e-06} ***	0.18	0.75

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

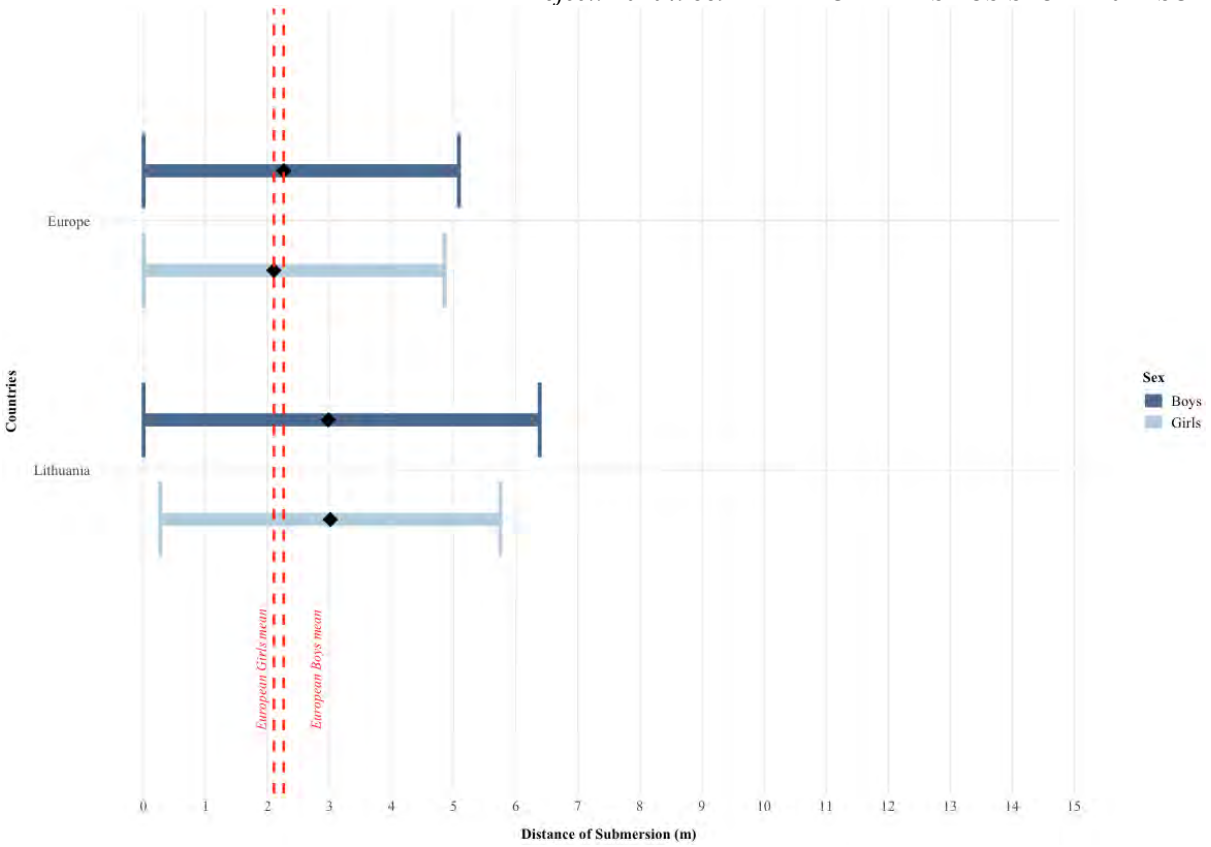


Figure 505. Distribution of the Submersion according to the Sex in Europe and in Lithuania (Mean±SD).

Table 866. Comparative Analysis of the Submersion in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	127	1,129	0.02 *	0.06	0.26
	Girls	106	1,126	1.25^{e-05} ***	0.12	0.67

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 867. Comparative Analysis of the Submersion in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	127	106	0.36	0.06	0.14

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

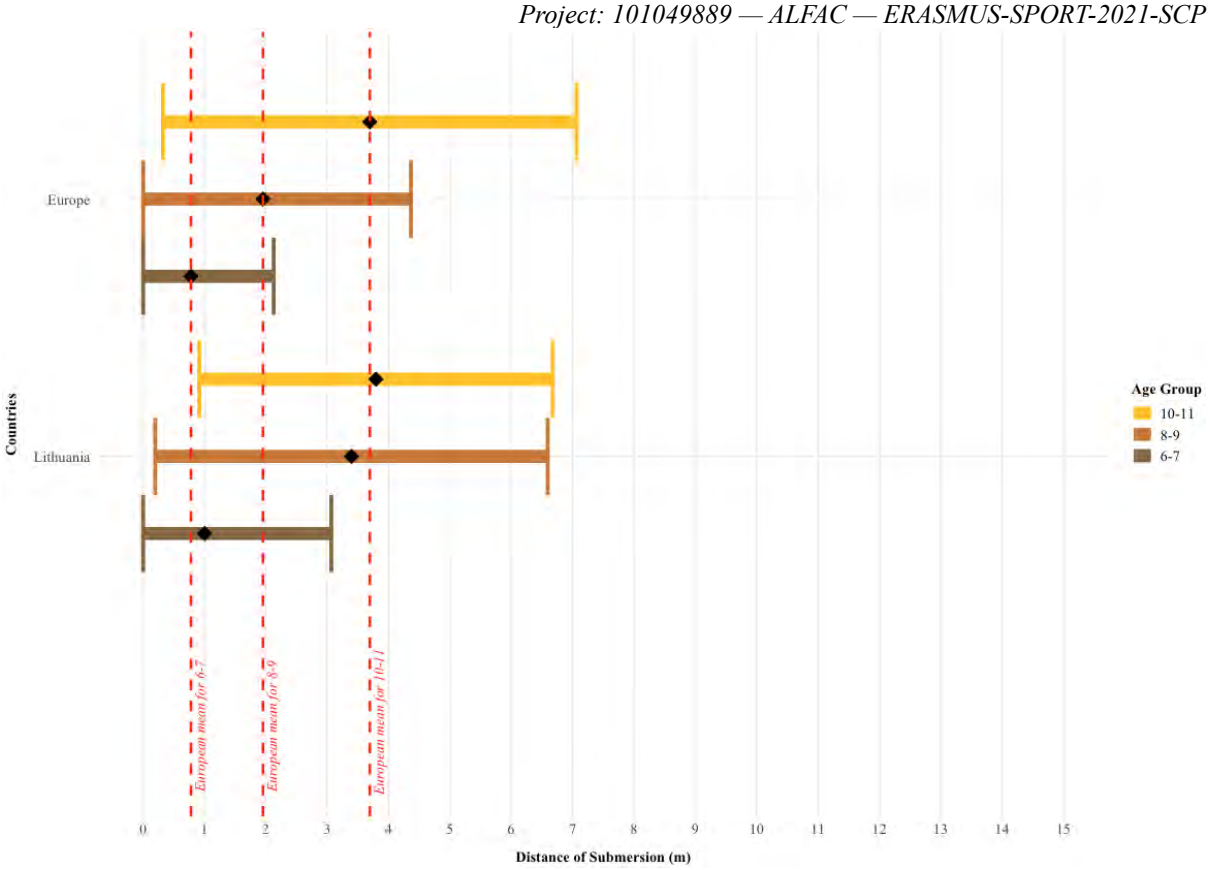


Figure 506. Distribution of the Submersion according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 868. Comparative Analysis of the Submersion in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	45	649	0.19	0.04	0.09
	8-9 yo	154	876	1.04^{e-10} ***	0.2	1
	10-11 yo	34	730	0.54	0.02	0.06

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 869. Comparative Analysis of the Submersion in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	45	154		5.46^{e-09} ***	0.4	1
	8-9 yo *vs* 10-11 yo		154	34	0.3	0.07	0.12
	6-7 yo *vs* 10-11 yo	45		34	5.67^{e-08} ***	0.58	1

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

e. Breathing

Overview

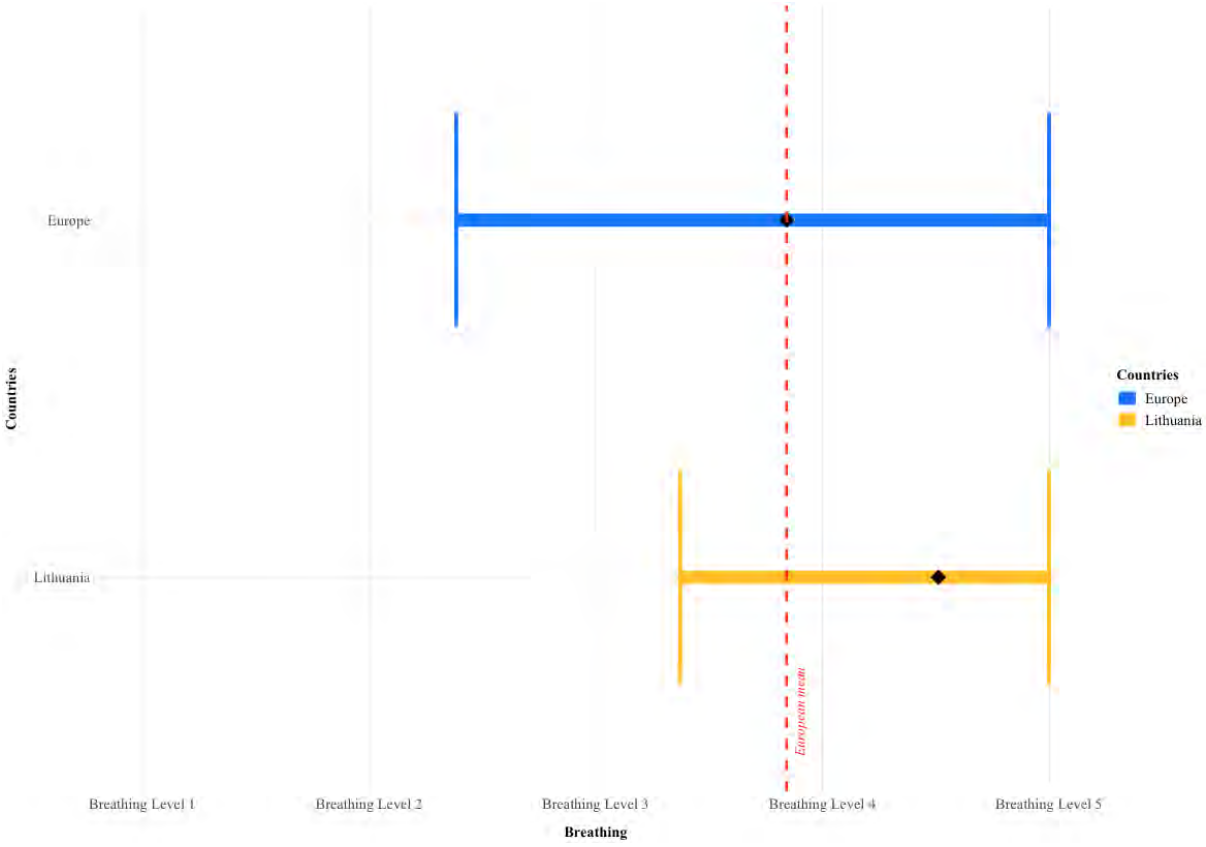


Figure 507. Distribution of the Breathing in Europe and in Lithuania (Mean±SD).

Table 870. Comparative Analysis of the Breathing in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	215	2,103	3.48^{e-13} ***	0.27	0.97

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

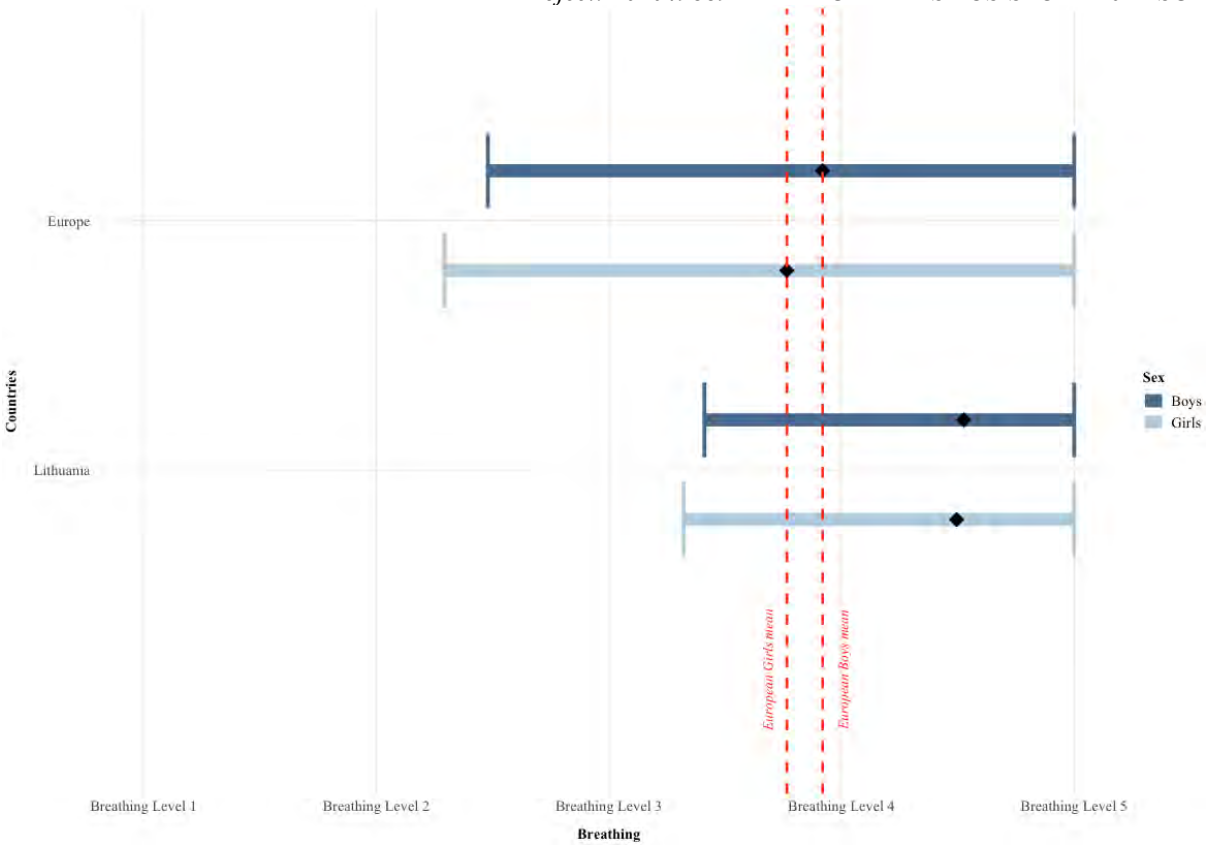


Figure 508. Distribution of the Breathing according to the Sex in Europe and in Lithuania (Mean±SD).

Table 871. Comparative Analysis of the Breathing in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	118	1,048	6.55^{e-07} ***	0.13	0.76
	Girls	97	1,055	1.64^{e-07} ***	0.14	0.76

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 872. Comparative Analysis of the Breathing in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	118	97	1	0.0007	0.05

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

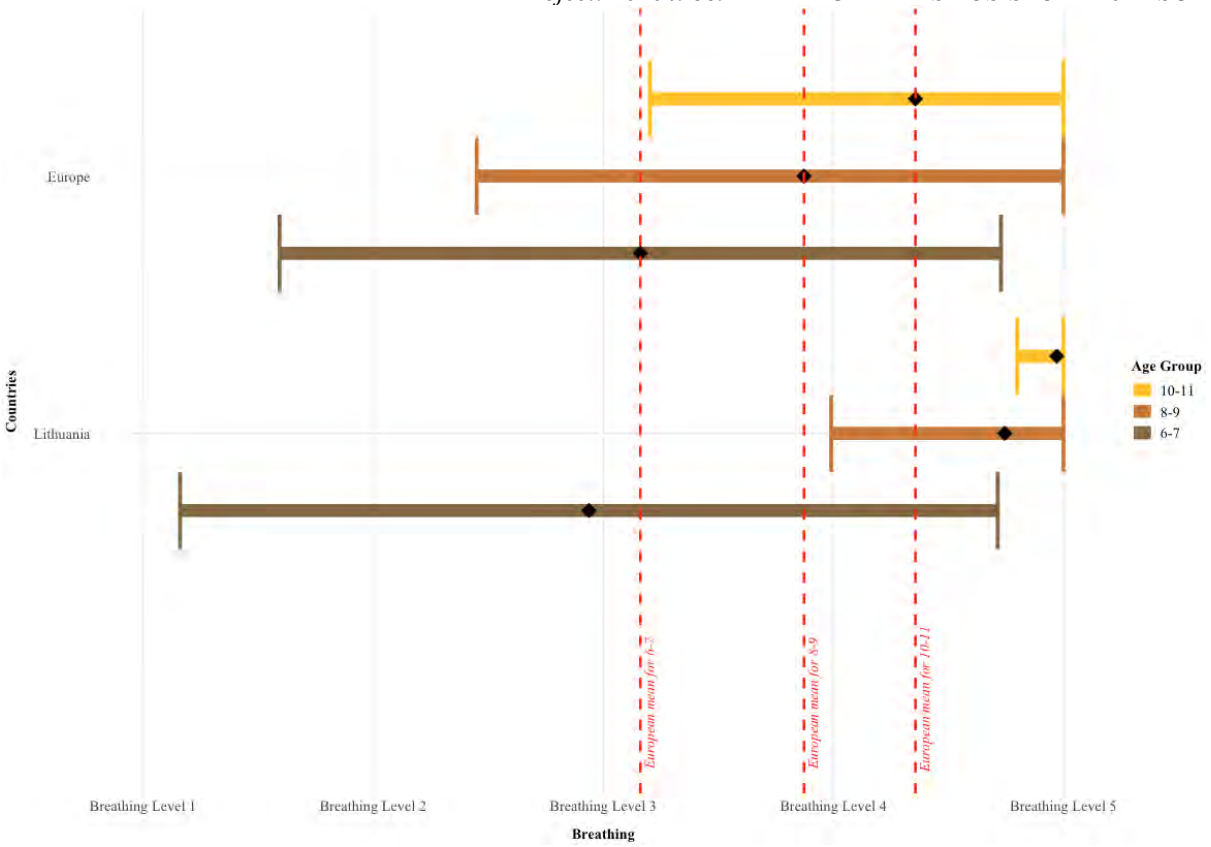


Figure 509. Distribution of the Breathing according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 873. Comparative Analysis of the Breathing in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	32	572	0.42	0.03	0.06
	8-9 yo	149	824	1.54^{e-14} ***	0.22	1
	10-11 yo	34	707	8.72^{e-04} ***	0.1	0.2

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 874. Comparative Analysis of the Breathing in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	32	149		2.95^{e-12} ***	0.36	0.98
	8-9 yo *vs* 10-11 yo		149	34	0.12	0.06	0.09
	6-7 yo *vs* 10-11 yo	32		34	2.03^{e-07} ***	0.53	1

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

f. Treading water

Overview

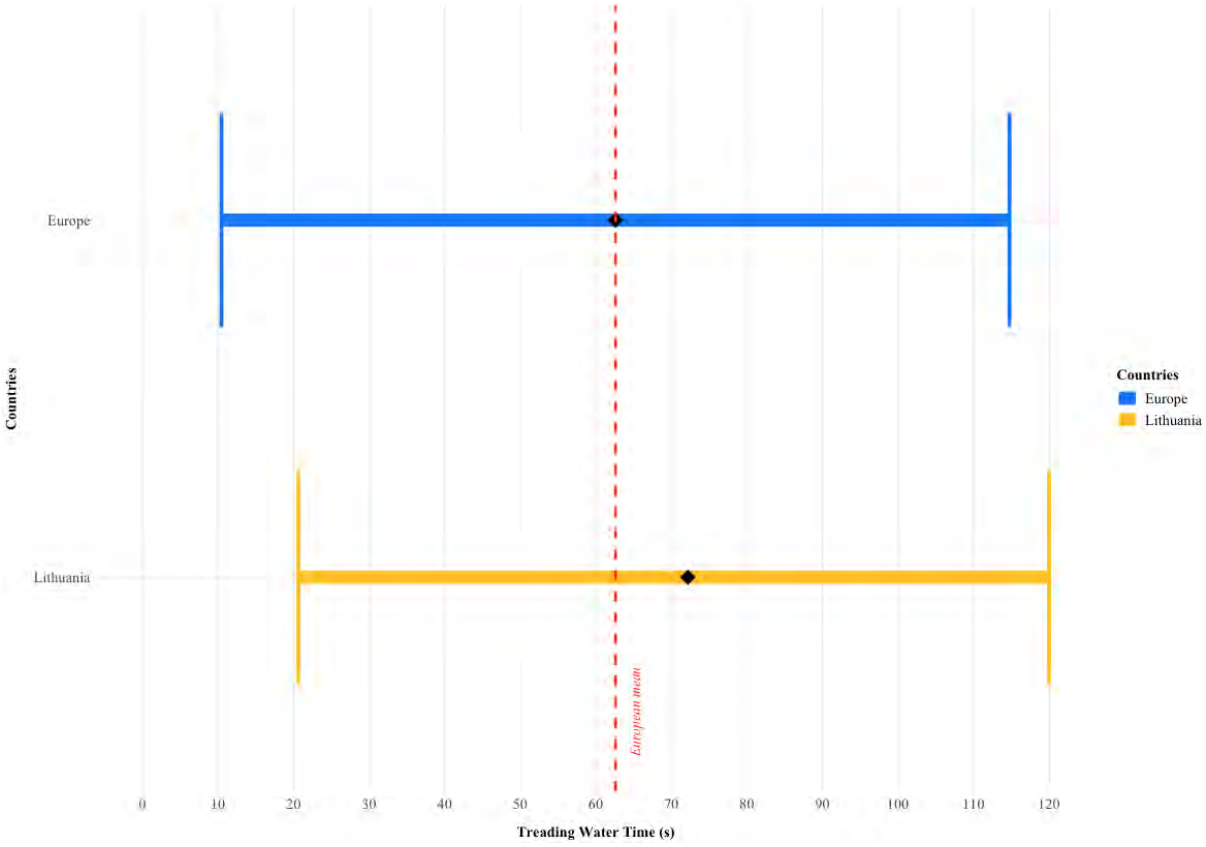


Figure 510. Distribution of the Treading Water in Europe and in Lithuania (Mean±SD).

Table 875. Comparative Analysis of the Treading Water in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	233	2,271	0.01 *	0.09	0.27

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

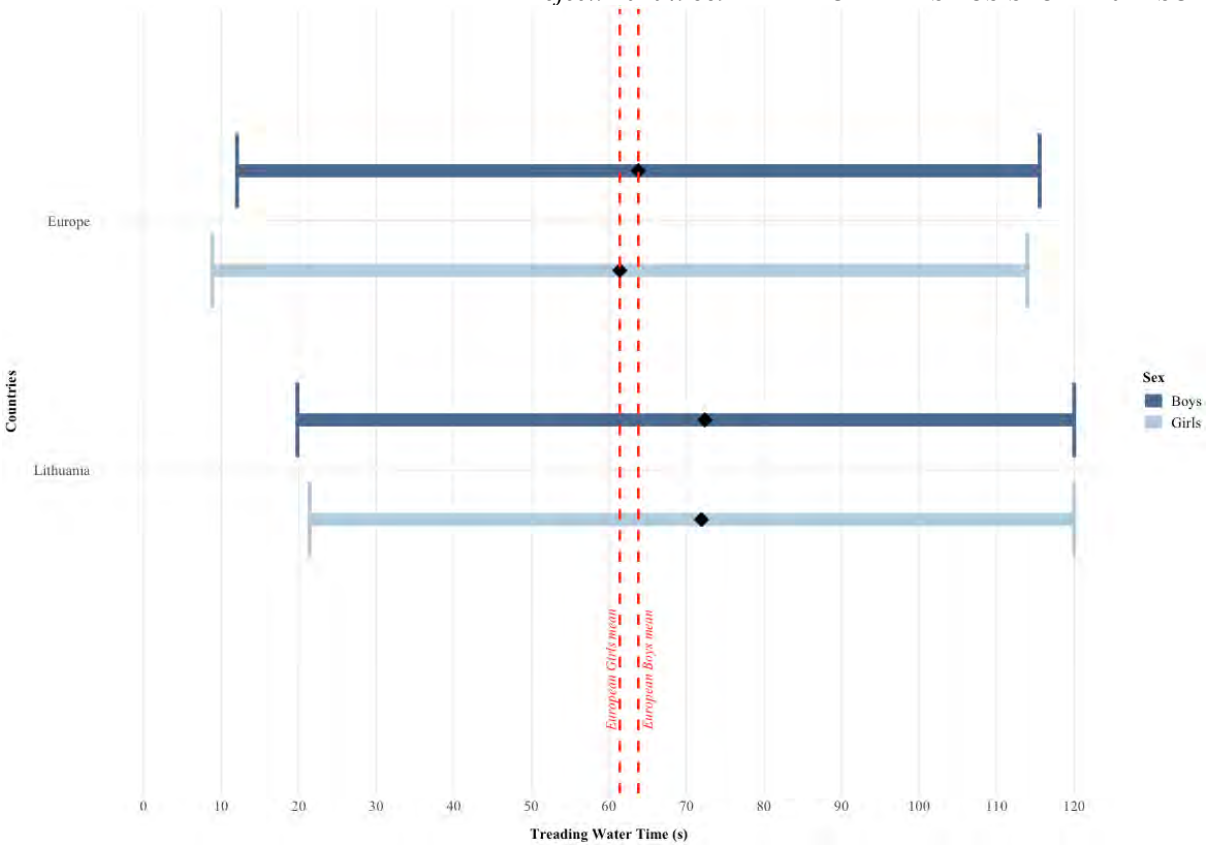


Figure 511. Distribution of the Treading Water according to the Sex in Europe and in Lithuania (Mean±SD).

Table 876. Comparative Analysis of the Treading Water in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	127	1,138	0.14	0.04	0.13
	Girls	106	1,133	0.04 *	0.05	0.19

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 877. Comparative Analysis of the Treading Water in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	127	106	0.95	0.004	0.05

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

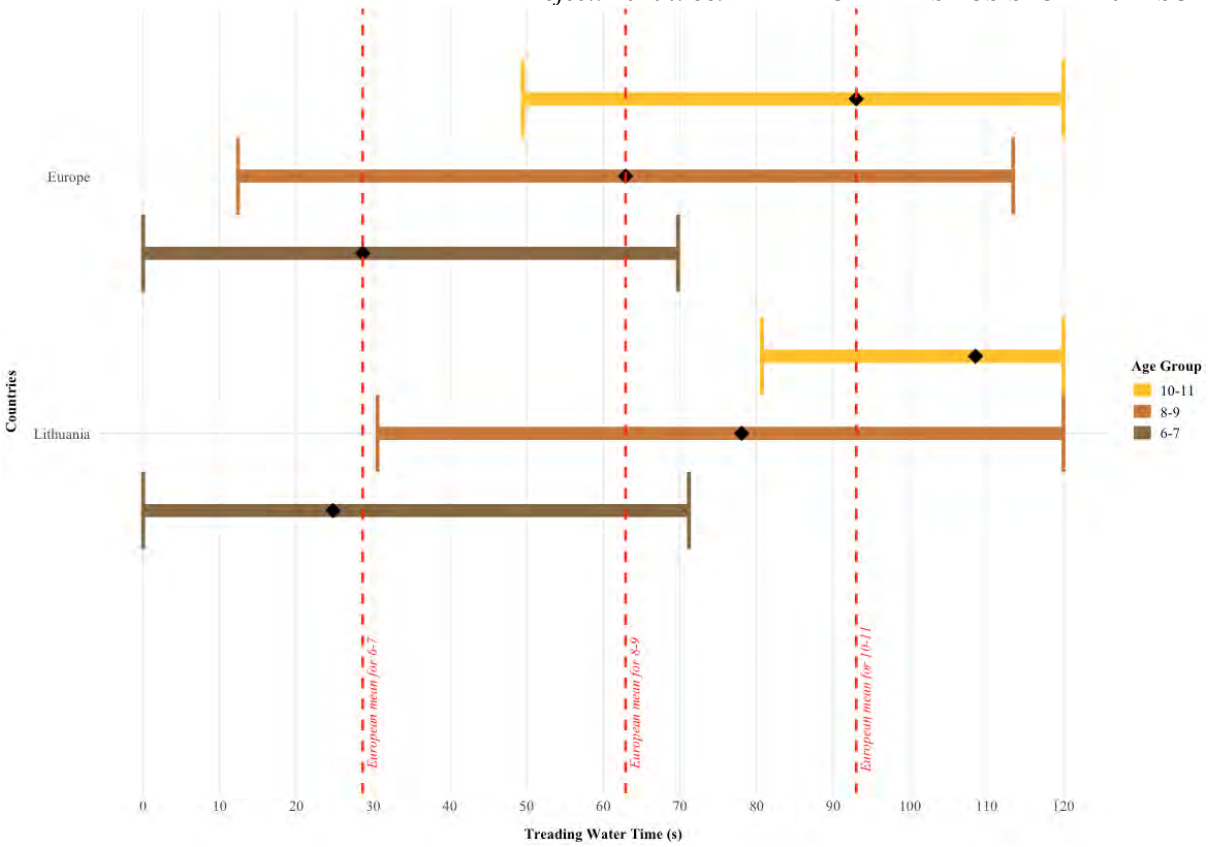


Figure 512. Distribution of the Treading Water according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 878. Comparative Analysis of the Treading Water in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	45	660	0.003 **	0.11	0.29
	8-9 yo	154	881	2.23^{e-04} ***	0.11	0.72
	10-11 yo	34	730	0.06	0.05	0.1

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 879. Comparative Analysis of the Treading Water in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	45	154		8.3^{e-12} ***	0.46	1
	8-9 yo *vs* 10-11 yo		154	34	7.42^{e-04} ***	0.22	0.66
	6-7 yo *vs* 10-11 yo	45		34	1.36^{e-04} ***	0.66	1

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

g. Floating

Overview

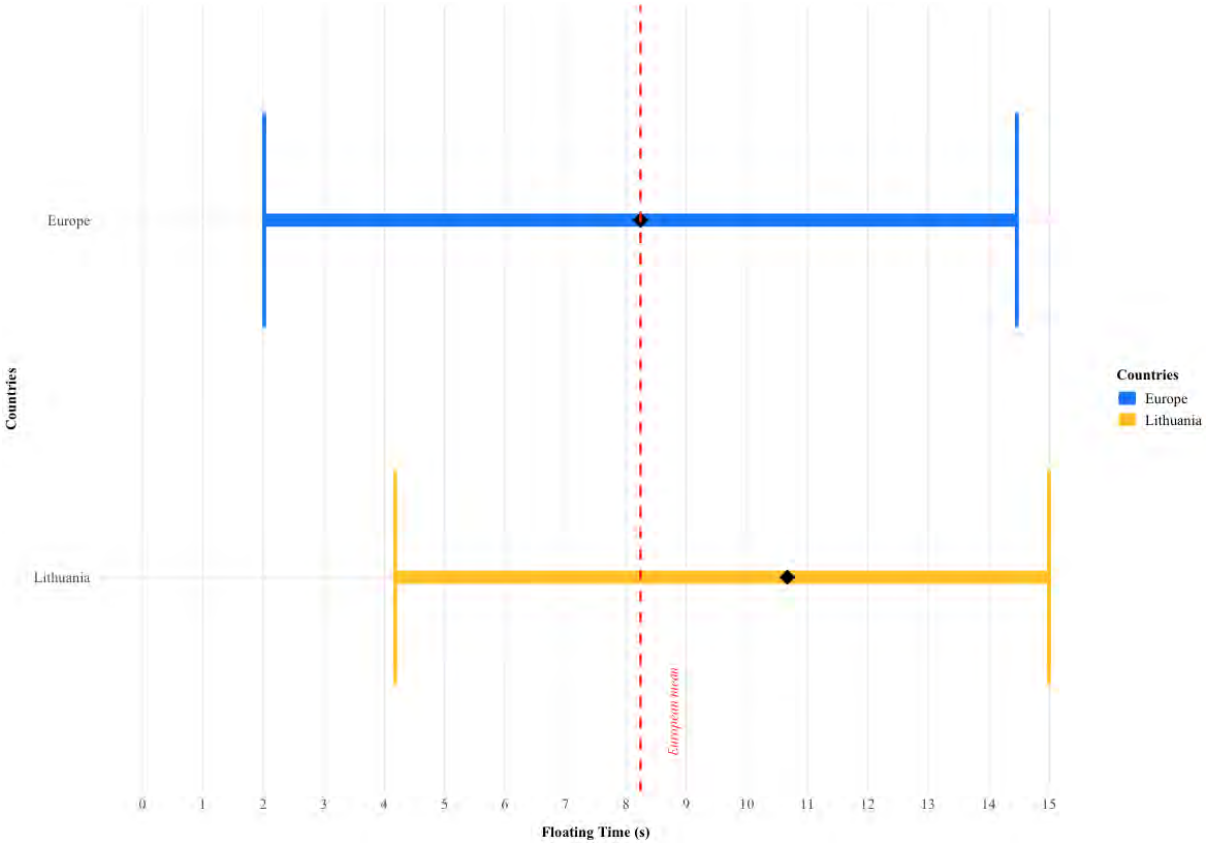


Figure 513. Distribution of the Floating in Europe and in Lithuania (Mean±SD).

Table 880. Comparative Analysis of the Floating in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	233	2,249	5.44^{e-10} ***	0.24	0.94

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

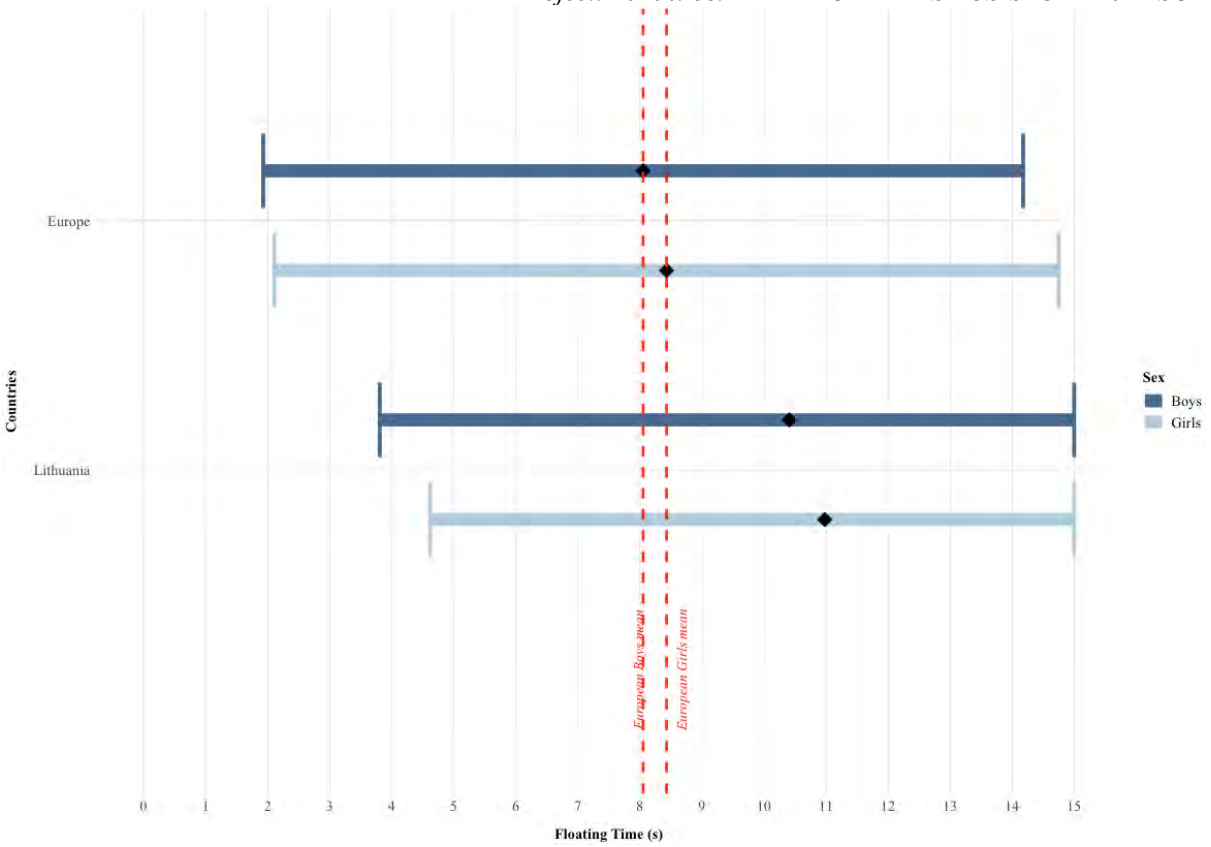


Figure 514. Distribution of the Floating according to the Sex in Europe and in Lithuania (Mean±SD).

Table 881. Comparative Analysis of the Floating in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	Boys	127	1,124	8.56^{e-06} ***	0.12	0.75
	Girls	106	1,125	1.21^{e-05} ***	0.12	0.66

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 882. Comparative Analysis of the Floating in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	Boys *vs* Girls	127	106	0.49	0.04	0.09

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

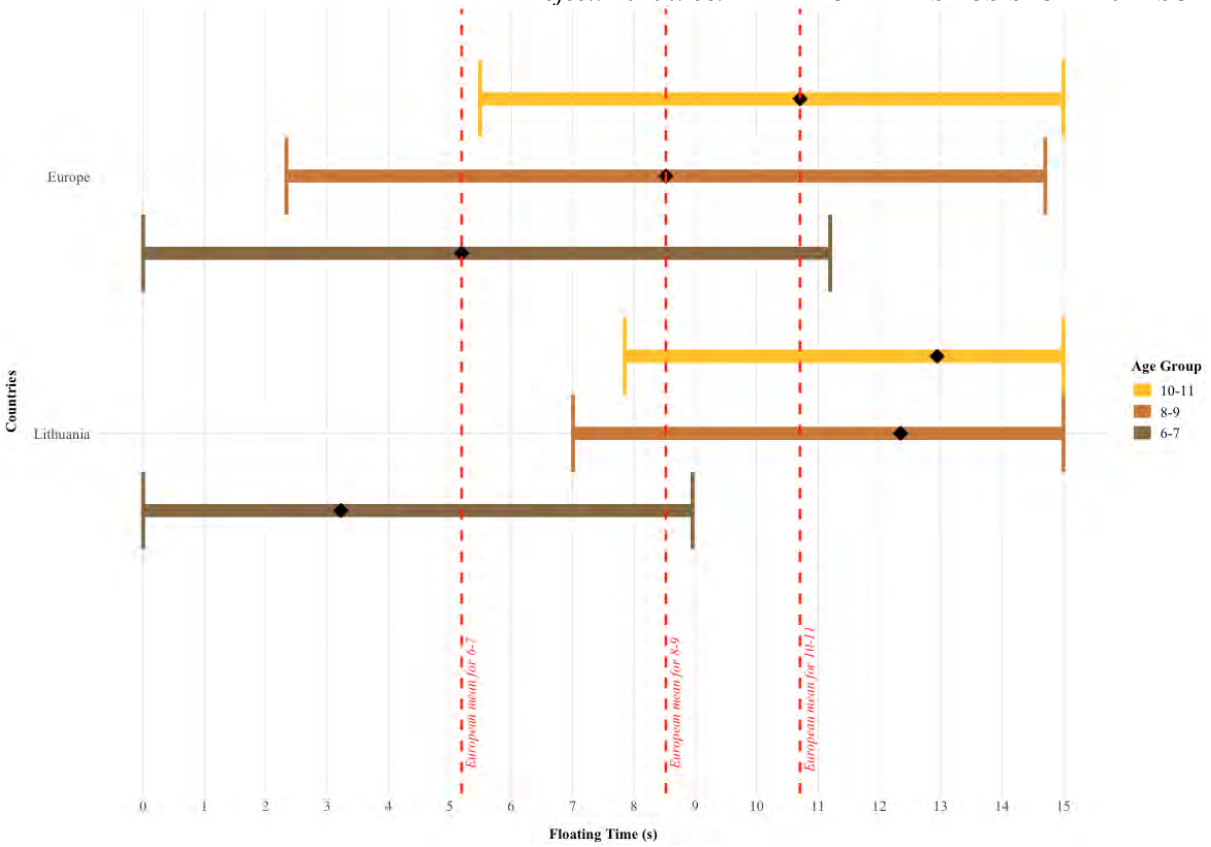


Figure 515. Distribution of the Floating according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 883. Comparative Analysis of the Floating in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	45	656	0.005 **	0.1	0.26
	8-9 yo	154	881	1.07^{e-14} ***	0.23	1
	10-11 yo	34	712	7.42^{e-04} ***	0.12	0.26

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 884. Comparative Analysis of the Floating in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	45	154		1.55^{e-15} ***	0.48	1
	8-9 yo *vs* 10-11 yo		154	34	0.36	0.05	0.08
	6-7 yo *vs* 10-11 yo	45		34	3.53^{e-09} ***	0.6	1

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

h. Rotations

Overview

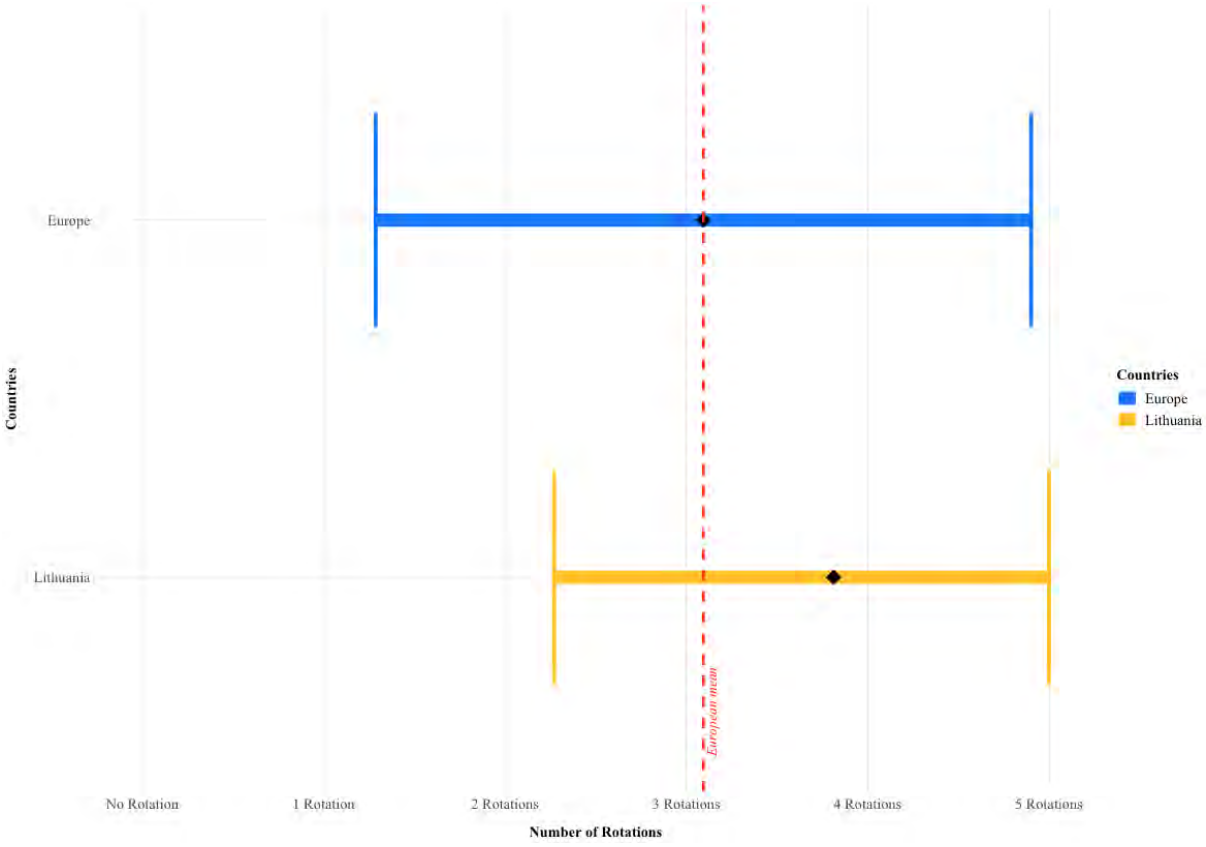


Figure 516. Distribution of the Rotations in Europe and in Lithuania (Mean±SD).

Table 885. Comparative Analysis of the Rotations in Lithuania *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	154	1,826	1.41^{e-06} ***	0.21	0.71

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

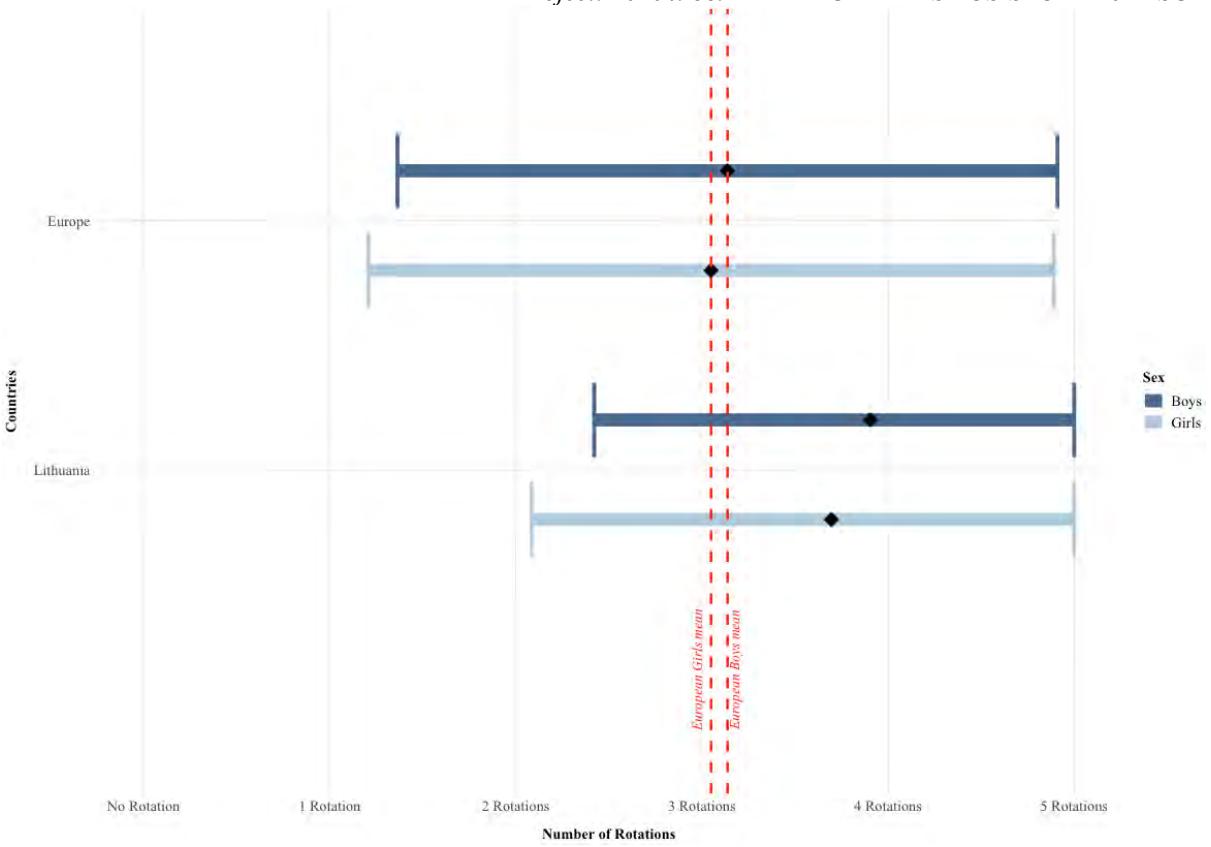


Figure 517. Distribution of the Rotations according to the Sex in Europe and in Lithuania (Mean±SD).

Table 886. Comparative Analysis of the Rotations in Lithuania *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Lithuania)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania *vs* Europe	Boys	85	925	6.44^{e-05} ***	0.12	0.58
	Girls	69	901	0.006 **	0.09	0.28

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 887. Comparative Analysis of the Rotations in Lithuania according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Lithuania	Boys *vs* Girls	85	69	0.39	0.06	0.12

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

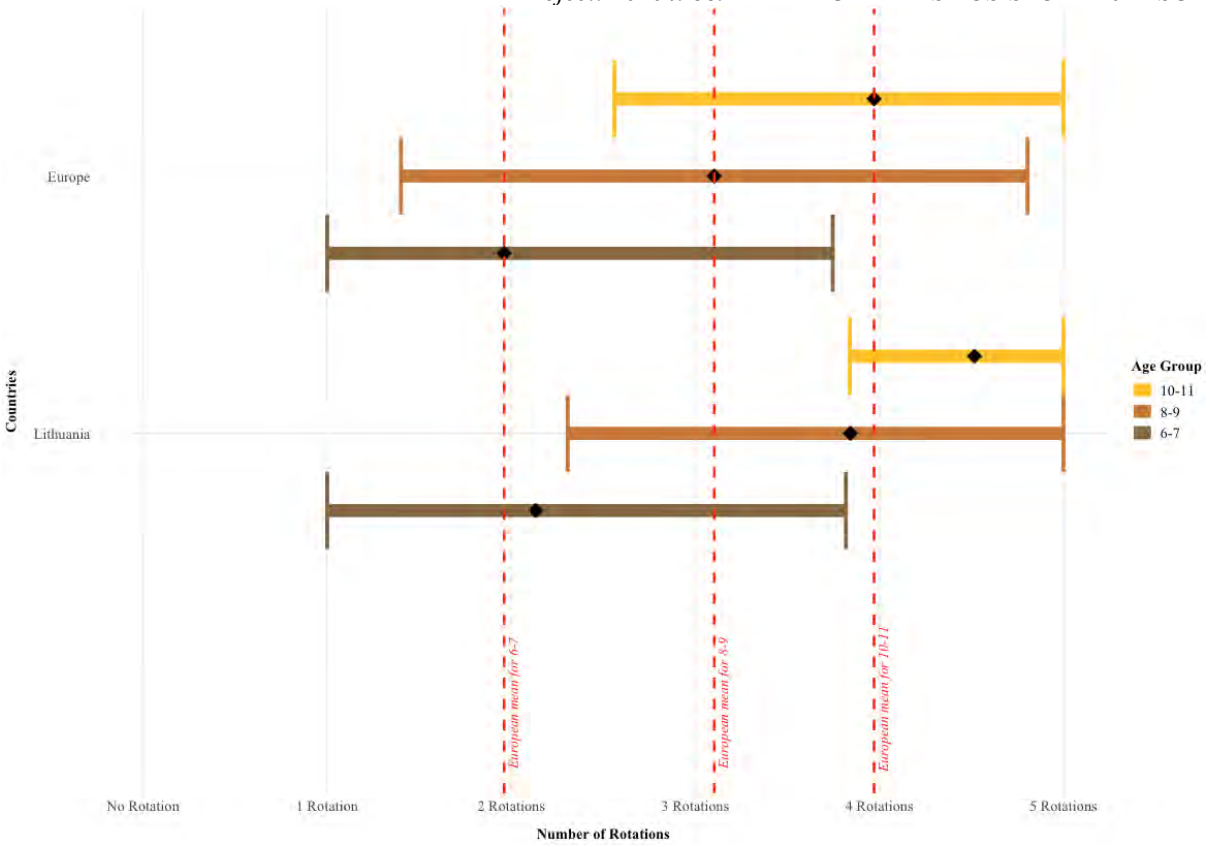


Figure 518. Distribution of the Rotations according to the Age Group in Europe and in Lithuania (Mean±SD).

Table 888. Comparative Analysis of the Rotations in Lithuania *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Lithuania)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania *vs* Europe	6-7 yo	15	486	0.69	0.02	0.05
	8-9 yo	108	720	5.23^{e-06} ***	0.15	0.86
	10-11 yo	31	620	0.1	0.06	0.1

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 889. Comparative Analysis of the Rotations in Lithuania according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Lithuania	6-7 yo *vs* 8-9 yo	15	108		1.56^{e-04} ***	0.32	0.69
	8-9 yo *vs* 10-11 yo		108	31	0.07	0.14	0.28
	6-7 yo *vs* 10-11 yo	15		31	3.17^{e-06} ***	0.65	1

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

E. National Strengths and Weaknesses

a. General overview

Tests	Strengths	Weaknesses
Parental questionnaire	*NA*	✗ Parental education ✗ Number of swimming lessons out-of-school
Child questionnaire	✓ Opportunity to do (more) activity 1 ✓ High risk in the swimming pool ✓ High risk in open water	✗ Intrinsic motivation ✗ Confidence in deep water ✗ Perceived entry in the water ✗ Perceived rotations ✗ Perceived propulsion on the belly ✗ Enjoyment during swimming lessons at school ✗ Enjoyment during swimming lessons at school with friends ✗ Enjoyment during swimming lessons out-of-school ✗ Enjoyment during swimming lessons out-of-school with friends ✗ Enjoyment while playing freely into the swimming pool with friends ✗ Opportunities to do (more) activity 3 ✗ Low risk in swimming pool ✗ Low risk in open water
Isolated tasks	✓ Propulsion in the back ✓ Submersion ✓ Breathing ✓ Treading water ✓ Floating ✓ Rotations	✗ Entry in the water ✗ Propulsion on the belly

b. Analyse by sex in Lithuania *vs* Europe

Tests	Strengths	Weaknesses
Parental questionnaire	*NA*	✗ Number of swimming lessons out-of-school (in Boys & Girls)
Child questionnaire	✓ Opportunity to do (more) activity 1 (in Girls) ✓ High risk in the swimming pool (in Boys & Girls) ✓ High risk in open water (in Boys & Girls)	✗ Intrinsic motivation (in Boys & Girls) ✗ Confidence in deep water (in Girls) ✗ Perceived entry in the water (in Boys) ✗ Perceived rotations (in Boys & Girls) ✗ Perceived propulsion on the belly (in Girls) ✗ Enjoyment during swimming lessons at school (in Boys & Girls) ✗ Enjoyment during swimming lessons at school with friends (in Boys & Girls) ✗ Enjoyment during swimming lessons out-of-school (in Boys & Girls) ✗ Enjoyment during swimming lessons out-of-school with friends (in Boys & Girls) ✗ Enjoyment while playing freely into the swimming pool with friends (in Boys & Girls) ✗ Opportunities to do (more) activity 3 (in Boys) ✗ Low risk in swimming pool (in Boys & Girls) ✗ Low risk in open water (in Boys & Girls)
Isolated tasks	✓ Submersion (in Boys & Girls) ✓ Breathing (in Boys & Girls) ✓ Treading water (in Girls) ✓ Floating (in Boys & Girls) ✓ Rotations (in Boys & Girls)	✗ Entry in the water (in Boys) ✗ Exit from the water (in Boys) ✗ Propulsion on the belly (in Boys)

a. Analyse by sex in Lithuania

Tests	Boys > Girls	Boys < Girls
Parental questionnaire	*NA*	*NA*
Child questionnaire	- Perceived entry in the water - Perceived propulsion on the belly - Opportunity to do (more) water polo - Opportunity to do (more) diving - Opportunity to do (more) activity 2 - Opportunity to do (more) activity 4	- Opportunity to do (more) artistic swimming
Isolated tasks	*NA*	*NA*

c. Analyse by age group in Lithuania *vs.* Europe

Tests	Strengths	Weaknesses
Parental questionnaire	✅ Number of swimming lessons at school (in 8-9)	❌ Number of swimming lessons in school (in 6-7) ❌ Number of swimming lessons out-of-school (in all age groups)
Child questionnaire	✅ Perceived treading water (in 8-9) ✅ Perceived breathing (in 8-9) ✅ Perceived propulsion on the back (in 8-9) ✅ Perceived submersion (in 8-9) ✅ Perceived floating (in 8-9) ✅ High risk in the swimming pool (in all age groups)	❌ Intrinsic motivation (in 8-9 & 10-11) ❌ Confidence in deep water (in 6-7) ❌ Perceived rotations (in 6-7 & 8-9) ❌ Perceived breathing (in 6-7) ❌ Perceived treading (in 6-7) ❌ Perceived propulsion on the belly (in 6-7) ❌ Perceived submersion (in6-7) ❌ Enjoyment during swimming lessons at school (in 6-7) ❌ Enjoyment during swimming lessons at school with friends (in 6-7) ❌ Enjoyment during swimming lessons out-of-school (in all age groups) ❌ Enjoyment during swimming lessons out-of-school with friends (in all age groups) ❌ Enjoyment while playing freely into the swimming pool with friends (in 6-7 & 8-9) ❌ Opportunities to do (more) activity 1 (in 8-9 & 10-11) ❌ Opportunities to do (more) activity 3 (in 8-9) ❌ Low risk in swimming pool (in all age groups) ❌ Low risk in open water (in all age groups) ❌ High risk in open water (in all age groups)
Isolated tasks	✅ Propulsion in the back (in 8-9) ✅ Submersion (in 8-9) ✅ Breathing (in 8-9 & 10-11) ✅ Treading water (in 8-9) ✅ Floating (in 8-9 & 10-11) ✅ Rotations (in 8-9)	❌ Entry in the water (in 6-7) ❌ Exit from the water (in 6-7) ❌ Propulsion on the belly (in 6-7 & 10-11) ❌ Propulsion on the back (in 6-7) ❌ Treading water (in 6-7) ❌ Floating (in 6-7)

d. Analyse of age groups in Lithuania

Tests	Positive evolution	Negative evolution	Neutral evolution	Chaotic evolution
Parental questionnaire	↗↗ Number of swimming lessons taken at school	*NA*	*NA*	*NA*
Child questionnaire	↗ ➡ Intrinsic motivation ↗ ➡ Confidence in deep water ↗ ➡ Perceived entry in the water ↗ ➡ Perceived rotations ↗ ➡ Perceived breathing ↗ ➡ Perceived treading water ↗ ➡ Perceived propulsion on the back ↗ ➡ Perceived propulsion on the belly ↗ ➡ Perceived submersion ↗ ➡ Perceived floating ↗ ➡ Enjoyment during swimming lessons at school ↗ ➡ Enjoyment during swimming lessons at school with friends ↗ ➡ Enjoyment during swimming lessons out-of-school ↗ Opportunities to do (more) water sport 2 ↗↗ High risk in open water	*NA*	➡ Identified motivation ➡ Perceived exit from the water ➡ Enjoyment during swimming lessons out-of-school with friends ➡ Enjoyment while playing in the swimming pool ➡ Enjoyment while playing in the swimming pool with friends ➡ Enjoyment playing in the swimming pool with family ➡ Opportunities to do (more) swimming races ➡ Opportunities to do (more) water polo ➡ Opportunities to do (more) artistic swimming ➡ Opportunities to do (more) diving ➡ Opportunities to do (more) water sport 1 ➡ Opportunities to do (more) water sport 3 ➡ Opportunities to do (more) water sport 4 ➡ Low risks in swimming pool ➡ High risks in swimming pool ➡ Low risks in open water	*NA*
Isolated tasks	↗↗ Entry in the water ↗↗ Exit from the water ↗↗ Propulsion on the belly ↗ ➡ Propulsion on the back ↗ ➡ Submersion ↗ ➡ Breathing ↗↗ Treading water ↗ ➡ Rotation ↗ ➡ Floating	*NA*	*NA*	*NA*

F. Recommendations

e. Curriculum management

- **Raise awareness among young people about the diversity of opportunities for aquatic sports, particularly among girls.**

The results showed that Lithuanian girls are less attracted than boys to engaging in diverse aquatic activities, both in swimming pools and open water. In order to increase their opportunities to practice physical activities in aquatic environments, it would be useful to raise their awareness of a wide range of activities, such as artistic swimming, which they expressed a greater interest in practicing.

f. Timetable

- **Strengthening swimming education at the youngest ages (4–7)**

While Lithuania is the second European country with the highest number of drowning accidents, the government, in partnership with the Lithuanian Swimming Federation, has implemented a national plan to strengthen aquatic education starting from the age of 7. Based on the results, it seems that this plan is bearing fruit, as the analysis by age group shows that children aged 8–9 perform better on many motor and psychological tasks than their European peers. However, children aged 6–7 remain further behind the European standard for the tested sample, and a stagnation occurs between ages 8–9 and 10–11. Therefore, in order to improve upon the efforts already undertaken with the implementation of 32 lessons for children aged 7–8, it might be worthwhile to spread this number of lessons throughout the children's aquatic curriculum, or even to introduce learning at younger ages (between 4 and 6 years old) in order to provide them with earlier and better protection.

g. Localisation and equipment

- **Increasing the financial and physical accessibility of swimming lessons and swimming lessons for young people**

The evaluation of the Lithuanian national plan reports that 40% of Lithuanian children have had access to the aquatic education program. While the effort has paid off for 8–9-year-olds, who perform better than their peers, not all children take part in this plan. In this sense, it would be worthwhile to allocate additional financial and material resources to increase the proportion of Lithuanian children with access to swimming skills, both to better protect them and to foster their interest in aquatic activities.

h. Staff

- **Provide better training for professionals to develop children's pleasure, social skills, motivation and confidence in, on, and around water at all ages**

Results showed that children do not enjoy swimming lessons either at school or outside of school, are not intrinsically motivated, and have lower confidence than their European counterparts. Moreover, these components do not improve with age. This lack of motivation, confidence, and enjoyment significantly affects young people's engagement in learning, which is essential for developing a wide range of skills that would enable them to safely and diversely participate in aquatic activities in, on, and around the water. To enhance this engagement in learning and broaden the scope of possible aquatic practices, it would be relevant to train swimming education professionals to use playful and cooperative teaching approaches.

i. Assessment

- **Include risk graduation in certification**

Although young Lithuanian children perform relatively well when evaluating risky situations in swimming pools and open water, they have more difficulty assessing situations that do not actually present risks. Their lower level of confidence in deep water, combined with their inadequate evaluation of risks, could put them in danger when engaging in aquatic environments. This lack of ability to distinguish between objective and subjective risk situations may either lead them to unsafe behaviors in the water or prevent them from engaging altogether, thereby limiting the development of essential safety skills. Therefore, integrating this component of risk evaluation into assessments could help certify young people's ability to engage thoughtfully and safely in, on, and around the water.

j. Contents

- **Refocus teaching content, especially on belly propulsion, entry in the water and exit from the water.**

As mentioned earlier, Lithuanian children perform significantly worse in belly propulsion, entry in the water and exit from the water. The significantly lower performance first safety step tasks are essential to ensure the security from the first second after entering in the water but also to help them to exit from diverse risky situations and avoid accident due to exhaustion.

CHAPTER 7. Aquatic Literacy in Norway

A. Representative sample of the country

Norwegian cities participating in the study



Figure 519. Norwegian cties participating in the study.

Figure 519 presents the Norwegian cities that took part in the study. Oslo and surroundings participated in the study.

Rounded numbers

Table 890. Number of participants for each part of the test in Norway and in Europe.

	Parental questionnaire *n*=	**Child questionnaire** *n*=	**Isolated tasks test** *n*=
Norway	355	326	288
Europe	2,782	2,690	2,243
Total	**3,137**	**3,016**	**2,531**

Notes. Europe represents the other countries participating in the study (i.e., Belgium, France, Germany, Lithuania, Poland and Portugal).

Table 890 presents the number of respondents for each part of the test.

Samples

Table 891. Representativity of the sample according to the sex and the age group in each part of the test for the Norwegian sample.

		Parental questionnaire *n= (%)*	**Child questionnaire** *n= (%)*	**Isolated tasks test** *n= (%)*
Sex	**Boys**	183	166	147
	Girls	172	160	141
Age group	**6-7 yo**	144	128	114
	8-9 yo	128	124	105
	10-12 yo	83	74	69

Notes. *yo=year-olds*

Table 892. Representativity of the sample according to the sex and the age group in each part of the test for the European sample.

		Parental questionnaire *n= (%)*	**Child questionnaire** *n= (%)*	**Isolated tasks test** *n= (%)*
Sex	**Boys**	1,398	1,352	1,133
	Girls	1,384	1,338	1,110
Age group	**6-7 yo**	836	786	607
	8-9 yo	1,114	1,078	938
	10-12 yo	832	826	698

Notes. *yo=year-olds*

Table 891 presents the representative Norwegian sample according to the sex and the age group in each part of the test, and **Table 892** the European representative sample.

B. Parental questionnaire

Descriptive statistics

Table 893. Number of caregivers answering to the different question of the questionnaire.

Country	Sex	Age group	Parental education (n=)	Number of lessons at school (n=)	Number of lessons out of school (n=)	Do parents can swim? (n=)
Europe	Boys	6-7	377	357	372	397
		8-9	524	493	527	584
		10-11	387	348	371	408
	Girls	6-7	397	390	400	433
		8-9	478	454	470	524
		10-11	388	347	373	418
Norway	Boys	6-7	63	55	55	64
		8-9	74	59	60	72
		10-11	44	28	32	43
	Girls	6-7	73	67	71	78
		8-9	51	46	48	53
		10-11	38	27	33	37
Total			**2,894**	**2,671**	**2,812**	**3,111**

Notes. Europe: Belgium, France, Germany, Lithuania, Poland and Portugal.

Table 894. Descriptive analyse of the parental questionnaire.

Country	Sex	Age group	Parental education Mean (±SD)	Number of lessons at school Mean (±SD)	Number of lessons out-of-school Mean (±SD)	Do parents can swim? Mean (±SD)
Europe	Boys	6-7	4.53 (±0.9)	1.75 (±1.27)	2.48 (±1.68)	1.43 (±0.67)
		8-9	4.42 (±0.93)	2.62 (±1.56)	2.63 (±1.72)	1.39 (±0.7)
		10-11	4.5 (±0.9)	3.31 (±1.65)	3.02 (±1.72)	1.48 (±0.64)
	Girls	6-7	4.46 (±0.92)	1.84 (±1.29)	2.46 (±1.74)	1.39 (±0.7)
		8-9	4.4 (±1.01)	2.47 (±1.52)	2.62 (±1.76)	1.4 (±0.69)
		10-11	4.37 (±1.02)	3.5 (±1.59)	3.03 (±1.75)	1.52 (±0.64)
Norway	Boys	6-7	4.51 (±1.14)	1.37 (±0.94)	2.17 (±1.39)	1.25 (±0.76)
		8-9	4.59 (±1)	2.72 (±1.46)	2.9 (±1.65)	1.44 (±0.61)
		10-11	4.41 (±1.15)	3.75 (±1.21)	3.16 (±1.75)	1.38 (±0.62)
	Girls	6-7	4.64 (±0.8)	1.66 (±1.22)	2.64 (±1.68)	1.31 (±0.73)
		8-9	4.61 (±0.81)	2.74 (±1.57)	2.98 (±1.71)	1.46 (±0.64)
		10-11	4.5 (±1.21)	3.89 (±1.29)	3.19 (±1.88)	1.36 (±0.59)

Notes. Europe: Belgium, France, Germany, Lithuania, Poland and Portugal.

a. Parental Education

Overview

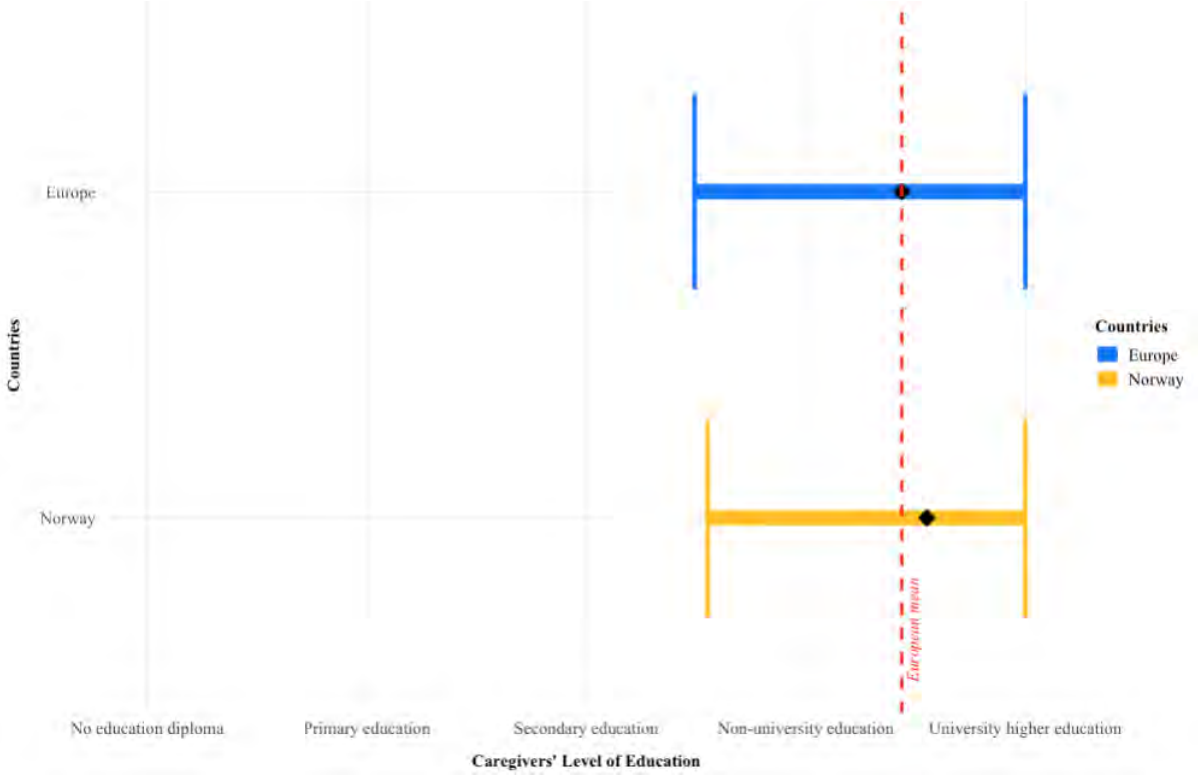


Figure 520. Distribution of the Caregivers' Level of Education in Europe and in Norway (Mean±SD).

Table 895. Comparative Analysis of Caregivers' Level of Education in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	343	2,551	1.3^{e-04} ***	0.12 [a]	0.53 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

b. Number of lessons in school

Overview

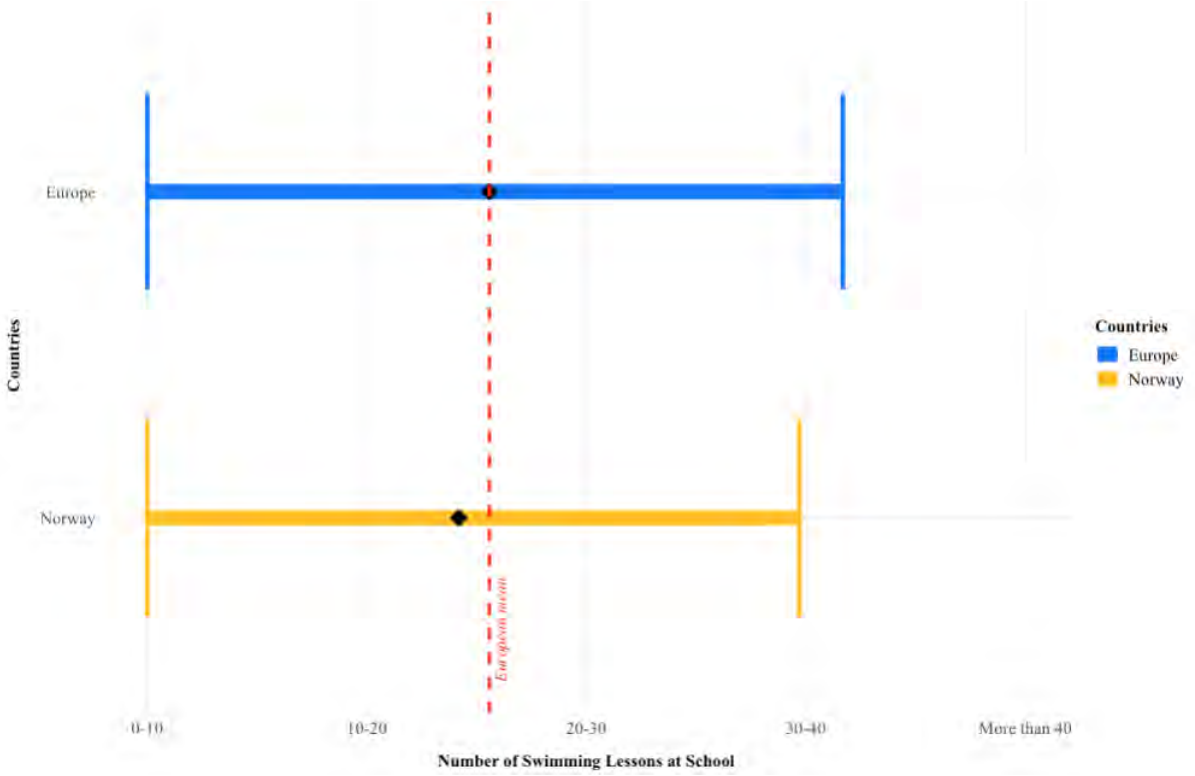


Figure 521. Distribution of the the Number of Lessons at School in Europe and in Norway (Mean±SD).

Table 896. Comparative Analysis of the Number of Lessons at School in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	282	2,389	0.24	0.04 [a]	0.11 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

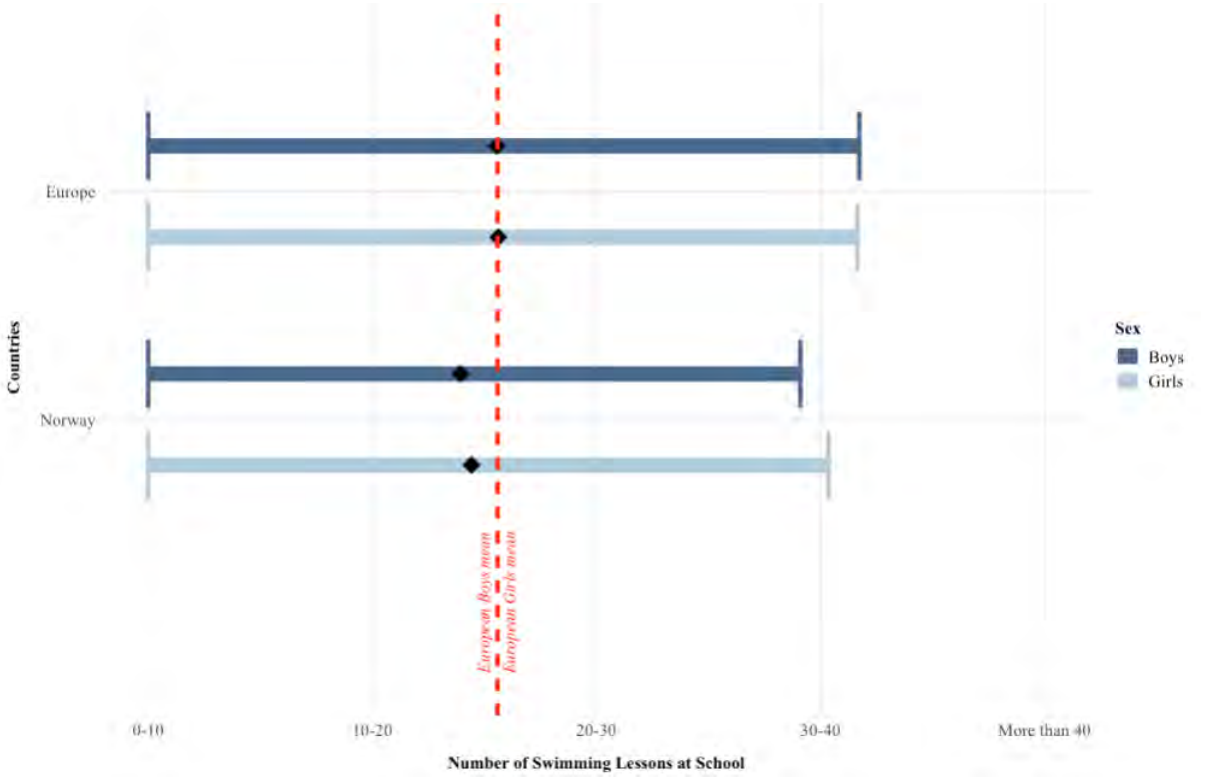


Figure 522. Distribution of the the Number of Lessons at School according to the Sex in Europe and in Norway (Mean±SD).

Table 897. Comparative Analysis of the Number of Lessons at School in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	Boys	142	1,198	0.38	0.02 [a]	0.08 [1]
	Girls	140	1,191	0.43	0.02 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 898. Comparative Analysis of the Number of Lessons at School in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	Boys *vs* Girls	142	140	0.91	0.006 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

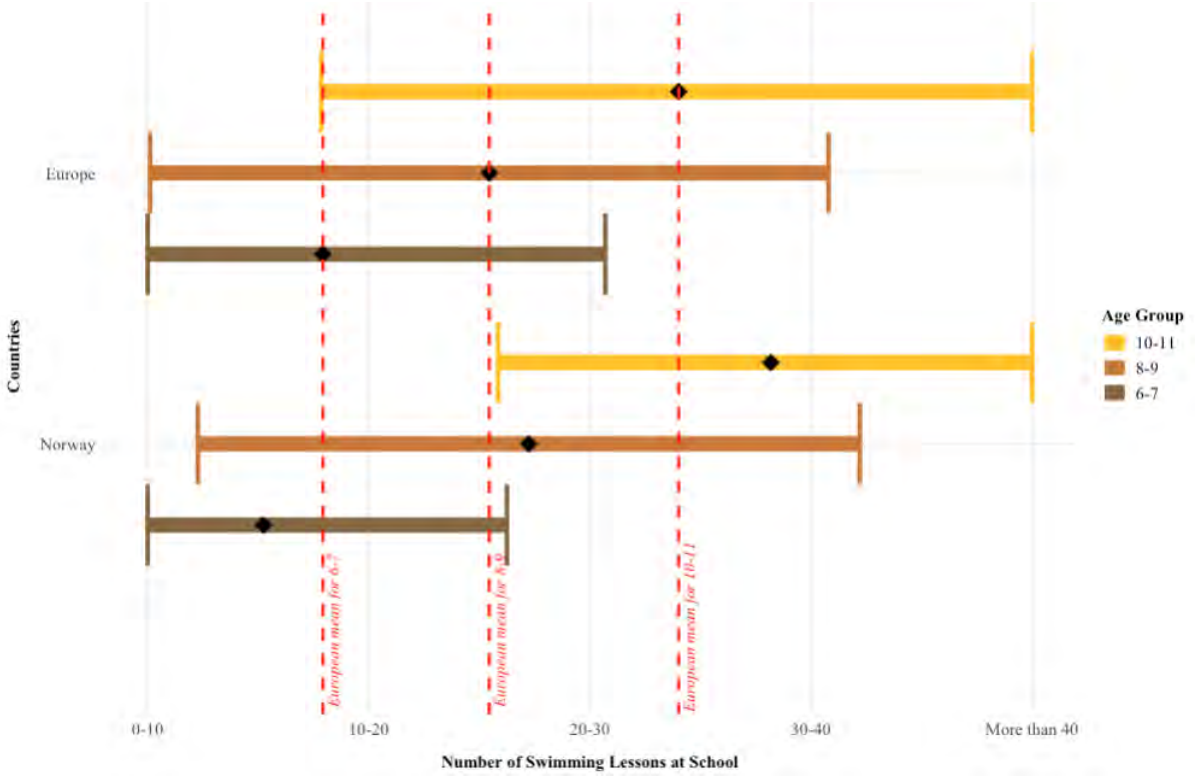


Figure 523. Distribution of the the Number of Lessons at School according to the Age Group in Europe and in Norway (Mean±SD).

Table 899. Comparative Analysis of the Number of Lessons at School in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	122	747	0.01 *	0.07 [a]	0.3 [1]
	8-9 yo	105	947	0.14	0.04 [a]	0.14 [1]
	10-11 yo	55	695	0.1	0.06 [a]	0.13 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 900. Comparative Analysis of the Number of Lessons at School in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	122	105		5.19^{e-13} ***	0.44 [b]	1 [4]
	8-9 yo *vs* 10-11 yo		105	55	9.95^{e-06} ***	0.34 [b]	0.99 [4]
	6-7 yo *vs* 10-11 yo	122		55	4.3^{e-21} ***	0.65 [c]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

c. Number of lessons out-of-school

Overview

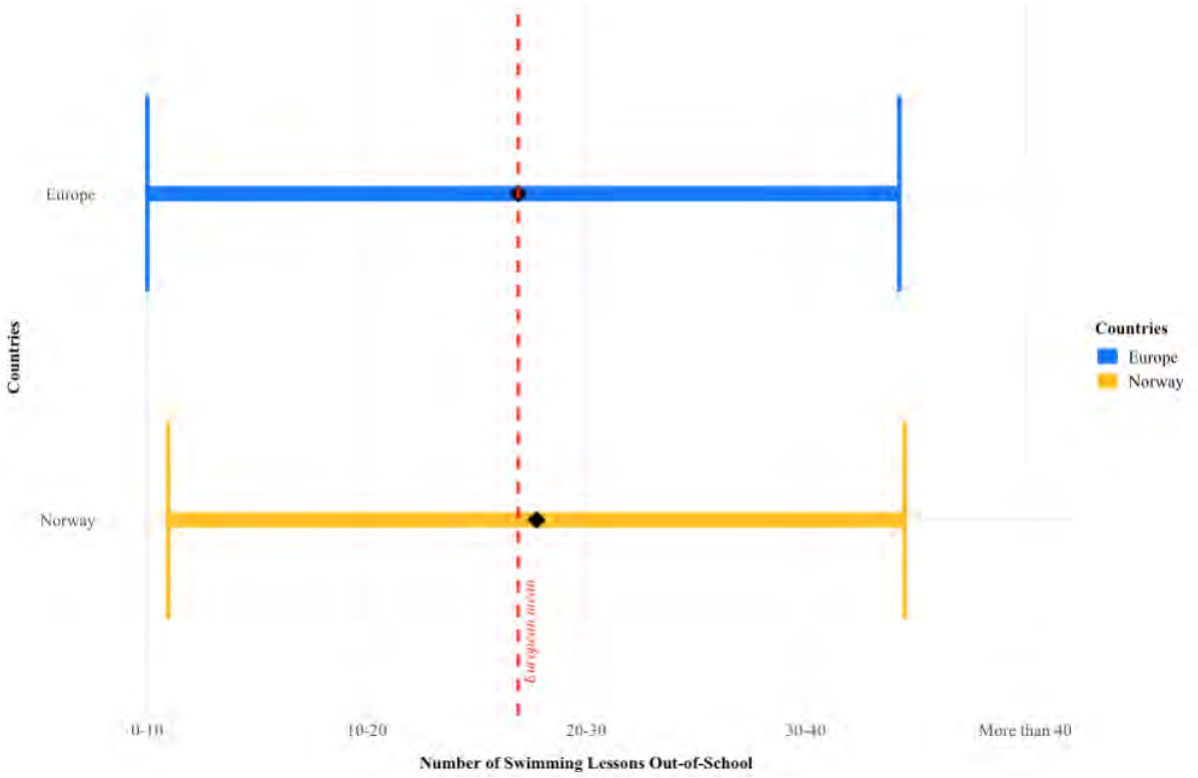


Figure 524. Distribution of the the Number of Lessons Out-of-School in Europe and in Norway (Mean±SD).

Table 901. Comparative Analysis of the Number of Lessons Out-of-School in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	299	2,513	0.23	0.04 [a]	0.11 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

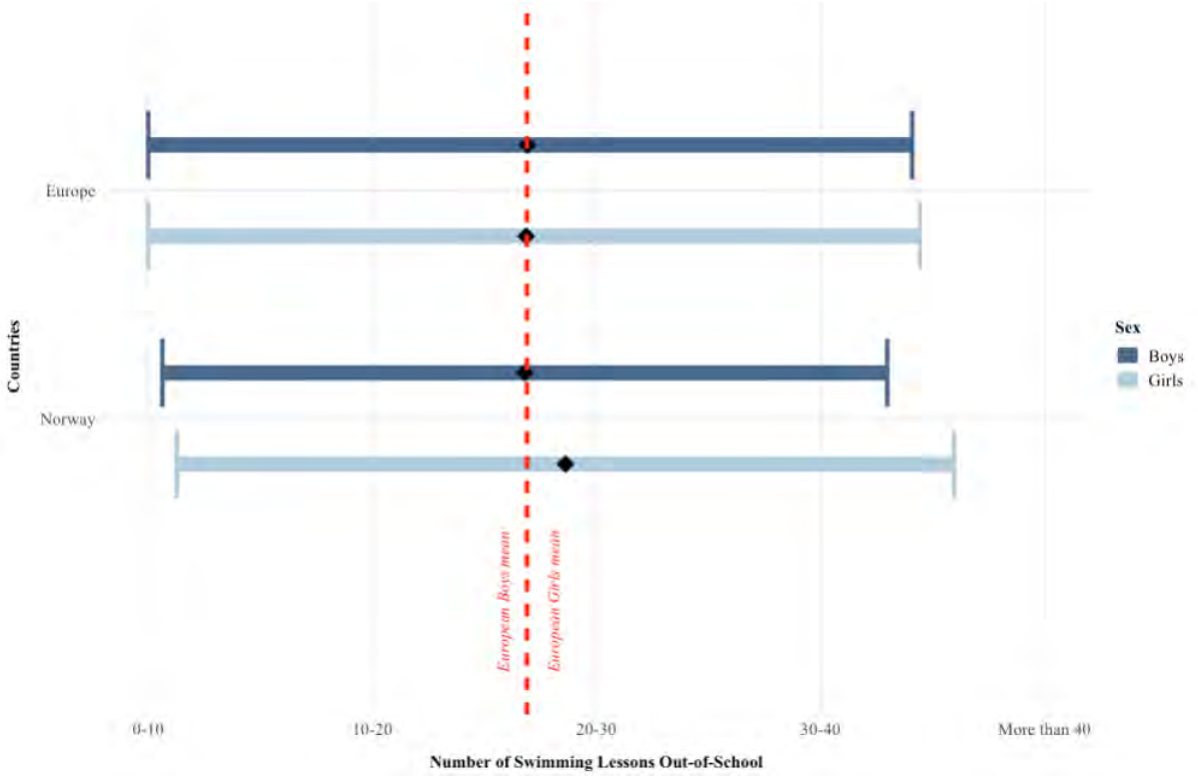


Figure 525. Distribution of the the Number of Lessons Out-of-School according to the Sex in Europe and in Norway (Mean±SD).

Table 902. Comparative Analysis of the Number of Lessons Out-of-School in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	Boys	147	1,270	0.74	0.008 [a]	0.05 [1]
	Girls	152	1,243	0.18	0.03 [a]	0.12 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 903. Comparative Analysis of the Number of Lessons Out-of-School in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway	Boys *vs* Girls	147	152	0.47	0.04 [a]	0.1 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

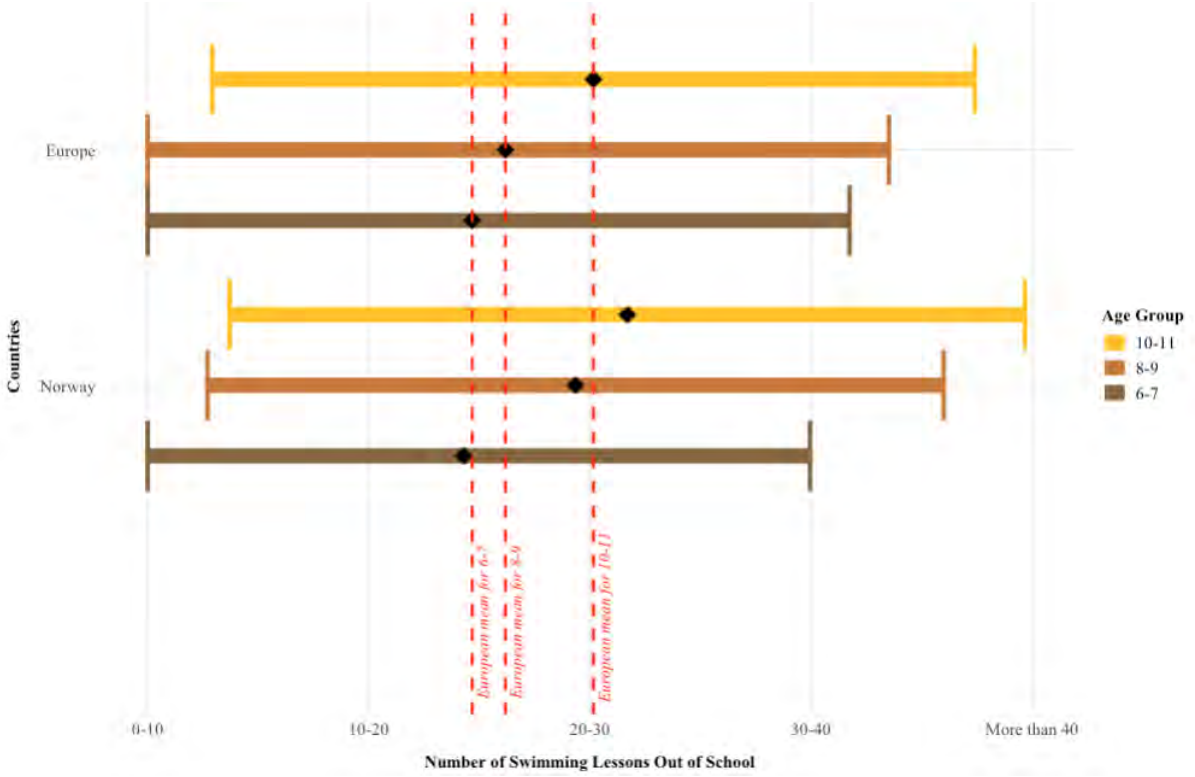


Figure 526. Distribution of the the Number of Lessons Out-of-School according to the Age Group in Europe and in Norway (Mean±SD).

Table 904. Comparative Analysis of the Number of Lessons Out-of-School in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	126	772	0.72	0.01 [a]	0.06 [1]
	8-9 yo	108	997	0.03 *	0.06 [a]	0.24 [1]
	10-11 yo	65	744	0.51	0.2 [b]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 905. Comparative Analysis of the Number of Lessons Out-of-School in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	126	108		0.02 *	0.15	0.63 [2]
	8-9 yo *vs* 10-11 yo		108	65	0.47	0.05	0.1 [1]
	6-7 yo *vs* 10-11 yo	126		65	0.01 *	0.18	0.65 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

d. Do parents/caregivers know to swim?

Overview

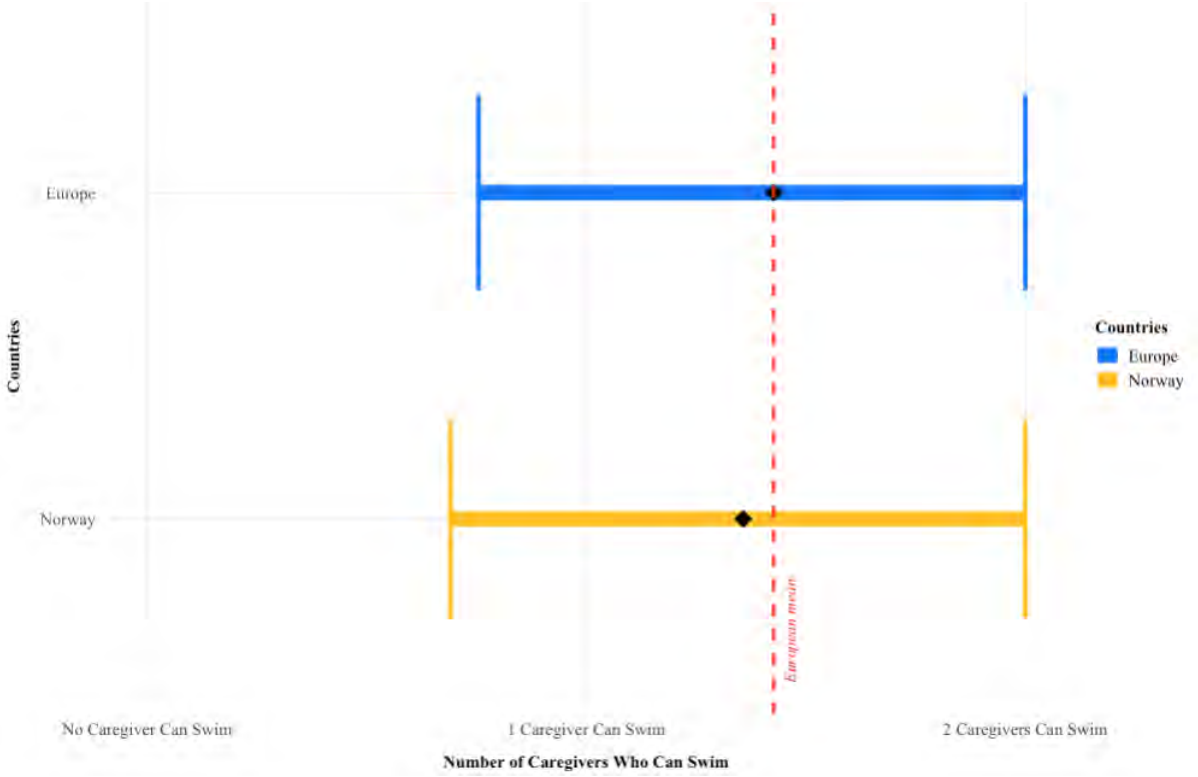


Figure 527. Distribution of the the Number of Caregivers Who Can Swim in Europe and in Norway (Mean±SD).

Table 906. Comparative Analysis of the Number of Caregivers Who Can Swim in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	347	2,764	0.04 *	0.07 [a]	0.22 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

C. Child questionnaire

Descriptive analysis

Table 907. Number of children answering to the child questionnaire

Country	Sex	Age group	Intrinsic motivation (n=)	Identified motivation (n=)	Confidence in deep water (n=)	Perceived entry (n=)	Perceived exit (n=)
Europe	Boys	6-7	375	375	370	332	342
		8-9	569	569	564	518	517
		10-11	404	404	403	381	381
	Girls	6-7	406	406	402	377	381
		8-9	506	506	504	466	478
		10-11	421	421	415	395	401
Norway	Boys	6-7	56	56	56	56	56
		8-9	71	71	71	71	71
		10-11	39	39	39	39	39
	Girls	6-7	71	71	71	72	71
		8-9	53	53	53	53	53
		10-11	35	35	34	35	35
Total			**3,006**	**3,006**	**2,982**	**2,795**	**2,825**

Country	Sex	Age group	Perceived rotation (n=)	Perceived breathing (n=)	Perceived treading (n=)	Perceived back propulsion (n=)	Perceived belly propulsion (n=)
Europe	Boys	6-7	321	346	346	341	338
		8-9	494	540	534	521	523
		10-11	367	382	388	383	376
	Girls	6-7	361	376	375	373	368
		8-9	449	476	479	470	475
		10-11	379	394	399	392	394
Norway	Boys	6-7	48	56	55	55	56
		8-9	53	71	71	71	71
		10-11	23	38	38	38	38
	Girls	6-7	62	71	71	71	71
		8-9	39	53	53	52	52
		10-11	22	35	35	35	35
Total			**2,618**	**2,838**	**2,844**	**2,802**	**2,787**

Country	Sex	Age group	Perceived submersion (n=)	Perceived floatation (n=)	Like lessons at school (n=)	Like lessons at school with friends (n=)	Like lessons out-of- school (n=)
Europe	Boys	6-7	338	342	223	226	249
		8-9	524	525	440	447	380
		10-11	380	381	347	352	304
	Girls	6-7	372	369	260	267	284
		8-9	471	475	379	382	325
		10-11	392	396	387	391	300
Norway	Boys	6-7	56	54	20	20	46
		8-9	71	71	56	56	65
		10-11	38	38	37	37	37
	Girls	6-7	71	71	28	28	65
		8-9	53	53	48	49	47
		10-11	35	35	35	35	33
Total			**2,801**	**2,810**	**2,260**	**2,290**	**2,135**

Notes. Europe: Belgium, France, Germany, Lithuania, Poland and Portugal.

Table 907. Cont.

Country	Sex	Age group	Like lessons out-of- school with friends (n=)	Like paying in the pool (n=)	Like paying in the pool with friends (n=)	Like paying in the pool with family (n=)
Europe	Boys	6-7	262	357	351	355
		8-9	382	544	533	539
		10-11	296	395	389	386
	Girls	6-7	296	383	382	379
		8-9	347	497	486	484
		10-11	310	412	413	409
Norway	Boys	6-7	52	53	53	52
		8-9	64	70	70	71
		10-11	36	38	38	38
	Girls	6-7	66	69	69	69
		8-9	49	53	53	53
		10-11	33	35	35	35
Total			**2,195**	**2,906**	**2,872**	**2,870**

Country	Sex	Age group	Swimming Race (n=)	Water-Polo (n=)	Synchronised Swimming (n=)	Diving (n=)	Activity 1 (n=)	Activity 2 (n=)
Europe	Boys	6-7	359	360	360	353	356	356
		8-9	556	552	552	555	555	552
		10-11	399	396	396	392	393	391
	Girls	6-7	397	397	397	390	387	392
		8-9	502	495	495	496	497	498
		10-11	421	421	421	414	414	412
Norway	Boys	6-7	53	53	53	53	53	53
		8-9	71	71	71	71	71	71
		10-11	37	38	38	38	38	38
	Girls	6-7	70	70	70	70	70	70
		8-9	53	53	53	53	53	53
		10-11	35	35	35	35	35	34
Total			**2,953**	**2,941**	**2,923**	**2,920**	**2,922**	**2,920**

Country	Sex	Age group	Activity 3 (n=)	Activity 4 (n=)	Low risk in the pool (n=)	High risk in the pool (n=)	Low risk open water (n=)	High risk open water (n=)
Europe	Boys	6-7	352	358	370	368	370	370
		8-9	549	552	566	567	567	567
		10-11	393	394	399	399	396	396
	Girls	6-7	394	397	406	406	403	402
		8-9	493	496	507	506	507	506
		10-11	415	410	421	421	421	421
Norway	Boys	6-7	53	53	53	53	53	53
		8-9	71	71	71	71	70	70
		10-11	38	38	38	38	38	38
	Girls	6-7	70	70	70	69	68	68
		8-9	53	53	53	53	53	53
		10-11	35	34	34	34	34	35
Total			**2,916**	**2,926**	**2,988**	**2,985**	**2,980**	**2,979**

Notes. Europe: Belgium, France, Germany, Lithuania, Poland and Portugal.

Table 908. Descriptive analyse of the child questionnaire.

Country	Sex	Age group	Intrinsic motivation Mean (±SD)	Identified motivation Mean (±SD)	Confidence in deep water Mean (±SD)	Perceived entry Mean (±SD)	Perceived exit Mean (±SD)
Europe	Boys	6-7	4.54 (±0.77)	4.22 (±0.88)	3.41 (±1.64)	3.84 (±1.62)	4.27 (±1.46)
		8-9	4.5 (±0.66)	4.15 (±0.8)	3.82 (±1.47)	4.11 (±1.41)	4.52 (±1.1)
		10-11	4.57 (±0.62)	4.26 (±0.69)	4.31 (±1.05)	4.57 (±0.95)	4.73 (±0.8)
	Girls	6-7	4.59 (±0.72)	4.21 (±0.86)	3.44 (±1.67)	3.48 (±1.78)	4.09 (±1.5)
		8-9	4.63 (±0.6)	4.26 (±0.71)	3.69 (±1.42)	3.81 (±1.42)	4.36 (±1.25)
		10-11	4.5 (±0.64)	4.21 (±0.67)	4.09 (±1.21)	4.22 (±1.12)	4.62 (±0.91)
Norway	Boys	6-7	4.56 (±0.64)	3.96 (±0.97)	3.25 (±1.6)	3.9 (±1.56)	4.38 (±1.28)
		8-9	4.54 (±0.75)	4.18 (±0.92)	4.05 (±1.11)	4.47 (±0.86)	4.77 (±0.84)
		10-11	4.56 (±0.55)	4.22 (±0.62)	4.03 (±1.12)	4.54 (±1.05)	4.98 (±0.17)
	Girls	6-7	4.71 (±0.53)	4.19 (±0.77)	3.05 (±1.46)	3.55 (±1.73)	4.24 (±1.51)
		8-9	4.65 (±0.54)	4.3 (±0.72)	3.59 (±1.28)	4.29 (±1.27)	4.72 (±0.82)
		10-11	4.47 (±0.64)	4.1 (±0.73)	4.18 (±0.94)	4.29 (±1.02)	4.69 (±0.87)

Country	Sex	Age group	Perceived rotation Mean (±SD)	Perceived breathing Mean (±SD)	Perceived treading Mean (±SD)	Perceived back propulsion Mean (±SD)	Perceived belly propulsion Mean (±SD)
Europe	Boys	6-7	3.07 (±1.95)	4.22 (±1.43)	3.47 (±1.74)	3.5 (±1.75)	3.9 (±1.64)
		8-9	3.63 (±1.73)	4.41 (±1.07)	3.69 (±1.52)	4.02 (±1.49)	4.22 (±1.36)
		10-11	4.27 (±1.3)	4.52 (±0.83)	4.13 (±1.17)	4.29 (±1.14)	4.57 (±0.86)
	Girls	6-7	2.72 (±1.95)	3.98 (±1.54)	3.11 (±1.81)	3.33 (±1.85)	3.62 (±1.74)
		8-9	3.48 (±1.66)	4.43 (±1)	3.68 (±1.54)	3.94 (±1.51)	4.09 (±1.32)
		10-11	4.04 (±1.46)	4.38 (±0.92)	3.89 (±1.19)	4.16 (±1.21)	4.35 (±1.12)
Norway	Boys	6-7	3.32 (±1.79)	3.75 (±1.74)	3.44 (±1.76)	3.31 (±1.67)	3.67 (±1.72)
		8-9	4.04 (±1.21)	4.36 (±1.1)	4.06 (±1.23)	4.02 (±1.26)	4.3 (±1.07)
		10-11	4.31 (±1.19)	4.16 (±0.79)	3.87 (±0.94)	4.24 (±0.92)	4.27 (±0.73)
	Girls	6-7	3.12 (±1.79)	3.96 (±1.57)	3.58 (±1.67)	4 (±1.47)	3.81 (±1.47)
		8-9	4 (±1.24)	4.14 (±0.93)	3.7 (±1.48)	3.79 (±1.32)	4.14 (±1.35)
		10-11	4.28 (±1.43)	4.29 (±0.72)	3.8 (±1.08)	3.86 (±1.31)	3.92 (±0.92)

Country	Sex	Age group	Perceived submersion Mean (±SD)	Perceived floatation Mean (±SD)	Like lessons at school Mean (±SD)	Like lessons at school with friends Mean (±SD)	Like lessons out-of- school Mean (±SD)
Europe	Boys	6-7	3.79 (±1.71)	3.64 (±1.73)	4.25 (±1.28)	4.08 (±1.34)	4.38 (±1.19)
		8-9	4.19 (±1.35)	4.07 (±1.34)	4.18 (±1.14)	4.14 (±1.19)	4.2 (±1.18)
		10-11	4.45 (±0.94)	4.32 (±0.99)	4.06 (±1.1)	3.99 (±1.06)	4.06 (±1.15)
	Girls	6-7	3.53 (±1.82)	3.46 (±1.76)	4.42 (±1.02)	4.28 (±1.17)	4.28 (±1.22)
		8-9	4.18 (±1.32)	4.19 (±1.25)	4.26 (±1.03)	4.23 (±0.97)	4.41 (±0.95)
		10-11	4.18 (±1.17)	4.3 (±1.01)	3.94 (±1.13)	4 (±1.01)	4.23 (±0.98)
Norway	Boys	6-7	3.75 (±1.76)	3.73 (±1.68)	4.3 (±1.13)	3.9 (±1.26)	4.44 (±1.03)
		8-9	4.17 (±1.16)	4.15 (±1.16)	4.24 (±1.18)	4.25 (±1.07)	4.53 (±0.85)
		10-11	3.93 (±1.03)	4.37 (±0.79)	4.28 (±0.57)	4.09 (±0.76)	3.76 (±1.15)
	Girls	6-7	3.79 (±1.66)	3.84 (±1.57)	4.58 (±0.93)	4.54 (±0.7)	4.5 (±1.01)
		8-9	3.85 (±1.5)	4.14 (±1.2)	4.32 (±0.91)	4.23 (±0.83)	4.37 (±1.04)
		10-11	4.06 (±1.03)	3.86 (±1.46)	4.26 (±0.71)	4 (±0.81)	3.76 (±1.15)

Notes. Europe: Belgium, France, Germany, Lithuania, Poland and Portugal.

Table 908. Cont.

Country	Sex	Age group	Like lessons out-of- school with friends Mean (±SD)	Like paying in the pool Mean (±SD)	Like paying in the pool with friends Mean (±SD)	Like paying in the pool with family Mean (±SD)
Europe	Boys	6-7	4.18 (±1.3)	4.67 (±0.93)	4.59 (±1)	4.67 (±0.95)
		8-9	3.98 (±1.29)	4.71 (±0.77)	4.64 (±0.88)	4.71 (±0.77)
		10-11	4.02 (±1.15)	4.67 (±0.67)	4.74 (±0.63)	4.6 (±0.75)
	Girls	6-7	4.19 (±1.23)	4.69 (±0.84)	4.7 (±0.77)	4.74 (±0.78)
		8-9	4.18 (±1.13)	4.76 (±0.63)	4.73 (±0.73)	4.75 (±0.72)
		10-11	4.03 (±1.02)	4.63 (±0.76)	4.76 (±0.54)	4.69 (±0.66)
Norway	Boys	6-7	4.29 (±1.11)	4.7 (±0.7)	4.78 (±0.58)	4.85 (±0.46)
		8-9	4.18 (±1.07)	4.58 (±0.95)	4.62 (±0.84)	4.67 (±0.78)
		10-11	3.53 (±1.03)	4.43 (±0.6)	4.53 (±0.83)	4.37 (±0.64)
	Girls	6-7	4.67 (±0.83)	4.79 (±0.69)	4.86 (±0.58)	4.93 (±0.5)
		8-9	4.27 (±0.84)	4.68 (±0.55)	4.67 (±0.59)	4.78 (±0.55)
		10-11	3.73 (±1.13)	4.29 (±0.9)	4.49 (±0.66)	4.52 (±0.75)

Country	Sex	Age group	Swimming Race Mean (±SD)	Water Polo Mean (±SD)	Synchronised Swimming Mean (±SD)	Diving Mean (±SD)	Activity 1 Mean (±SD)	Activity 2 Mean (±SD)
Europe	Boys	6-7	3.43 (±1.71)	3.9 (±1.58)	2.06 (±1.55)	3.63 (±1.71)	3.97 (±1.57)	3.87 (±1.56)
		8-9	3.47 (±1.58)	4.01 (±1.42)	1.97 (±1.45)	3.9 (±1.52)	4.15 (±1.33)	4.11 (±1.36)
		10-11	3.32 (±1.47)	3.96 (±1.34)	1.86 (±1.25)	3.86 (±1.42)	4.08 (±1.21)	4.21 (±1.2)
	Girls	6-7	3.36 (±1.67)	3.13 (±1.69)	3.49 (±1.67)	3.13 (±1.76)	3.74 (±1.61)	3.42 (±1.7)
		8-9	3.48 (±1.5)	3.37 (±1.51)	3.63 (±1.5)	3.5 (±1.61)	4.03 (±1.3)	3.82 (±1.46)
		10-11	3.28 (±1.33)	3.59 (±1.31)	3.42 (±1.44)	3.63 (±1.42)	4.07 (±1.21)	4.07 (±1.19)
Norway	Boys	6-7	3.67 (±1.56)	4.23 (±1.3)	3 (±1.78)	3.8 (±1.66)	4.1 (±1.49)	3.85 (±1.54)
		8-9	4.12 (±1.24)	3.86 (±1.35)	2.88 (±1.61)	3.85 (±1.28)	4.05 (±1.19)	4.19 (±1.18)
		10-11	3.28 (±1.27)	3.45 (±1.18)	2.11 (±1.19)	3.14 (±1.36)	3.77 (±1)	4.03 (±1)
	Girls	6-7	3.73 (±1.56)	3.95 (±1.45)	3.72 (±1.58)	3.43 (±1.64)	3.85 (±1.5)	4.03 (±1.38)
		8-9	4.27 (±1.18)	3.61 (±1.27)	3.7 (±1.3)	3.65 (±1.37)	3.97 (±1.16)	4.1 (±1.26)
		10-11	3.8 (±1.08)	3.63 (±1.06)	3.4 (±1.2)	3.43 (±1.25)	3.78 (±1.06)	3.71 (±1.3)

Country	Sex	Age group	Activity 3 Mean (±SD)	Activity 4 Mean (±SD)	Low risk in the pool Mean (±SD)	High risk in the pool Mean (±SD)	Low risk open water Mean (±SD)	High risk open water Mean (±SD)
Europe	Boys	6-7	3.89 (±1.6)	3.67 (±1.63)	3.29 (±1.31)	2.73 (±1.22)	3.88 (±1.22)	2.46 (±1.4)
		8-9	4.07 (±1.39)	3.82 (±1.45)	3.37 (±1.22)	2.81 (±1.08)	3.89 (±1.18)	2.75 (±1.32)
		10-11	4.09 (±1.24)	3.72 (±1.41)	3.57 (±1.05)	2.55 (±1.16)	4.03 (±1.09)	2.22 (±1.25)
	Girls	6-7	3.33 (±1.66)	3.2 (±1.67)	3.28 (±1.25)	2.91 (±1.16)	3.79 (±1.21)	2.48 (±1.26)
		8-9	3.78 (±1.49)	3.45 (±1.5)	3.23 (±1.18)	2.91 (±1.04)	3.78 (±1.12)	2.82 (±1.3)
		10-11	4.08 (±1.23)	3.6 (±1.32)	3.45 (±1.12)	2.74 (±1.11)	3.9 (±1.17)	2.53 (±1.22)
Norway	Boys	6-7	3.93 (±1.46)	3.63 (±1.58)	4.1 (±1.07)	1.76 (±1.3)	4.5 (±1.07)	1.42 (±1.16)
		8-9	4.3 (±1.02)	3.74 (±1.4)	3.65 (±1.34)	1.55 (±1.23)	4.1 (±1.43)	1.62 (±1.38)
		10-11	3.77 (±1.22)	3.45 (±1.18)	3.64 (±1.13)	1.43 (±1.09)	4.27 (±1.35)	1.4 (±1.27)
	Girls	6-7	3.66 (±1.55)	3.5 (±1.62)	3.58 (±1.22)	2.02 (±1.28)	4.28 (±0.9)	1.71 (±1.16)
		8-9	3.87 (±1.32)	3.34 (±1.33)	3.7 (±1.02)	2.04 (±1.08)	4.17 (±1.07)	1.61 (±1.09)
		10-11	3.66 (±1.09)	3.24 (±1.11)	3.8 (±1.01)	2.18 (±1.17)	4.36 (±0.89)	1.58 (±1.32)

Notes. Europe: Belgium, France, Germany, Lithuania, Poland and Portugal.

a. Intrinsic motivation

Overview

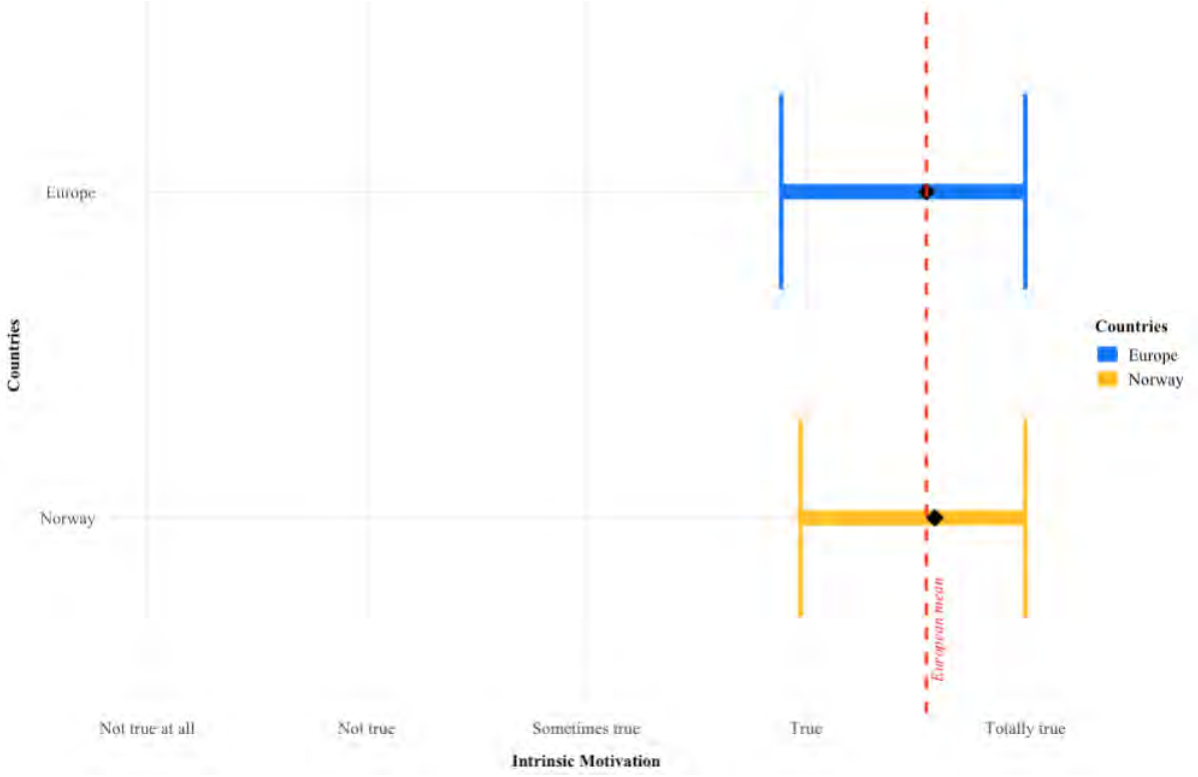


Figure 528. Distribution of the Intrinsic Motivation in Europe and in Norway (Mean±SD).

Table 909. Comparative Analysis of the Intrinsic Motivation in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	325	2,681	0.36	0.03 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

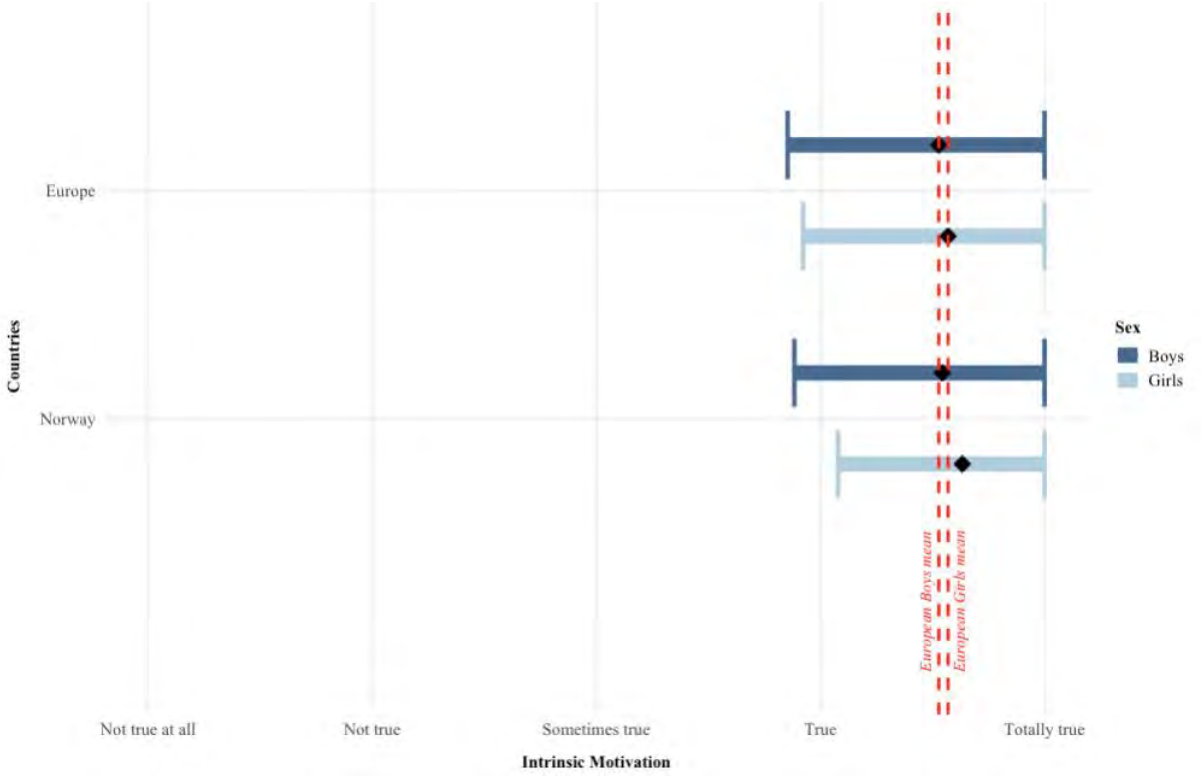


Figure 529. Distribution of the Intrinsic Motivation according to the Sex in Europe and in Norway (Mean±SD).

Table 910. Comparative Analysis of the Intrinsic Motivation in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	Boys	166	1,348	0.86	0.004 [a]	0.05 [1]
	Girls	159	1,333	0.24	0.03 [a]	0.1 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 911. Comparative Analysis of the Intrinsic Motivation in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway	Boys *vs* Girls	166	159	0.14	0.08 [a]	0.28 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

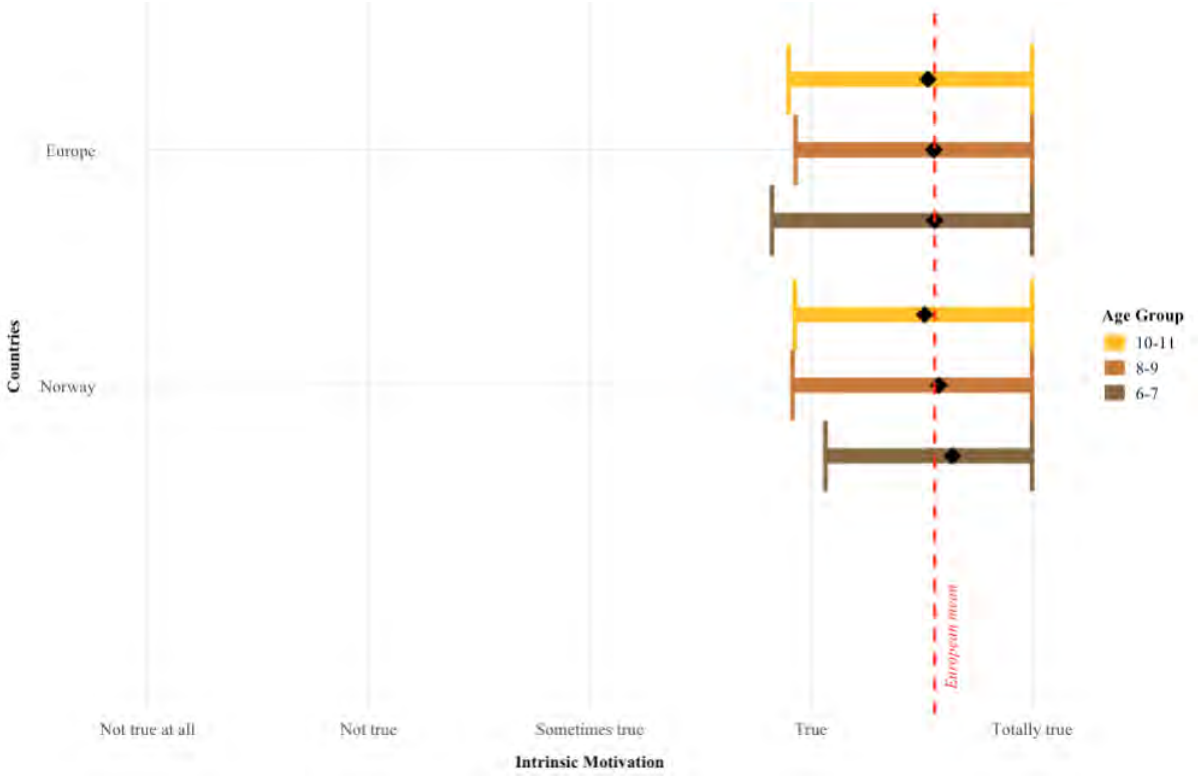


Figure 530. Distribution of the Intrinsic Motivation according to the Age Group in Europe and in Norway (Mean±SD).

Table 912. Comparative Analysis of the Intrinsic Motivation in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	127	781	0.71	0.01 [a]	0.06 [1]
	8-9 yo	124	1,075	0.32	0.03 [a]	0.09 [1]
	10-11 yo	74	825	0.59	0.02 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 913. Comparative Analysis of the Intrinsic Motivation in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	127	124		0.6	0.03 [a]	0.08 [1]
	8-9 yo *vs* 10-11 yo		124	74	0.15	0.09 [a]	0.25 [1]
	6-7 yo *vs* 10-11 yo	127		74	0.05	0.13 [a]	0.43 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

b. Identified motivation

Overview

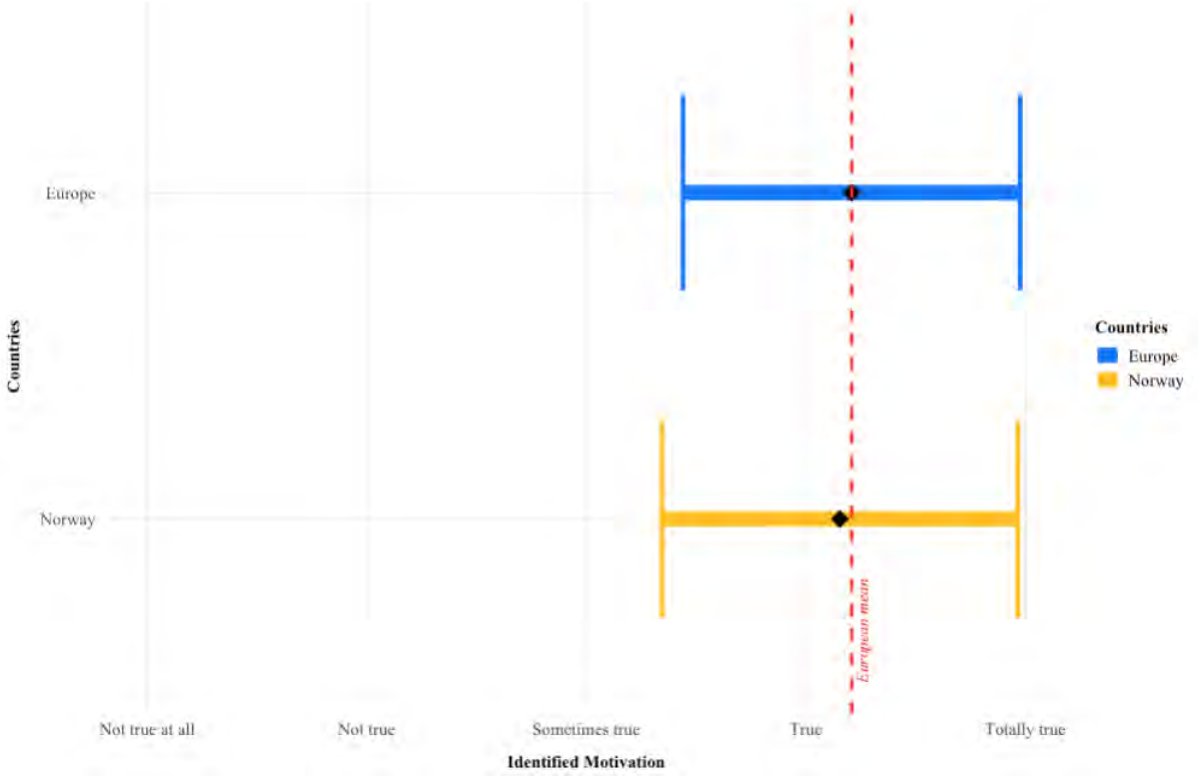


Figure 531. Distribution of the Identified Motivation in Europe and in Norway (Mean±SD).

Table 914. Comparative Analysis of the Identified Motivation in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	325	2,681	0.32	0.04 [a]	0.09 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

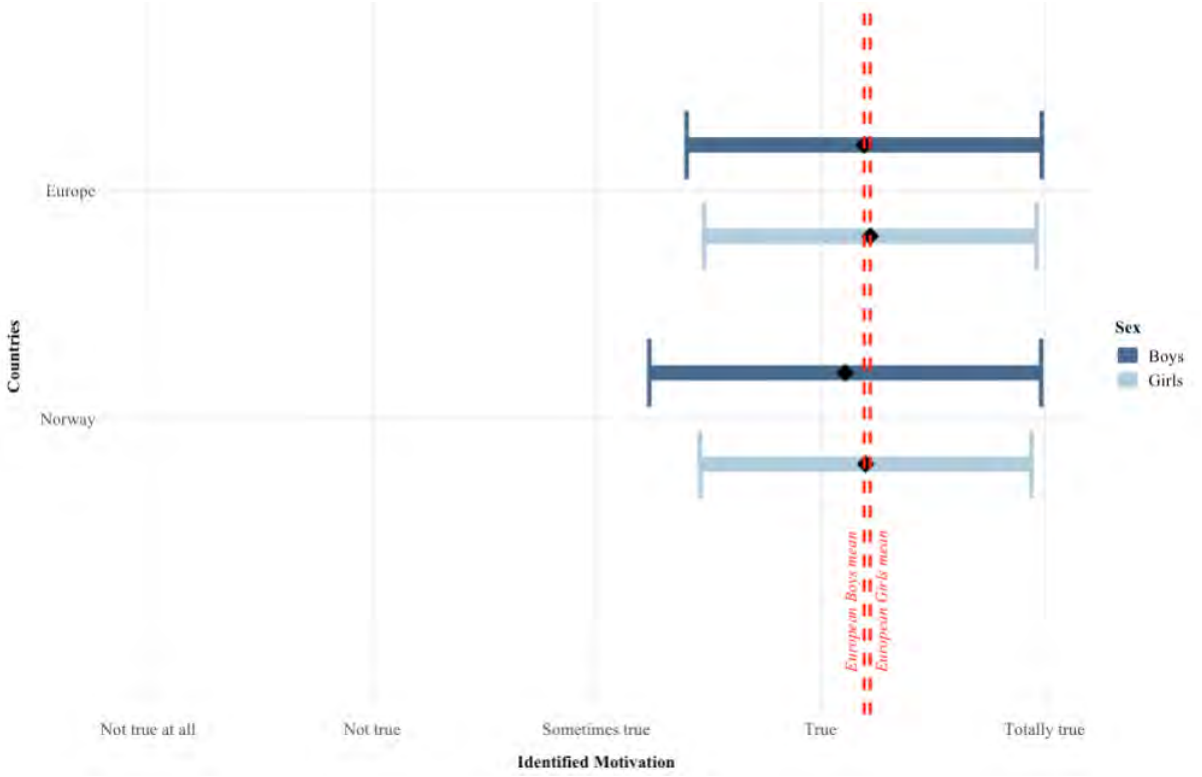


Figure 532. Distribution of the Identified Motivation according to the Sex in Europe and in Norway (Mean±SD).

Table 915. Comparative Analysis of the Identified Motivation in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	Boys	166	1,348	0.31	0.03 [a]	0.1 [1]
	Girls	159	1,333	0.71	0.009 [a]	0.006 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 916. Comparative Analysis of the Identified Motivation in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway	Boys *vs* Girls	166	159	0.56	0.03 [a]	0.09 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (*d<0.2*); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

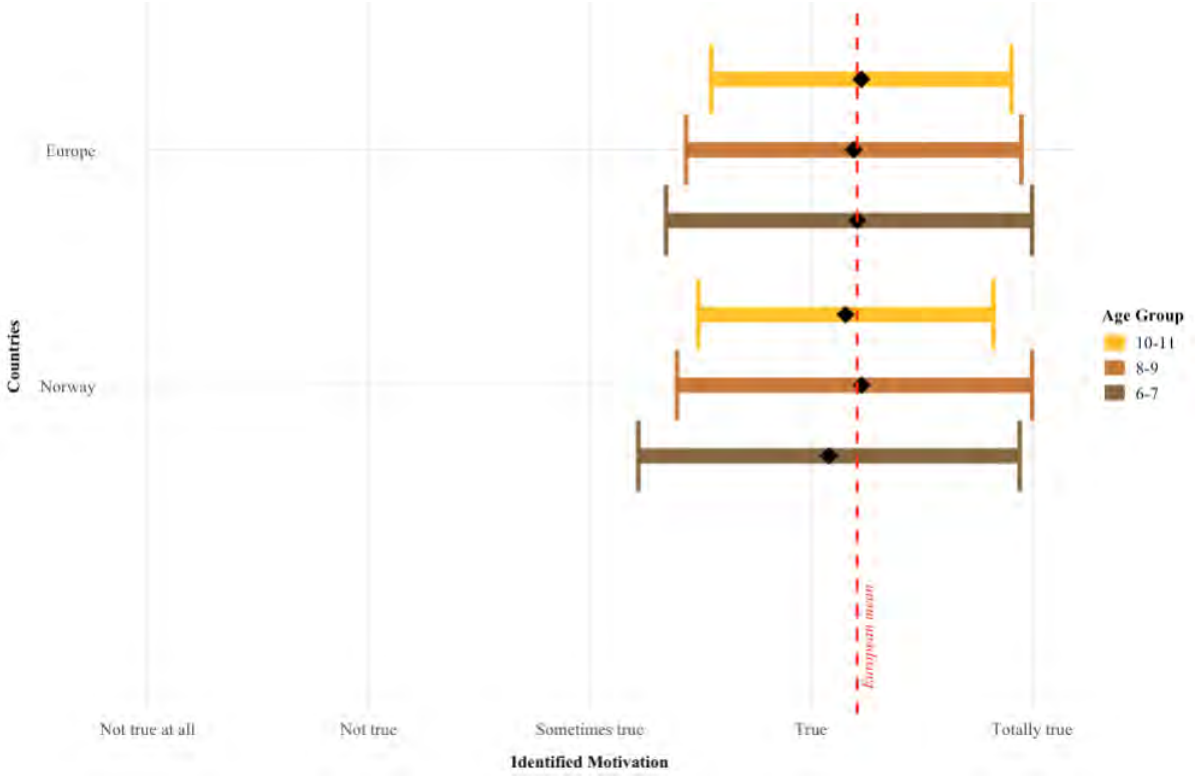


Figure 533. Distribution of the Identified Motivation according to the Age Group in Europe and in Norway (Mean±SD).

Table 917. Comparative Analysis of the Identified Motivation in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	127	781	0.06	0.06 [a]	0.25 [1]
	8-9 yo	124	1,075	0.33	0.03 [a]	0.09 [1]
	10-11 yo	74	825	0.31	0.03 [a]	0.08 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 918. Comparative Analysis of the Identified Motivation in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	127	124		0.14	0.09 [a]	0.31 [1]
	8-9 yo *vs* 10-11 yo		124	74	0.15	0.1 [a]	0.27 [1]
	6-7 yo *vs* 10-11 yo	127		74	0.96	0.003 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

c. Confidence in deep water

Overview

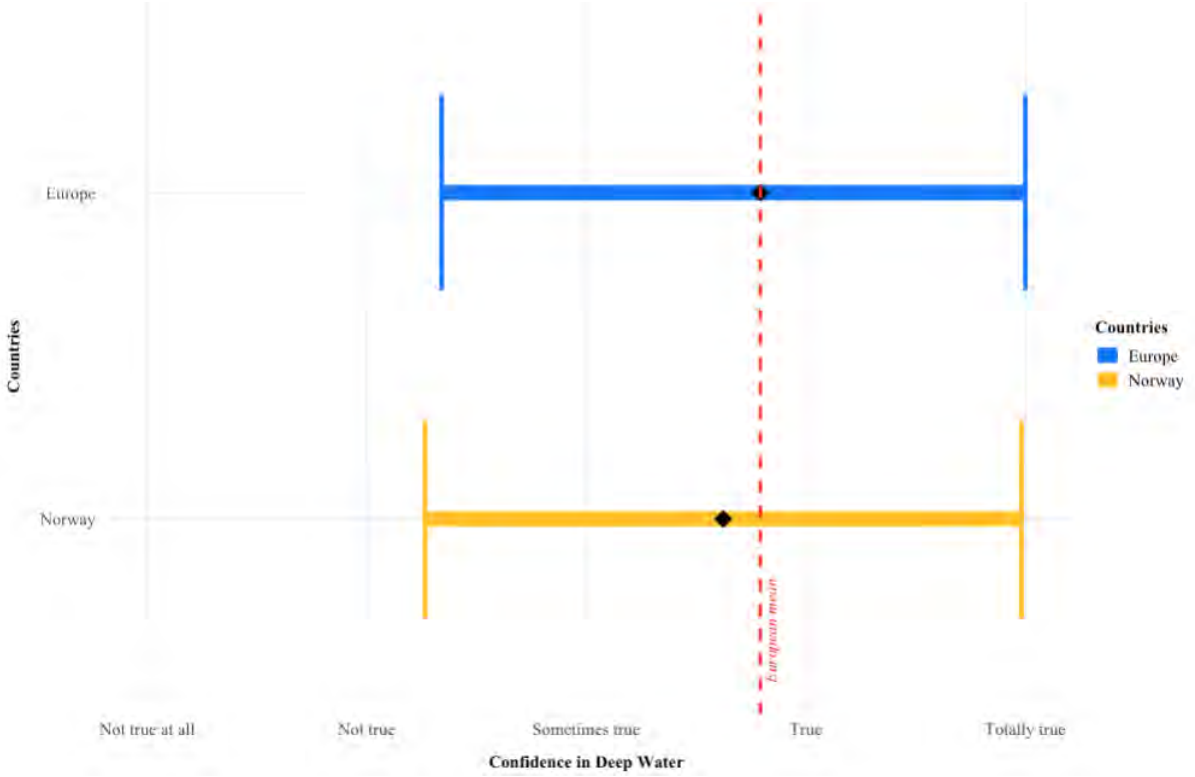


Figure 534. Distribution of the Confidence in Deep Water in Europe and in Norway (Mean±SD).

Table 919. Comparative Analysis of the Confidence in Deep Water in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	324	2,658	0.002 **	0.1 [a]	0.43 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

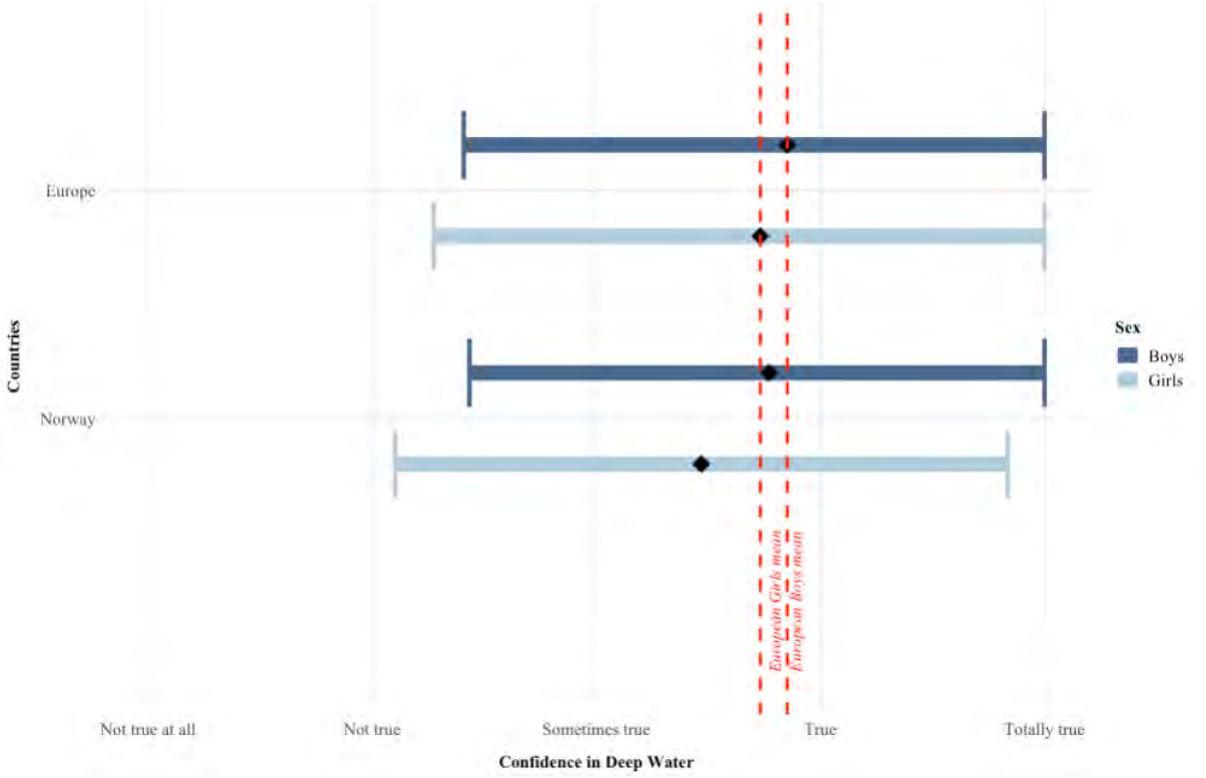


Figure 535. Distribution of the Confidence in Deep Water according to the Sex in Europe and in Norway (Mean±SD).

Table 920. Comparative Analysis of the Confidence in Deep Water in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	Boys	166	1,337	0.12	0.04 [a]	0.15 [1]
	Girls	158	1,321	0.005 **	0.07 [a]	0.38 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 921. Comparative Analysis of the Confidence in Deep Water in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	Boys *vs* Girls	166	158	0.03 *	0.12 [a]	0.55 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

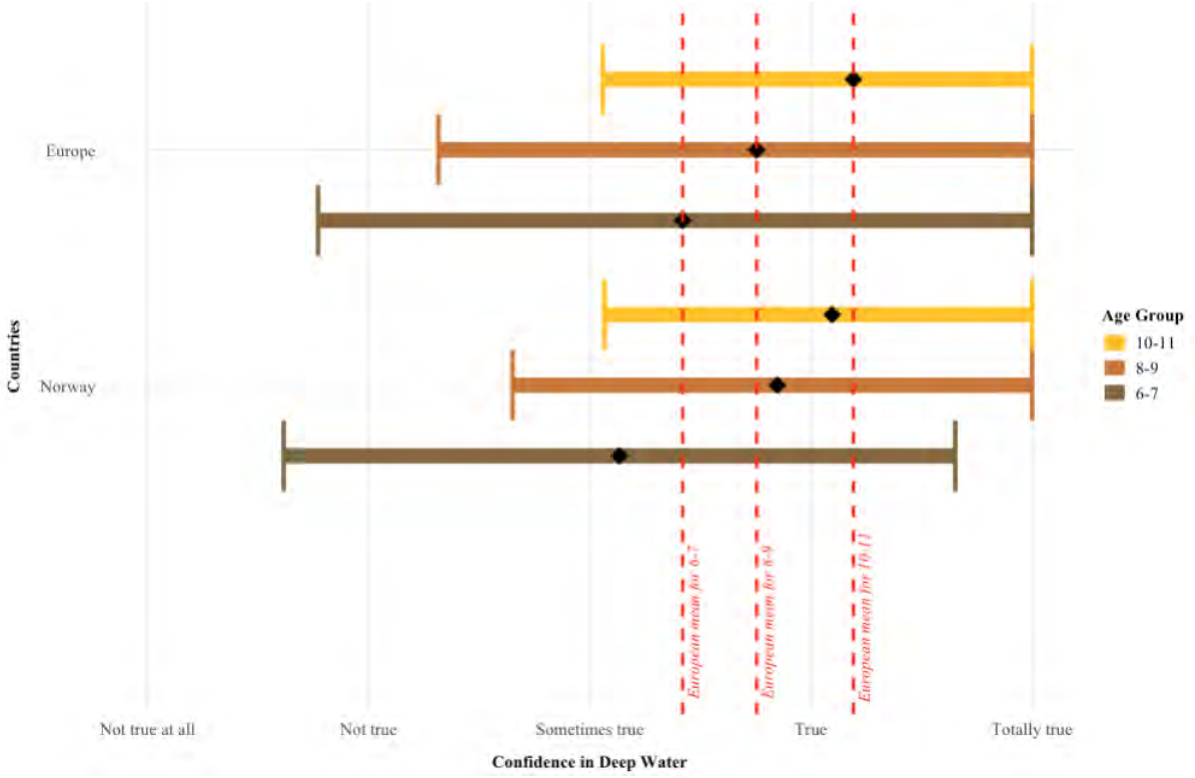


Figure 536. Distribution of the Confidence in Deep Water according to the Age Group in Europe and in Norway (Mean±SD).

Table 922. Comparative Analysis of the Confidence in Deep Water in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	127	772	0.03 *	0.07 [a]	0.29 [1]
	8-9 yo	124	1,068	0.84	0.005 [a]	0.05 [1]
	10-11 yo	73	818	0.14	0.04 [a]	0.11 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 923. Comparative Analysis of the Confidence in Deep Water in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	127	124		2.21^{e-04} ***	0.22 [b]	0.95 [4]
	8-9 yo *vs* 10-11 yo		124	73	0.18	0.09 [a]	0.23 [1]
	6-7 yo *vs* 10-11 yo	127		73	1.75^{e-05} ***	0.29 [b]	0.99 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

e. Perceived skills

1. Perceived entry in the water

Overview

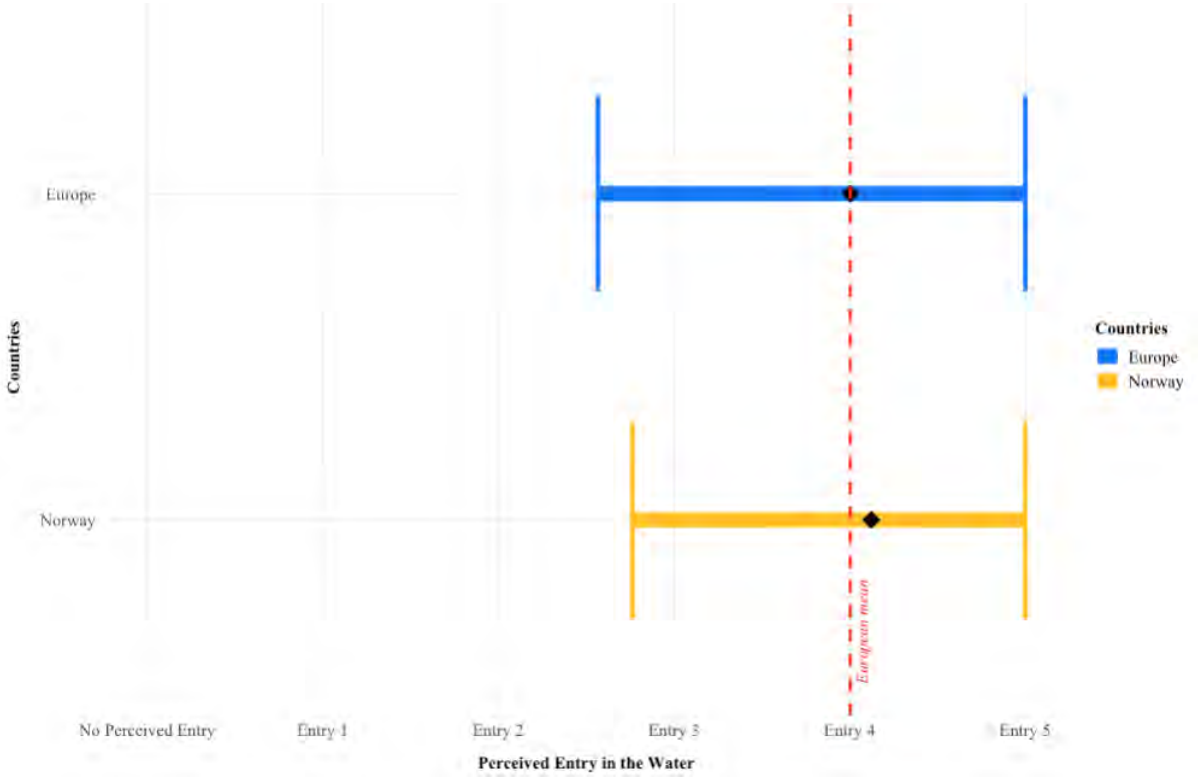


Figure 537. Distribution of the Perceived Entry in the Water in Europe and in Norway (Mean±SD).

Table 924. Comparative Analysis of the Perceived Entry in the Water in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	326	2,469	0.14	0.05 [a]	0.13 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

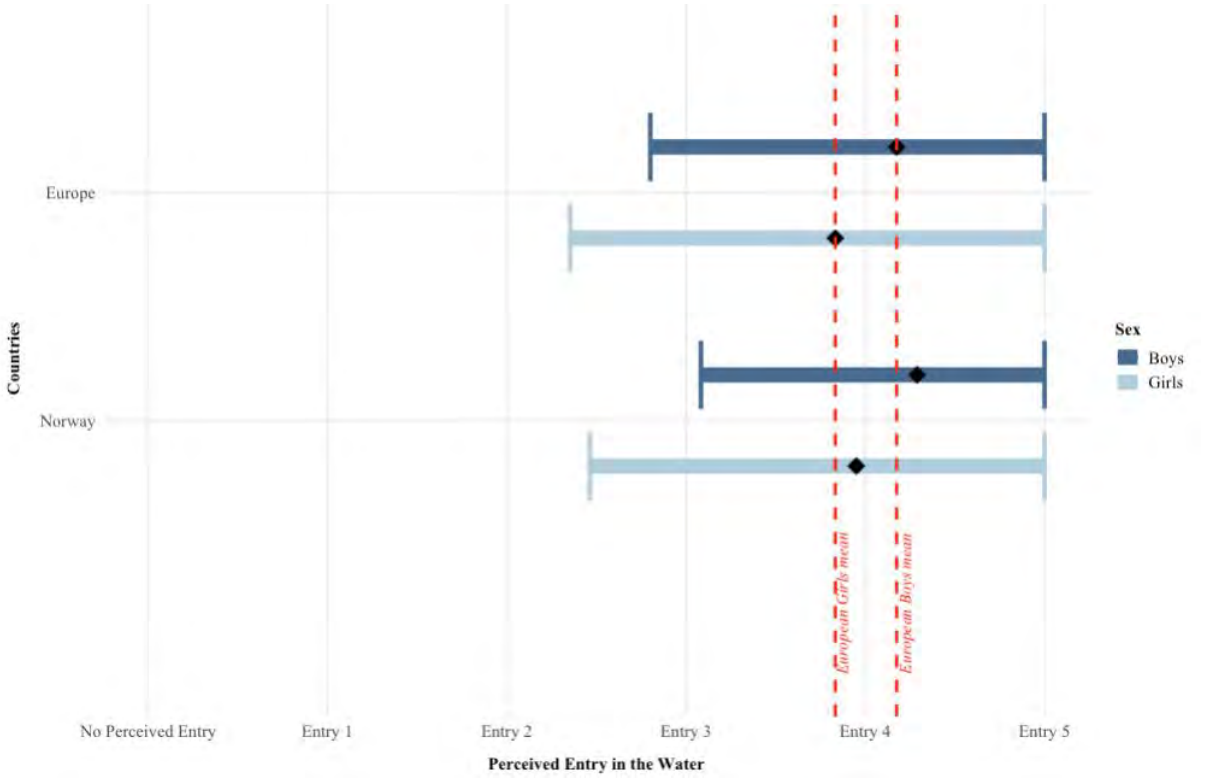


Figure 538. Distribution of the Perceived Entry in the Water according to the Sex in Europe and in Norway (Mean±SD).

Table 925. Comparative Analysis of the Perceived Entry in the Water in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	Boys	166	1,231	0.46	0.002 [a]	0.07 [1]
	Girls	160	1,238	0.21	0.03 [a]	0.11 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 926. Comparative Analysis of the Perceived Entry in the Water in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway	Boys *vs* Girls	166	160	0.03 *	0.11 [a]	0.49 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

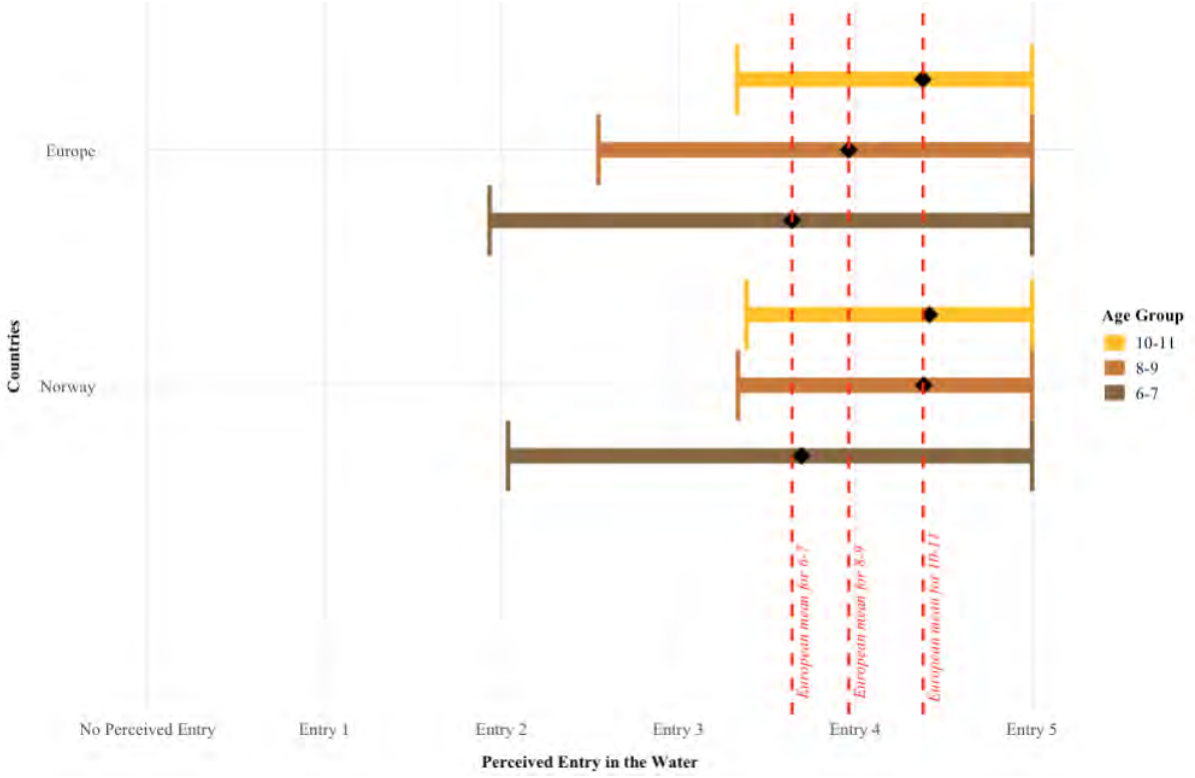


Figure 539. Distribution of the Perceived Entry in the Water according to the Age Group in Europe and in Norway (Mean±SD).

Table 927. Comparative Analysis of the Perceived Entry in the Water in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	128	709	0.75	0.01 [a]	0.05 [1]
	8-9 yo	124	984	0.002 **	0.08 [a]	0.42 [1]
	10-11 yo	74	776	0.77	0.008 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 928. Comparative Analysis of the Perceived Entry in the Water in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	128	124		0.002 **	0.18 [a]	0.81 [3]
	8-9 yo *vs* 10-11 yo		124	74	0.67	0.02 [a]	0.06 [1]
	6-7 yo *vs* 10-11 yo	128		74	0.003 **	0.18 [a]	0.72 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

2. Perceived exit from the water

Overview

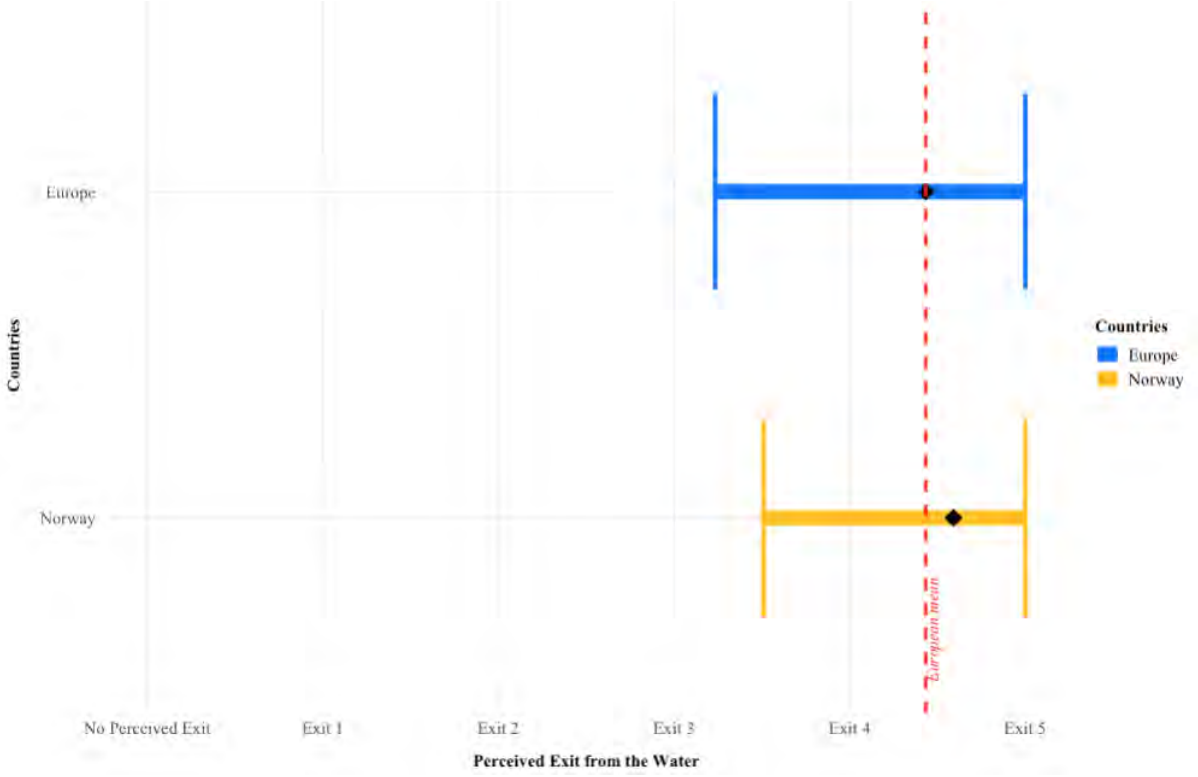


Figure 540. Distribution of the Perceived Exit from the Water in Europe and in Norway (Mean±SD).

Table 929. Comparative Analysis of the Perceived Exit from the Water in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	325	2,500	0.006 **	0.08 [a]	0.26 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

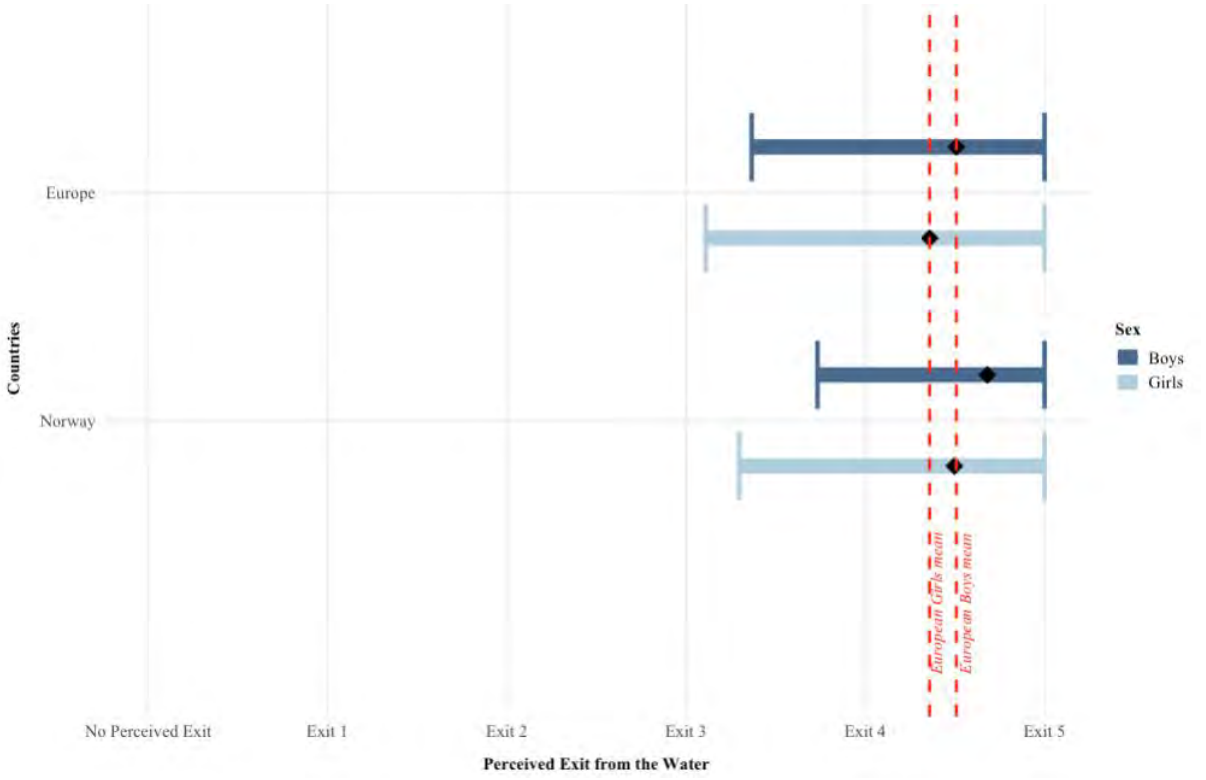


Figure 541. Distribution of the Perceived Exit from the Water according to the Sex in Europe and in Norway (Mean±SD).

Table 930. Comparative Analysis of the Perceived Exit from the Water in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	Boys	166	1,240	0.04 *	0.04 [a]	0.15 [1]
	Girls	159	1,260	0.06	0.04 [a]	0.14 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 931. Comparative Analysis of the Perceived Exit from the Water in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway	Boys *vs* Girls	166	159	0.16	0.05 [a]	0.15 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

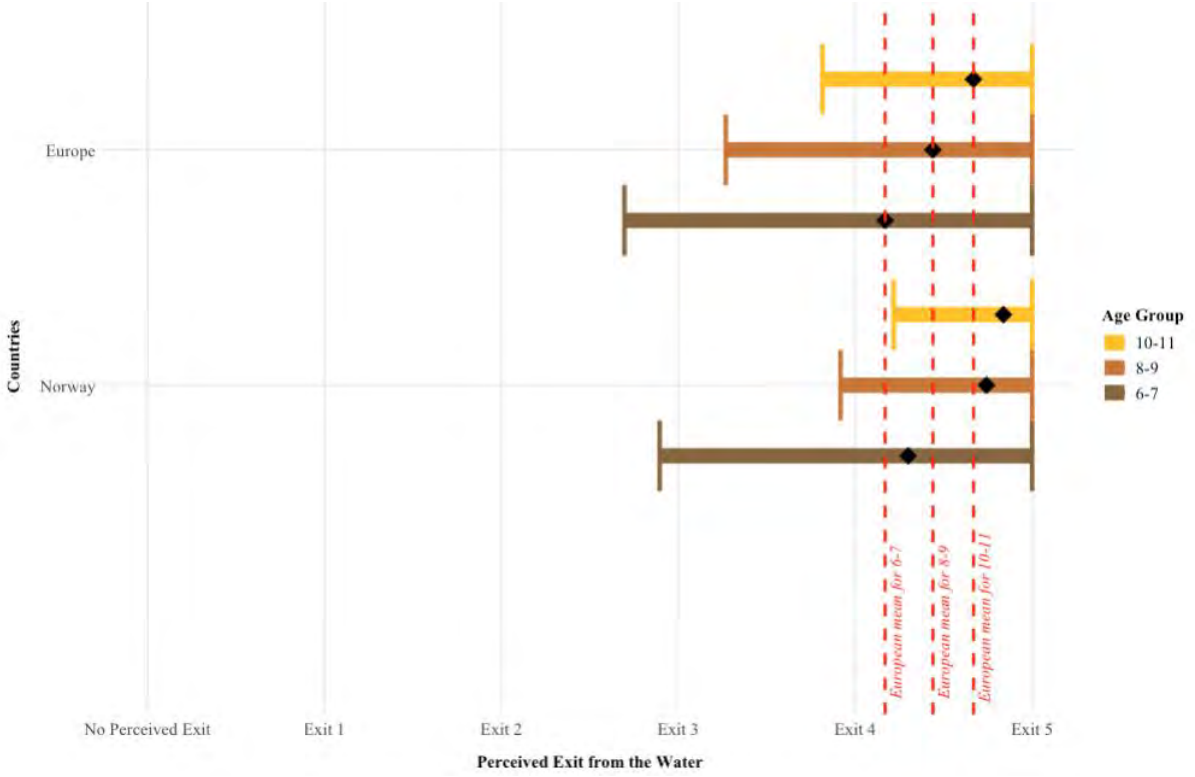


Figure 542. Distribution of the Perceived Exit from the Water ccording to the Age Group in Europe and in Norway (Mean±SD).

Table 932. Comparative Analysis of the Perceived Exit from the Water in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	127	723	0.3	0.03 [a]	0.09 [1]
	8-9 yo	124	995	0.002 **	0.07 [a]	0.3 [1]
	10-11 yo	74	782	0.08	0.04 [a]	0.1 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 933. Comparative Analysis of the Perceived Exit from the Water in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	127	124		0.005 **	0.12 [a]	0.49 [1]
	8-9 yo *vs* 10-11 yo		124	74	0.44	0.03 [a]	0.07 [1]
	6-7 yo *vs* 10-11 yo	127		74	0.003 **	0.15 [a]	0.52 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

3. Perceived rotations

Overview

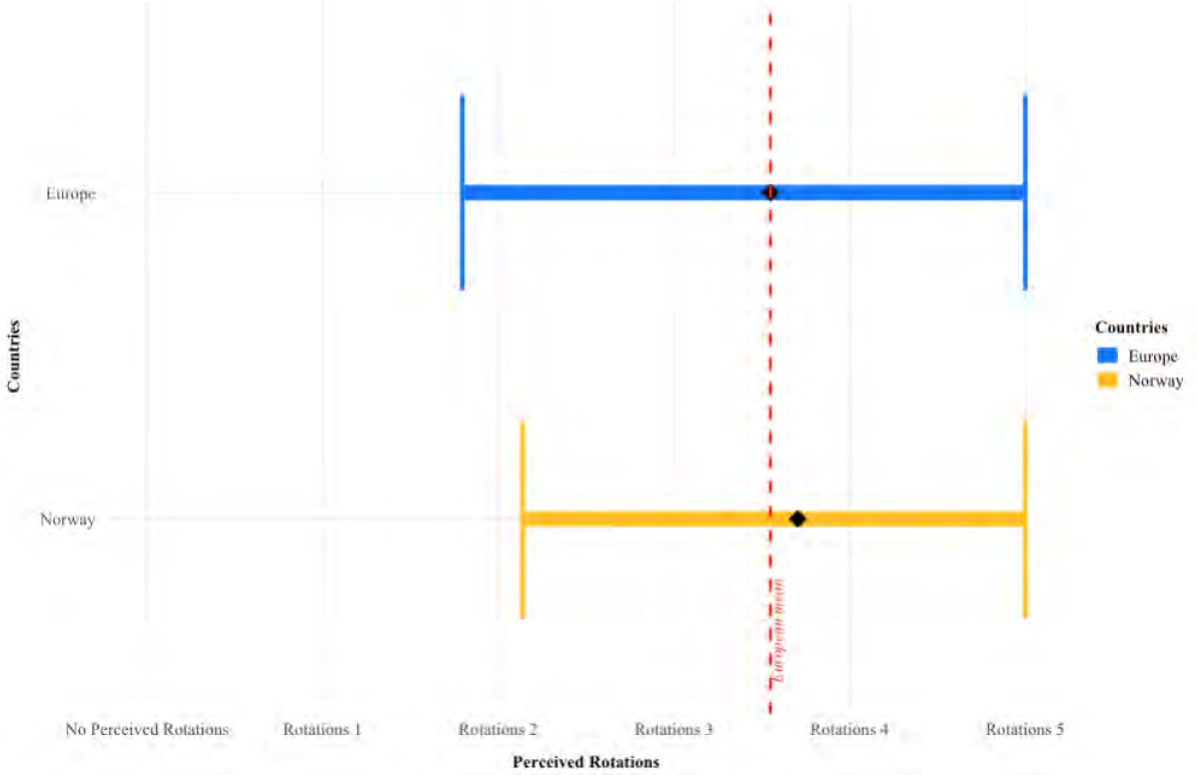


Figure 543. Distribution of the Perceived Rotations in Europe and in Norway (Mean±SD).

Table 934. Comparative Analysis of the Perceived Rotations in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	247	2,371	0.54	0.02 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

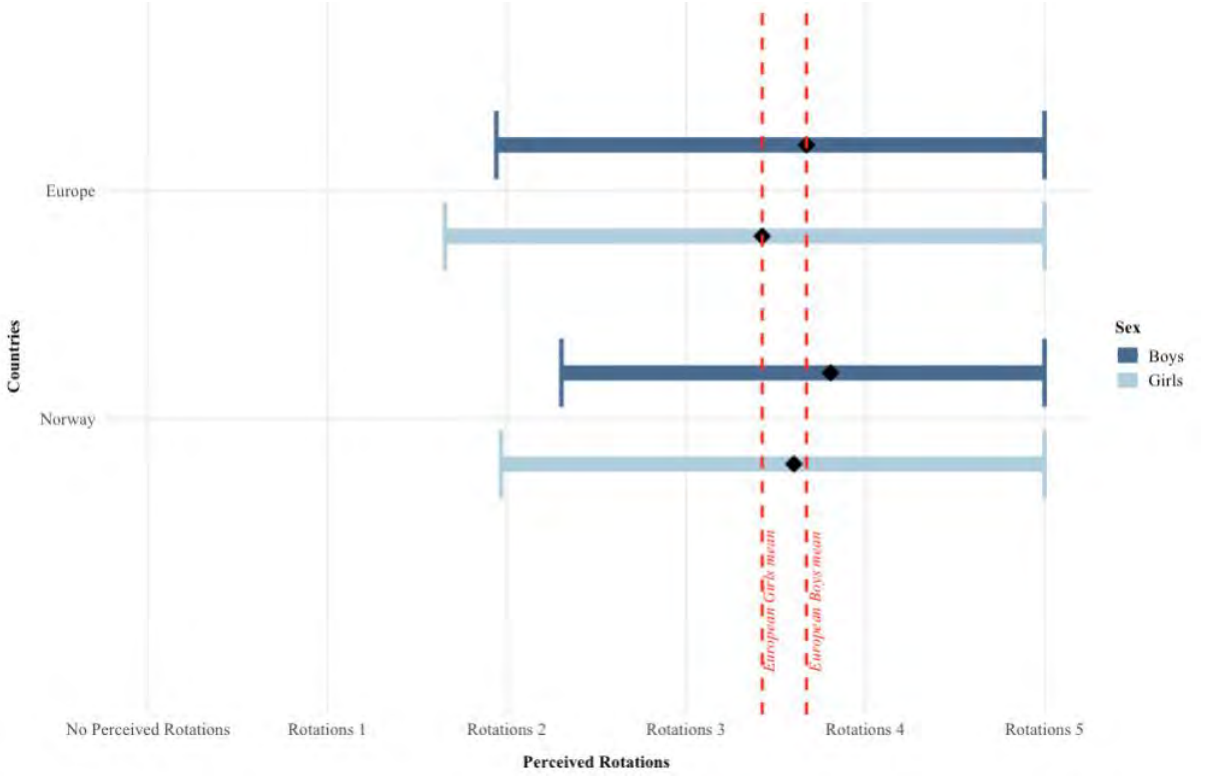


Figure 544. Distribution of the Perceived Rotations according to the Sex in Europe and in Norway (Mean±SD).

Table 935. Comparative Analysis of the Perceived Rotations in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	Boys	124	1,182	0.88	0.004 [a]	0.05 [1]
	Girls	123	1,189	0.49	0.02 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 936. Comparative Analysis of the Perceived Rotations in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	Boys *vs* Girls	124	123	0.33	0.06 [a]	0.15 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

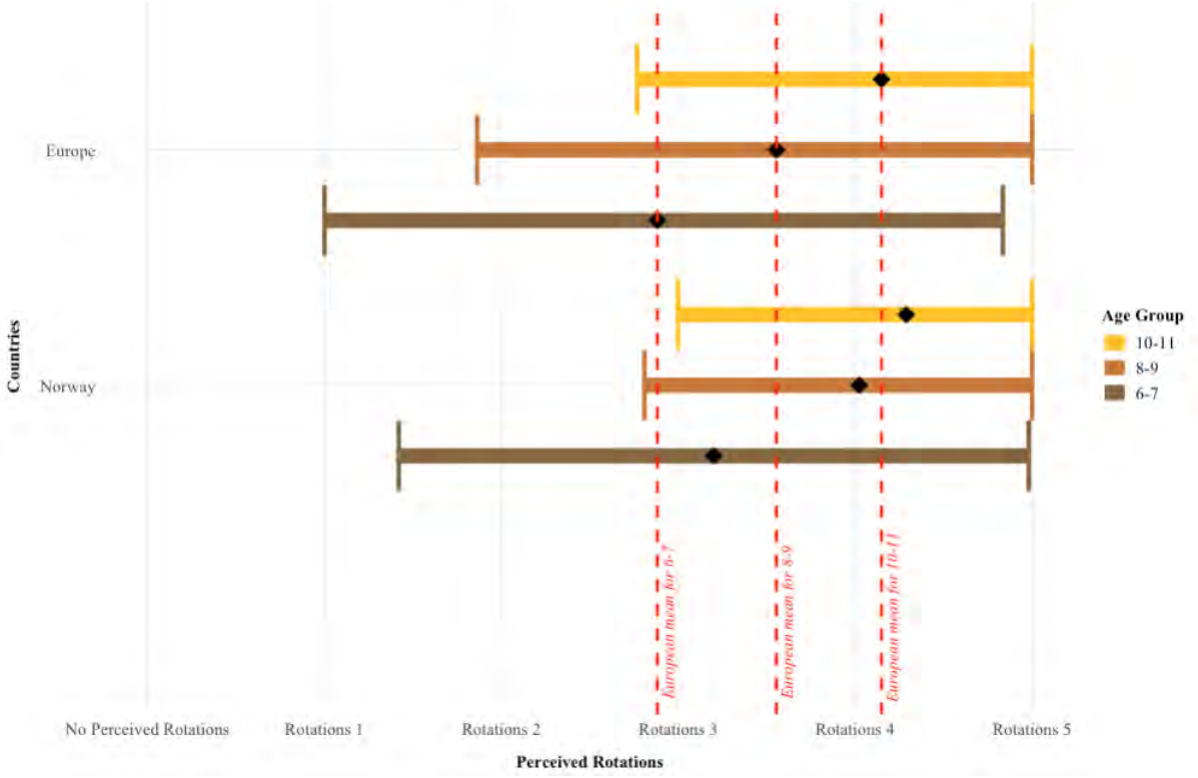


Figure 545. Distribution of the Perceived Rotations according to the Age Group in Europe and in Norway (Mean±SD).

Table 937. Comparative Analysis of the Perceived Rotations in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	110	682	0.16	0.05 [a]	0.16 [1]
	8-9 yo	92	943	0.06	0.06 [a]	0.17 [1]
	10-11 yo	45	746	0.58	0.02 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 938. Comparative Analysis of the Perceived Rotations in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	110	92		0.002 **	0.21 [b]	0.86 [3]
	8-9 yo *vs* 10-11 yo		92	45	0.07	0.14 [a]	0.33 [1]
	6-7 yo *vs* 10-11 yo	110		45	1.6^{e-04} ***	0.29 [b]	0.92 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

4. Perceived breathing

Overview

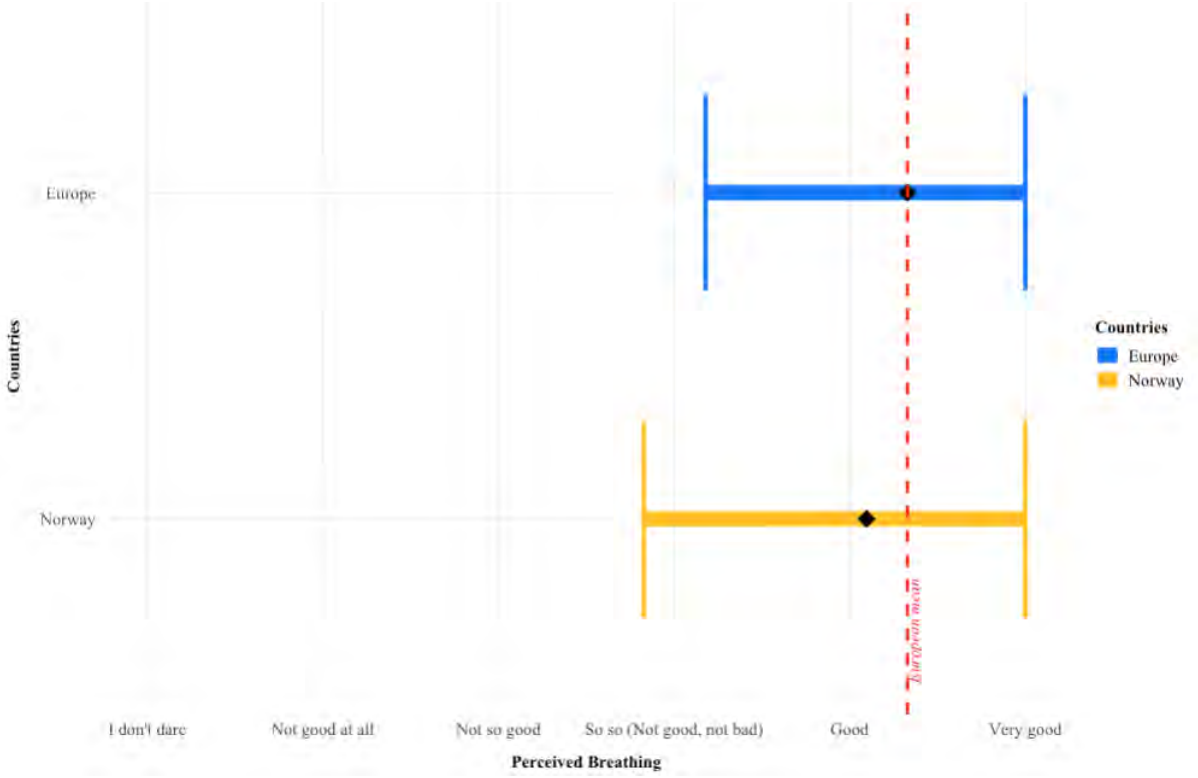


Figure 546. Distribution of the Perceived Breathing in Europe and in Norway (Mean±SD).

Table 939. Comparative Analysis of the Perceived Breathing in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	324	2,514	1.85^{e-05} ***	0.14 [a]	0.66 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

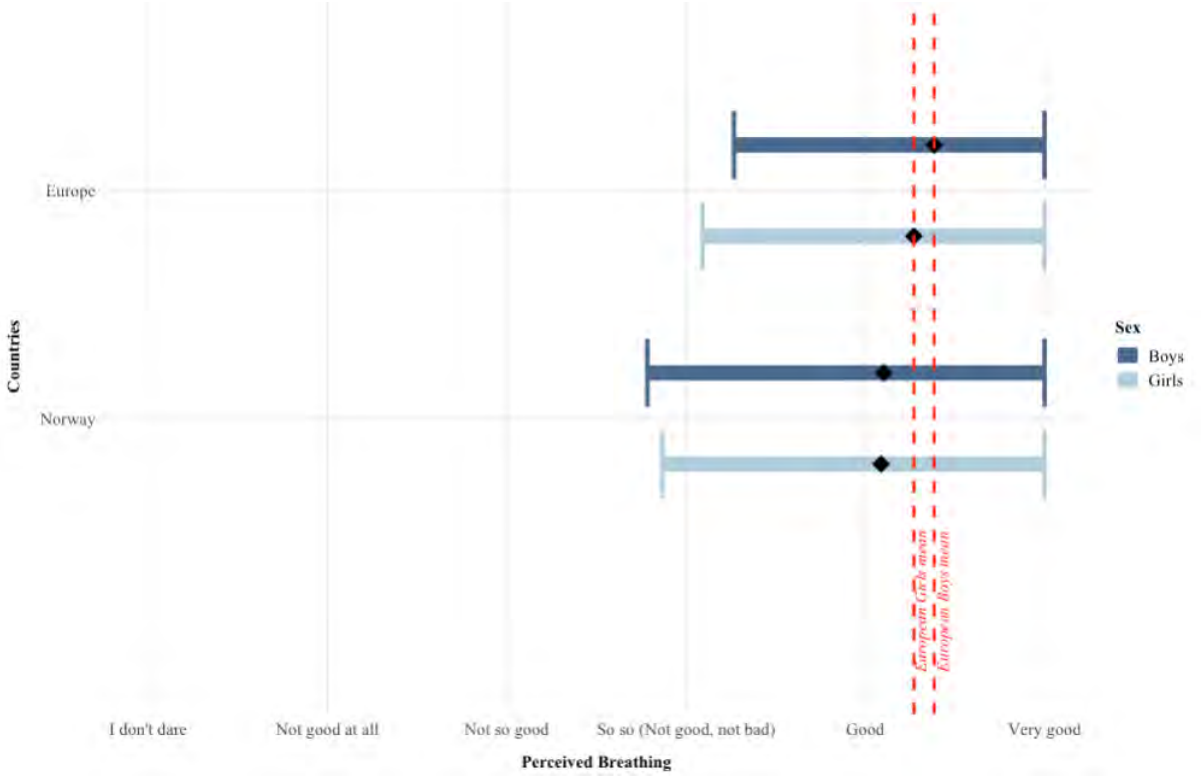


Figure 547. Distribution of the Perceived Breathing according to the Sex in Europe and in Norway (Mean±SD).

Table 940. Comparative Analysis of the Perceived Breathing in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* **Europe**	Boys	165	1,268	0.001 **	0.07 [a]	0.41 [1]
	Girls	159	1,246	0.004 **	0.07 [a]	0.36 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 941. Comparative Analysis of the Perceived Breathing in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	Boys *vs* Girls	165	159	0.42	0.04 [a]	0.11 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

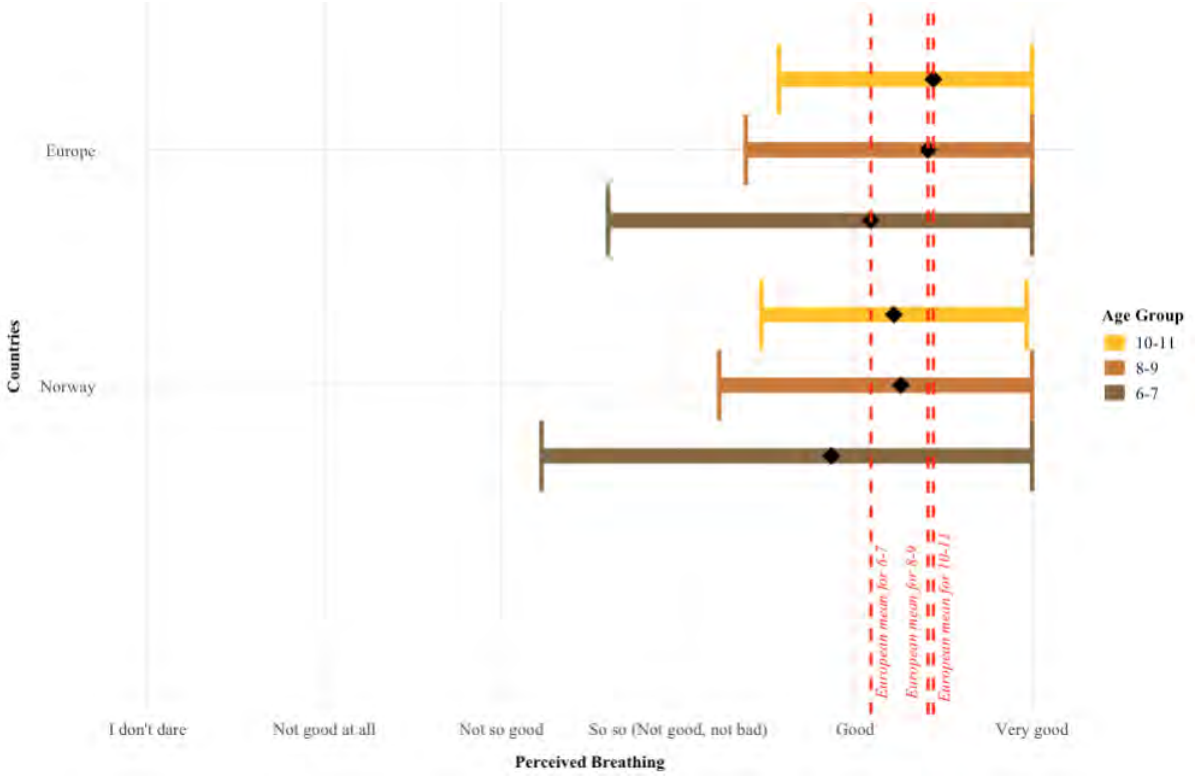


Figure 548. Distribution of the Perceived Breathing according to the Age Group in Europe and in Norway (Mean±SD).

Table 942. Comparative Analysis of the Perceived Breathing in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	127	722	0.07	0.05 [a]	0.21 [1]
	8-9 yo	124	1,016	0.02 *	0.06 [a]	0.24 [1]
	10-11 yo	73	776	8.2^{-04} ***	0.1 [a]	0.38 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 943. Comparative Analysis of the Perceived Breathing in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	127	124		0.38	0.05 [a]	0.12 [1]
	8-9 yo *vs* 10-11 yo		124	73	0.2	0.08 [a]	0.2 [1]
	6-7 yo *vs* 10-11 yo	127		73	0.66	0.03 [a]	0.07 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

5. Perceived treading water

Overview

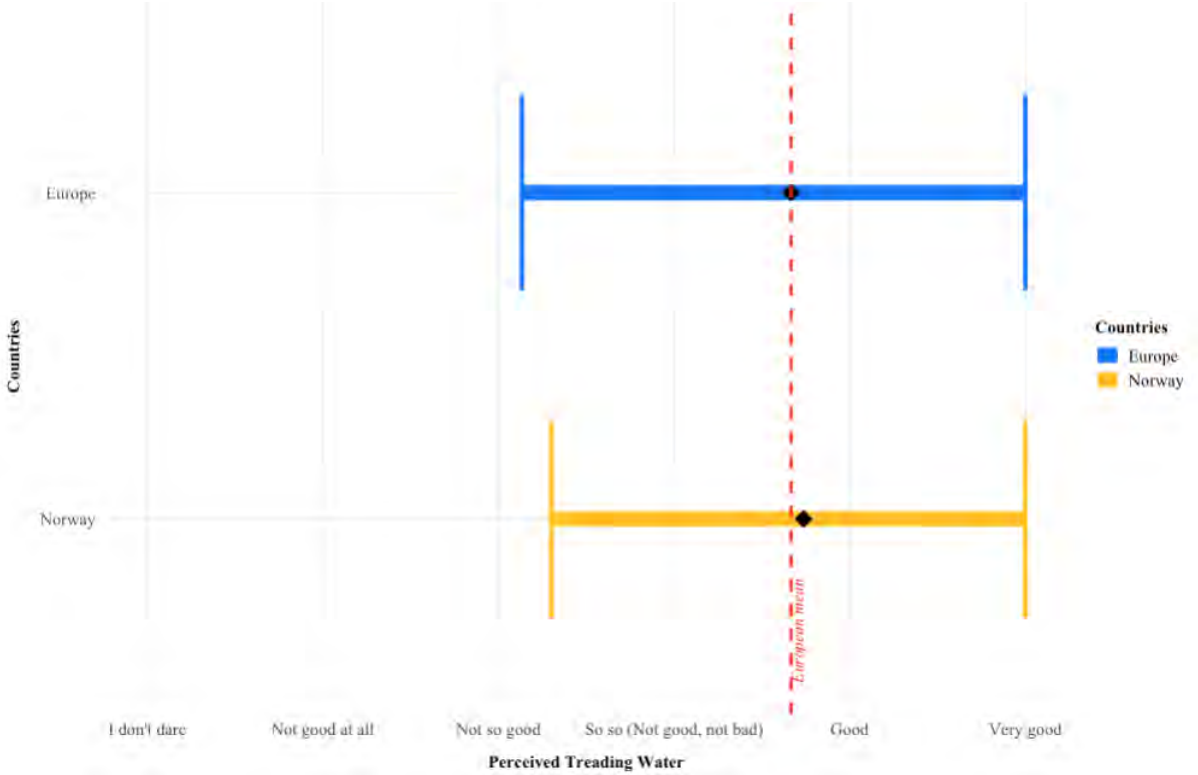


Figure 549. Distribution of the Perceived Treading Water in Europe and in Norway (Mean±SD).

Table 944. Comparative Analysis of the Perceived Treading Water at School in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* **Europe**	323	2,521	0.78	0.01 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

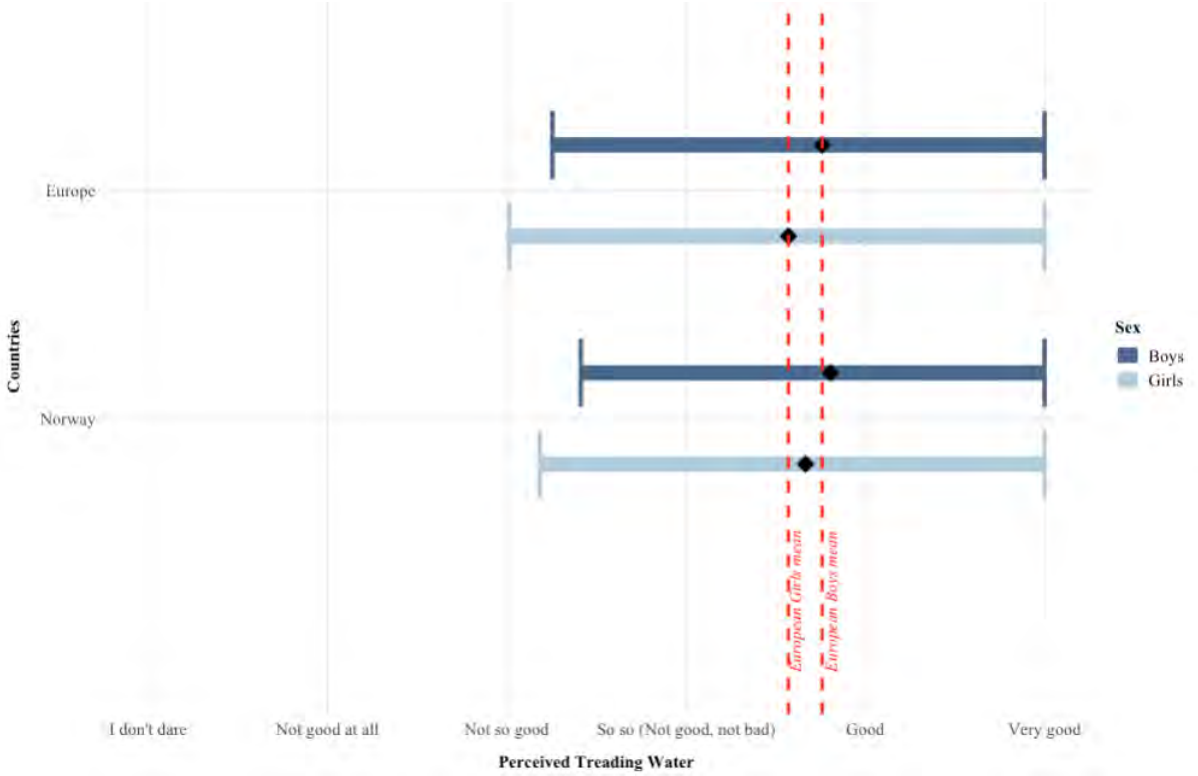


Figure 550. Distribution of the Perceived Treading Water according to the Sex in Europe and in Norway (Mean±SD).

Table 945. Comparative Analysis of the Perceived Treading Water in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	Boys	164	1,268	0.83	0.005 [a]	0.05 [1]
	Girls	159	1,253	0.58	0.01 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 946. Comparative Analysis of the Perceived Treading Water in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway	Boys *vs* Girls	164	159	0.45	0.04 [a]	0.11 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

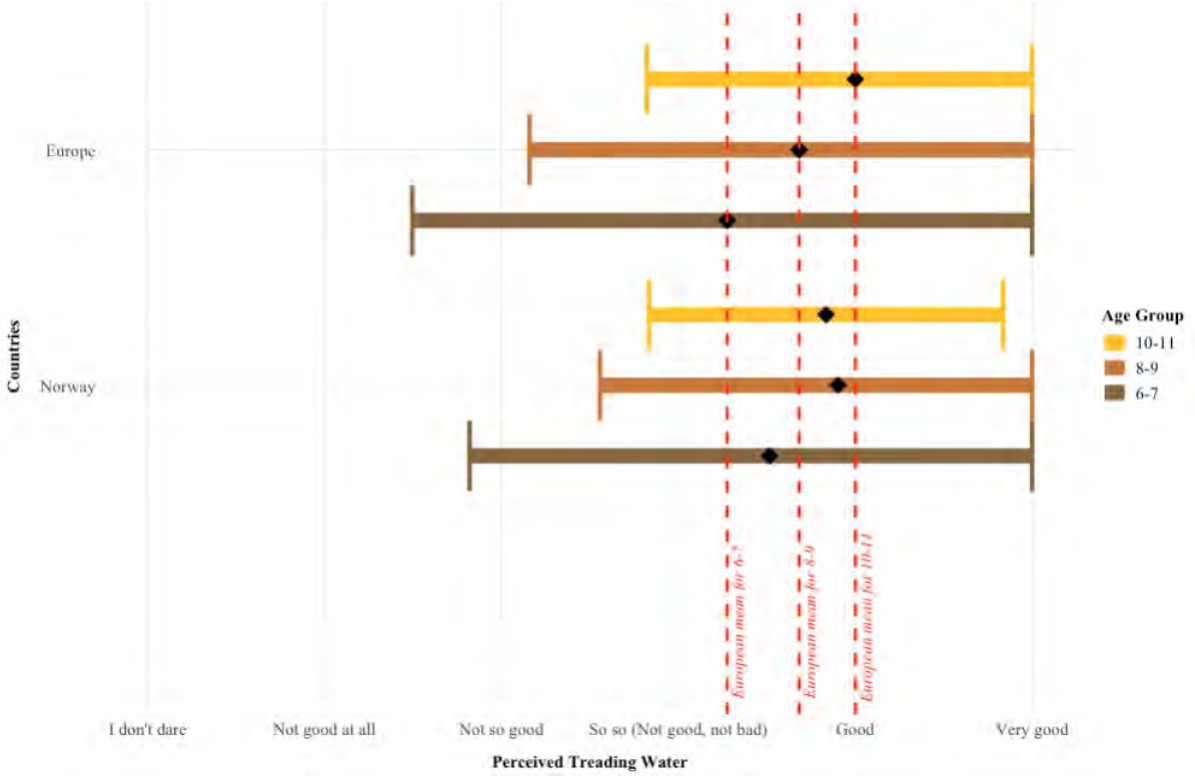


Figure 551. Distribution of the Perceived Treading Water according to the Age Group in Europe and in Norway (Mean±SD).

Table 947. Comparative Analysis of the Perceived Treading Water in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	126	721	0.2	0.04 [a]	0.14 [1]
	8-9 yo	124	1,013	0.2	0.03 [a]	0.12 [1]
	10-11 yo	73	787	0.03 *	0.07 [a]	0.2 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 948. Comparative Analysis of the Perceived Treading Water in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	126	124		0.15	0.09 [a]	0.28 [1]
	8-9 yo *vs* 10-11 yo		124	73	0.13	0.1 [a]	0.28 [1]
	6-7 yo *vs* 10-11 yo	126		73	0.94	0.005 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

6. Perceived propulsion on the back

Overview

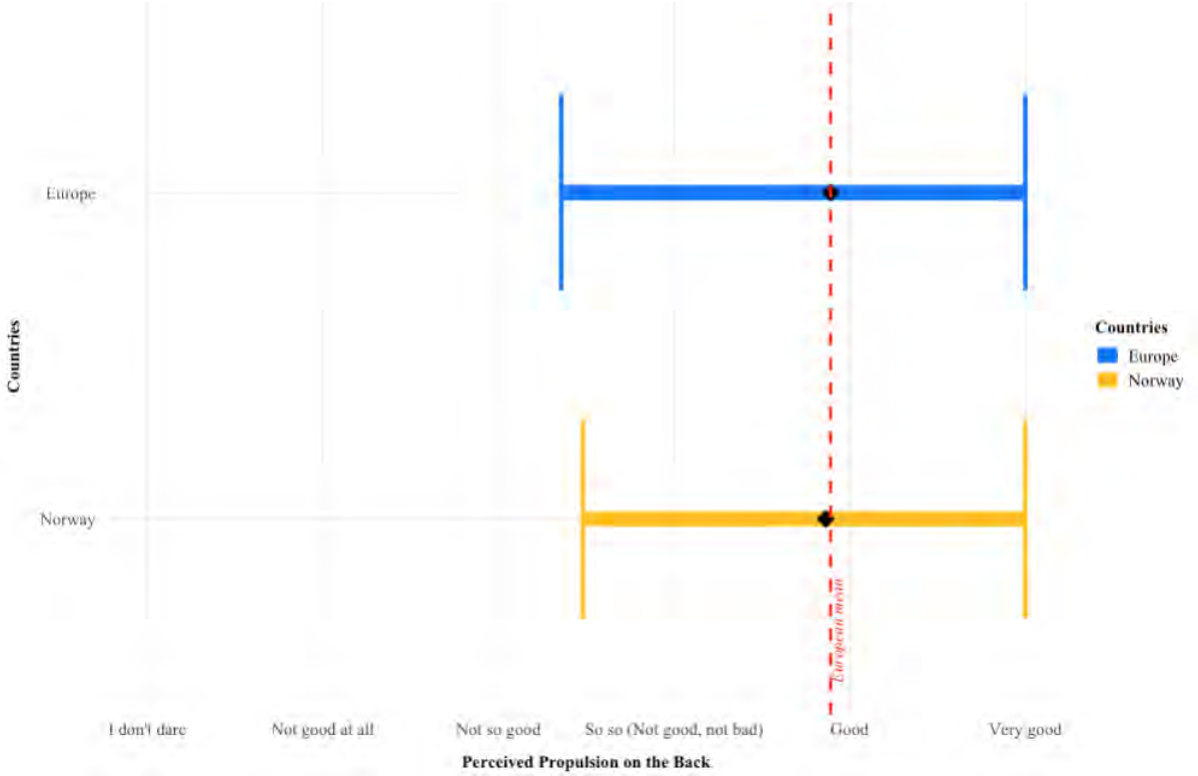


Figure 552. Distribution of the Perceived Propulsion on the Back in Europe and in Norway (Mean±SD).

Table 949. Comparative Analysis of the Perceived Propulsion on the Back in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	322	2,480	0.1	0.06 [a]	0.16 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

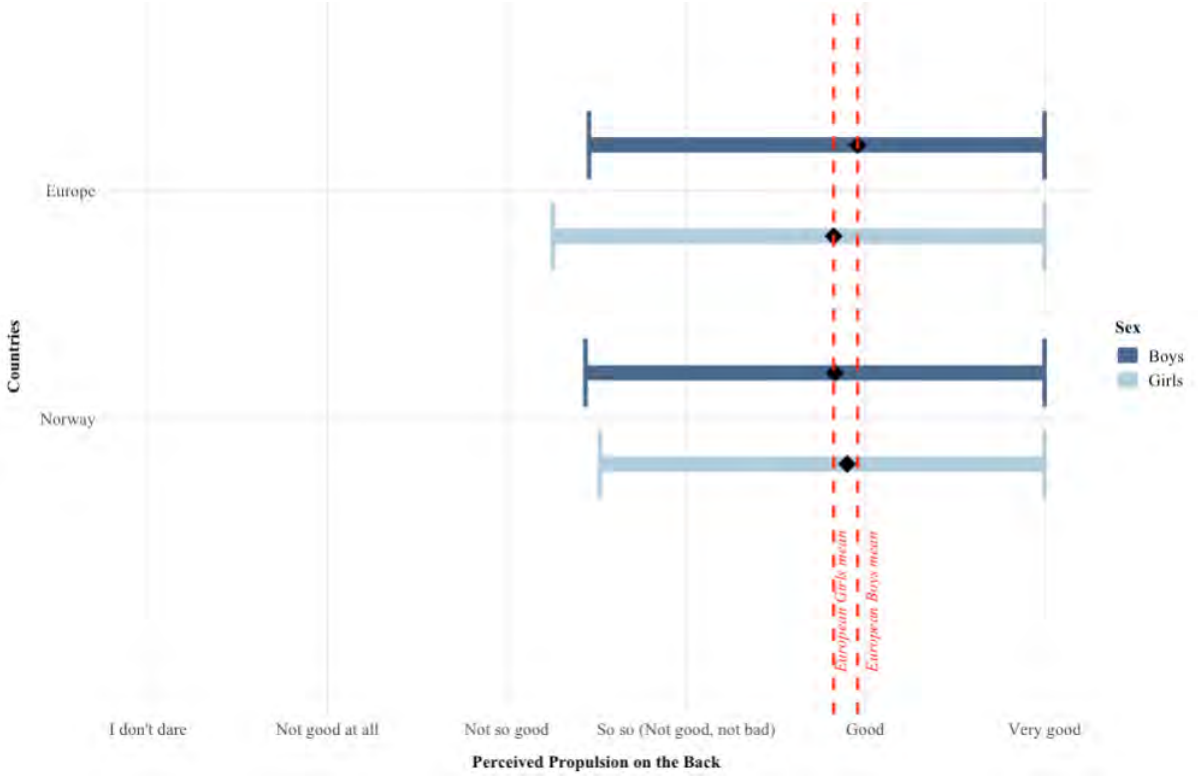


Figure 553. Distribution of the Perceived Propulsion on the Back according to the Sex in Europe and in Norway (Mean±SD).

Table 950. Comparative Analysis of the Perceived Propulsion on the Back in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	Boys	164	1,245	0.04 *	0.05 [a]	0.22 [1]
	Girls	158	1,235	0.76	0.007 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 951. Comparative Analysis of the Perceived Propulsion on the Back in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway	Boys *vs* Girls	164	158	0.67	0.02 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

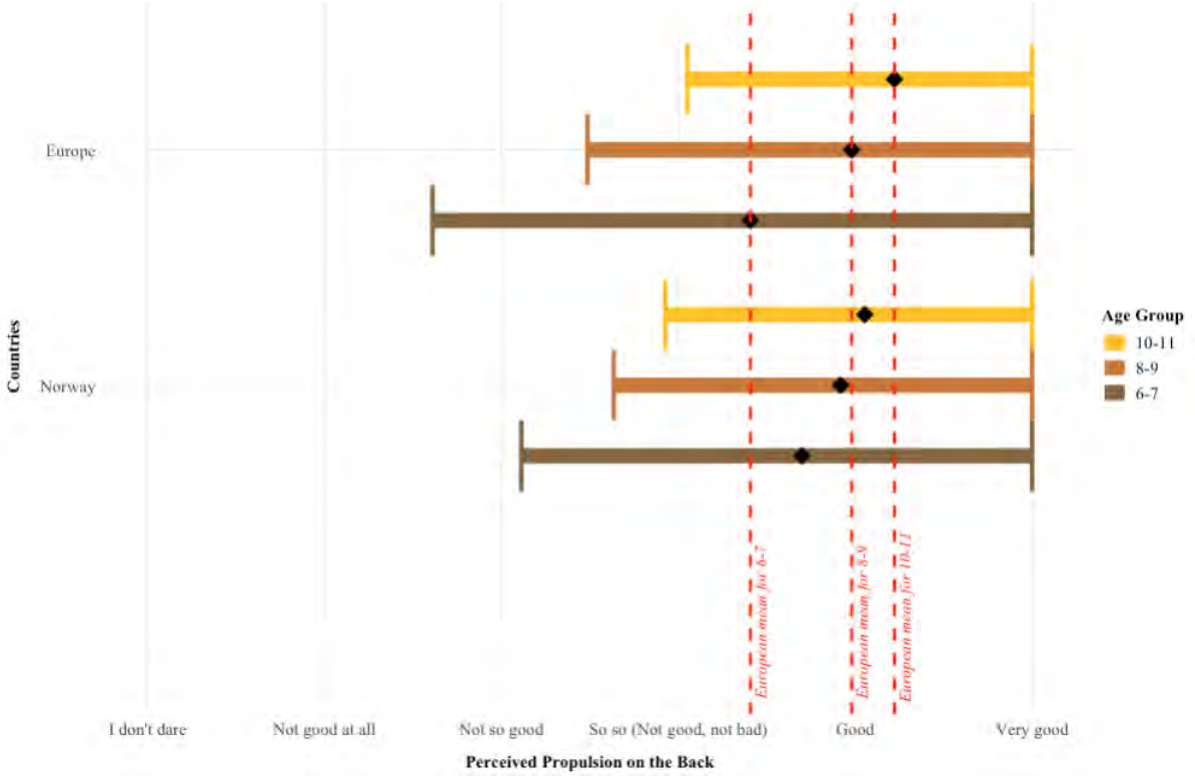


Figure 554. Distribution of the Perceived Propulsion on the Back according to the Age Group in Europe and in Norway (Mean±SD).

Table 952. Comparative Analysis of the Perceived Propulsion on the Back in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	126	714	0.13	0.05 [a]	0.18 [1]
	8-9 yo	123	991	0.07	0.05 [a]	0.18 [1]
	10-11 yo	73	775	0.04 *	0.06 [a]	0.17 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 953. Comparative Analysis of the Perceived Propulsion on the Back in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	126	123		0.69	0.02 [a]	0.07 [1]
	8-9 yo *vs* 10-11 yo		123	73	0.68	0.03 [a]	0.07 [1]
	6-7 yo *vs* 10-11 yo	126		73	0.52	0.04 [a]	0.09 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

7. Perceived propulsion on the belly

Overview

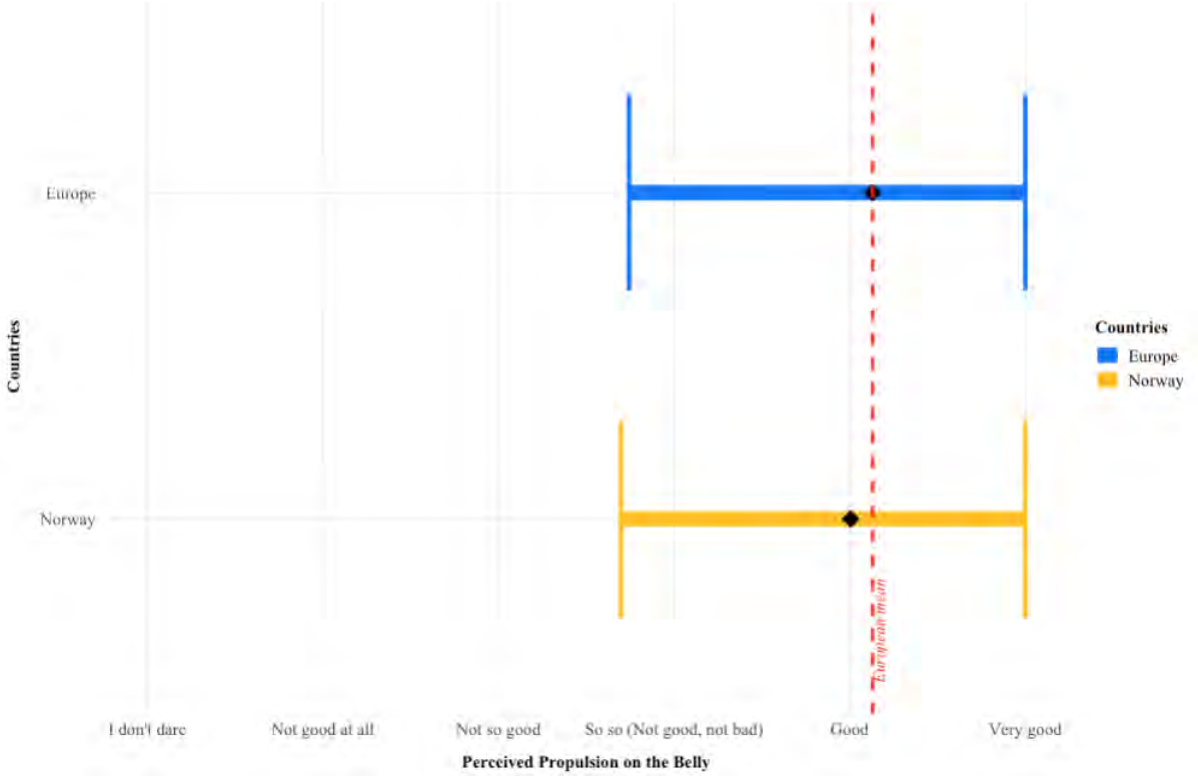


Figure 555. Distribution of the Perceived Propulsion on the Belly in Europe and in Norway (Mean±SD).

Table 954. Comparative Analysis of the Perceived Propulsion on the Belly in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	323	2,474	0.002 **		0.42 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

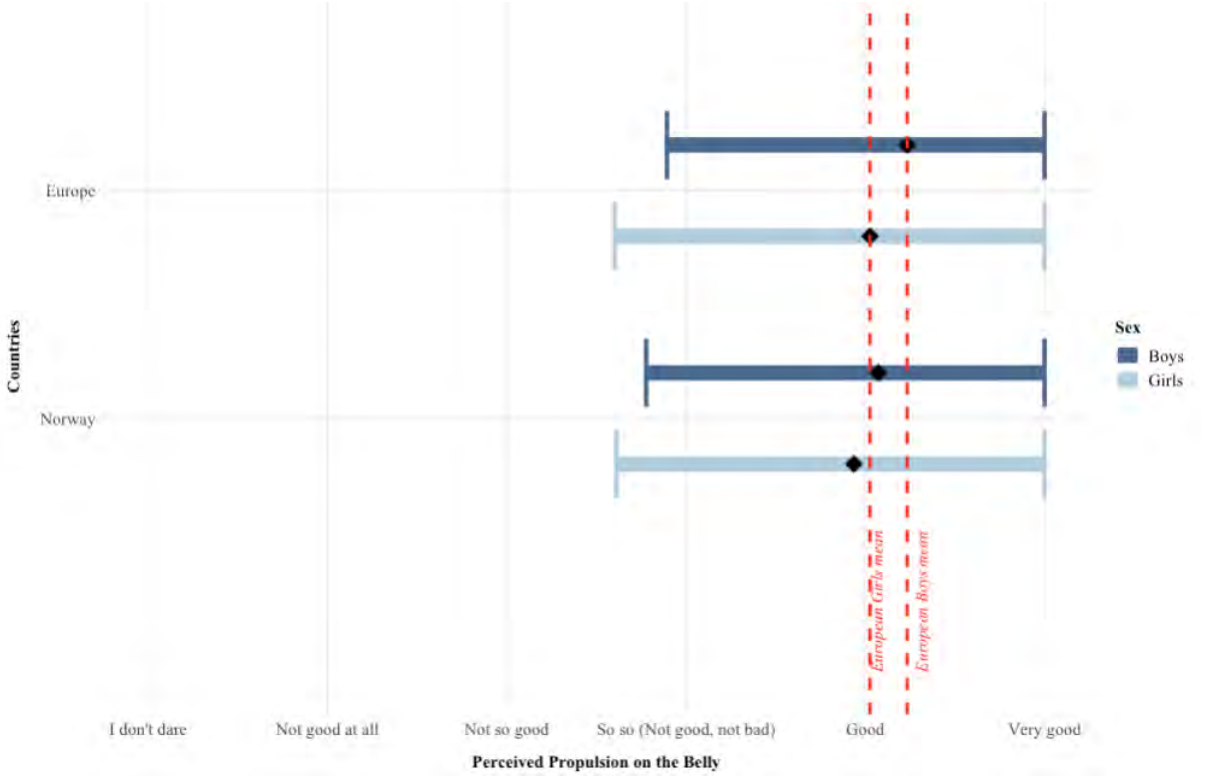


Figure 556. Distribution of the Perceived Propulsion on the Belly according to the Sex in Europe and in Norway (Mean±SD).

Table 955. Comparative Analysis of the Perceived Propulsion on the Belly in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	Boys	165	1,237	0.006 **	0.06 [a]	0.33 [1]
	Girls	158	1,237	0.08	0.04 [a]	0.17 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 956. Comparative Analysis of the Perceived Propulsion on the Belly in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway	Boys *vs* Girls	165	158	0.25	0.06 [a]	0.18 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

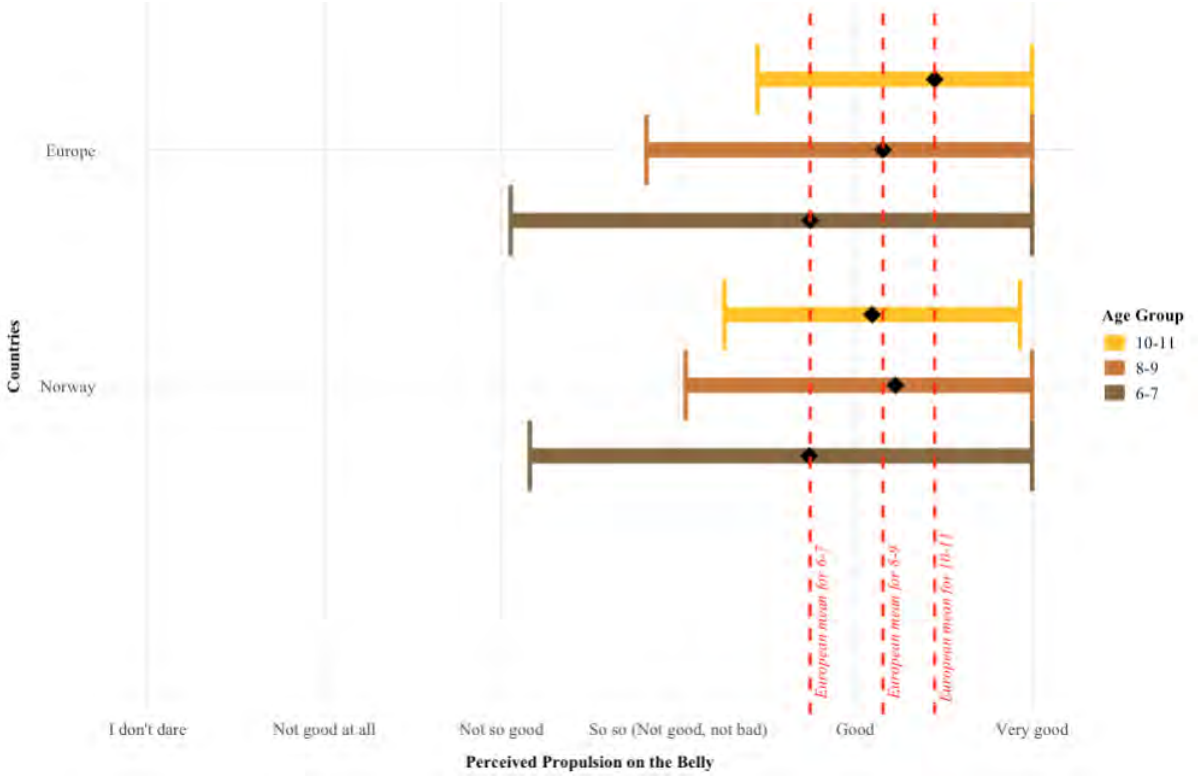


Figure 557. Distribution of the Perceived Propulsion on the Belly according to the Age Group in Europe and in Norway (Mean±SD).

Table 957. Comparative Analysis of the Perceived Propulsion on the Belly in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	127	706	0.54	0.02 [a]	0.07 [1]
	8-9 yo	123	998	0.95	0.001 [a]	0.05 [1]
	10-11 yo	73	770	6.61^{e-07} ***	0.15 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 958. Comparative Analysis of the Perceived Propulsion on the Belly in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	127	123		0.02 *	0.13 [a]	0.57 [2]
	8-9 yo *vs* 10-11 yo		123	73	0.02 *	0.15 [a]	0.54 [2]
	6-7 yo *vs* 10-11 yo	127		73	0.81	0.02 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

8. Perceived submersion

Overview

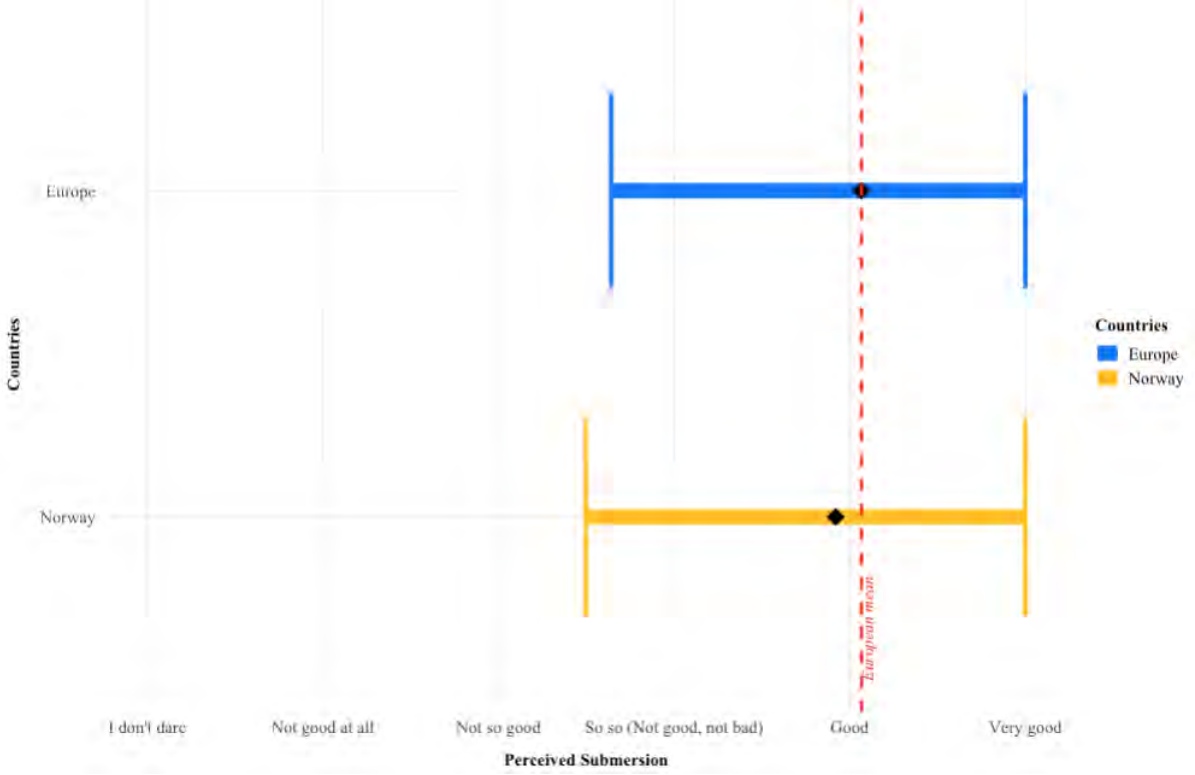


Figure 558. Distribution of the Perceived Submersion in Europe and in Norway (Mean±SD).

Table 959. Comparative Analysis of the Perceived Submersion in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	324	2,477	0.007 **	0.09 [a]	0.34 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

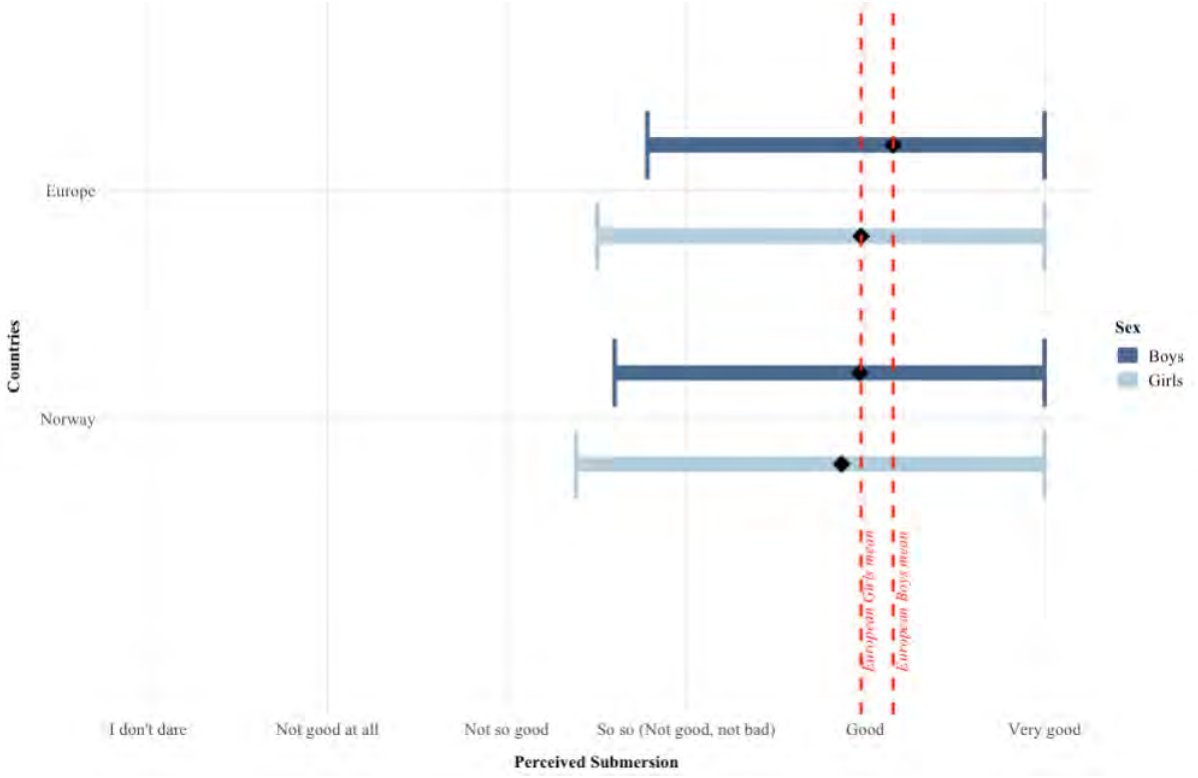


Figure 559. Distribution of the Perceived Submersion according to the Sex in Europe and in Norway (Mean±SD).

Table 960. Comparative Analysis of the Perceived Submersion in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	Boys	165	1,242	0.02 *	0.05 [a]	0.25 [1]
	Girls	159	1,235	0.13	0.04 [a]	0.14 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 961. Comparative Analysis of the Perceived Submersion in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway	Boys *vs* Girls	165	159	0.47	0.04 [a]	0.1 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

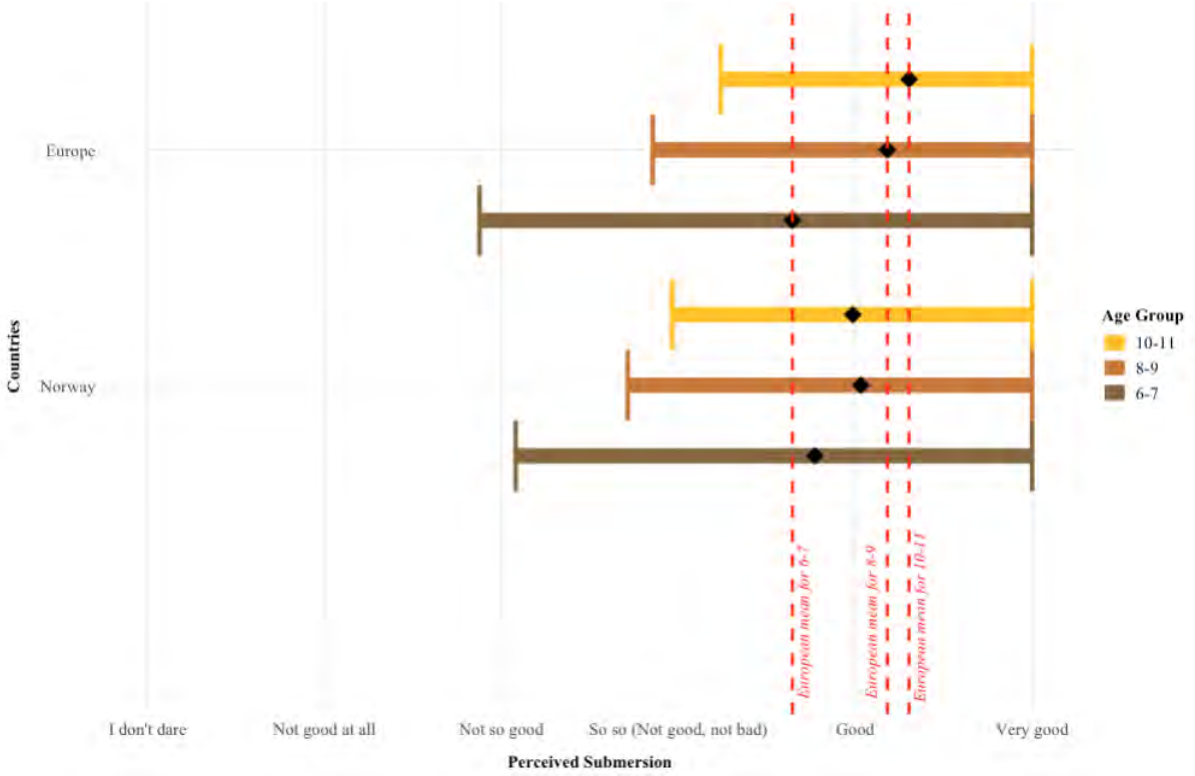


Figure 560. Distribution of the Perceived Submersion according to the Age Group in Europe and in Norway (Mean±SD).

Table 962. Comparative Analysis of the Perceived Submersion in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	127	710	0.55	0.02 [a]	0.07 [1]
	8-9 yo	124	995	0.09	0.04 [a]	0.15 [1]
	10-11 yo	73	772	2.4^{e-04} ***	0.11 [a]	0.46 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 963. Comparative Analysis of the Perceived Submersion in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	127	124		0.57	0.03 [a]	0.08 [1]
	8-9 yo *vs* 10-11 yo		124	73	0.15	0.09 [a]	0.25 [1]
	6-7 yo *vs* 10-11 yo	127		73	0.34	0.06 [a]	0.14 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

9. Perceived floating

Overview

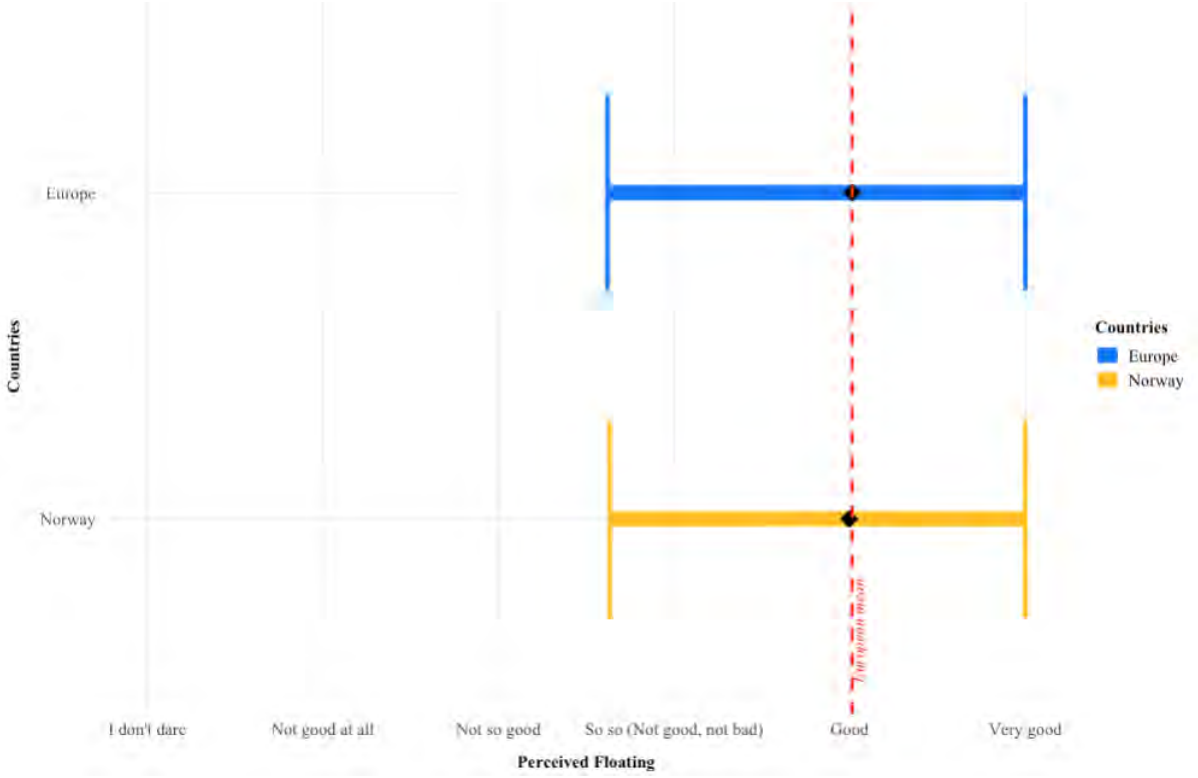


Figure 561. Distribution of the Perceived Floating in Europe and in Norway (Mean±SD).

Table 964. Comparative Analysis of the Perceived Floating in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* **Europe**	322	2,488	0.58	0.02 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

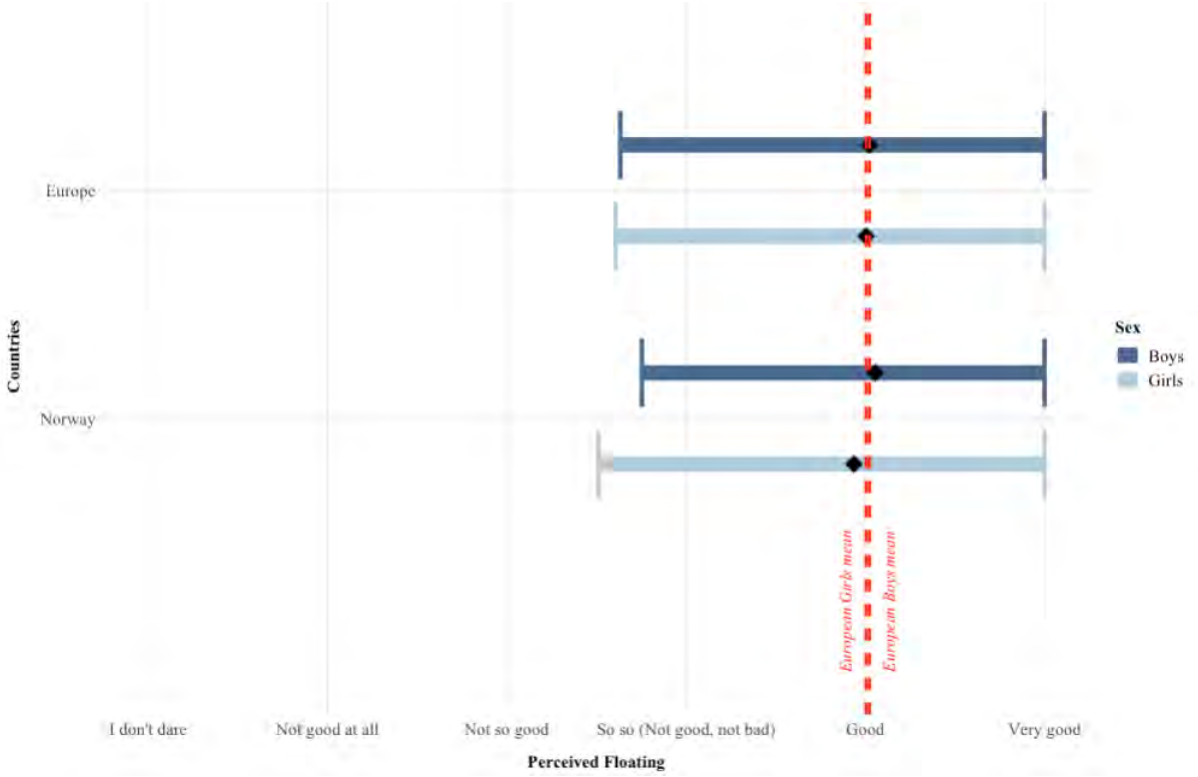


Figure 562. Distribution of the Perceived Floating according to the Sex in Europe and in Norway (Mean±SD).

Table 965. Comparative Analysis of the Perceived Floating in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	Boys	163	1,248	0.9	0.003 [a]	0.05 [1]
	Girls	159	1,240	0.5	0.02 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 966. Comparative Analysis of the Perceived Floating in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	Boys *vs* Girls	163	159	0.56	0.03 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

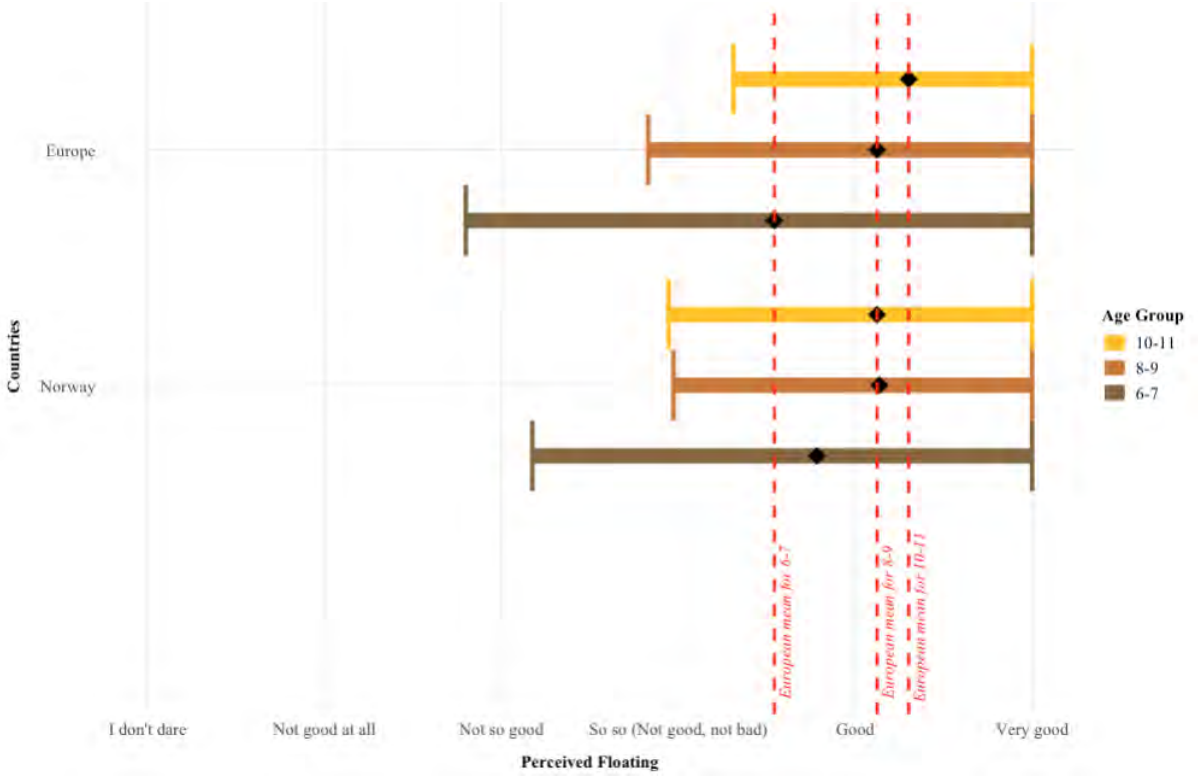


Figure 563. Distribution of the Perceived Floating according to the Age Group in Europe and in Norway (Mean±SD).

Table 967. Comparative Analysis of the Perceived Floating in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	125	711	0.17	0.04 [a]	0.15 [1]
	8-9 yo	124	1,000	0.54	0.02 [a]	0.06 [1]
	10-11 yo	73	777	0.23	0.04 [a]	0.09 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 968. Comparative Analysis of the Perceived Floating in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	125	124		0.35	0.05 [a]	0.14 [1]
	8-9 yo *vs* 10-11 yo		124	73	0.86	0.01 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	125		73	0.52	0.04 [a]	0.09 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

d. Enjoyment

1. Swimming lessons at school

Overview

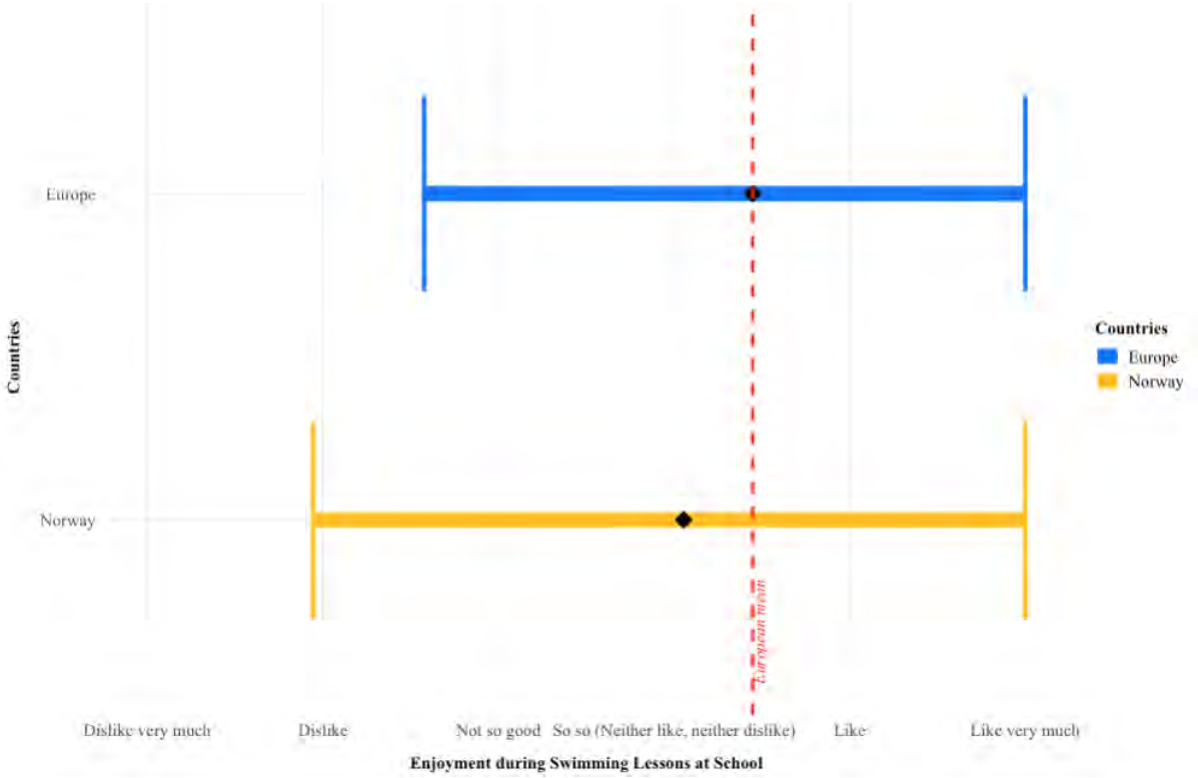


Figure 564. Distribution of the Enjoyment during Swimming Lessons at School in Europe and in Norway (Mean±SD).

Table 969. Comparative Analysis of the Enjoyment during Swimming Lessons at School in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	316	2,458	0.003 **	0.1 [a]	0.42 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

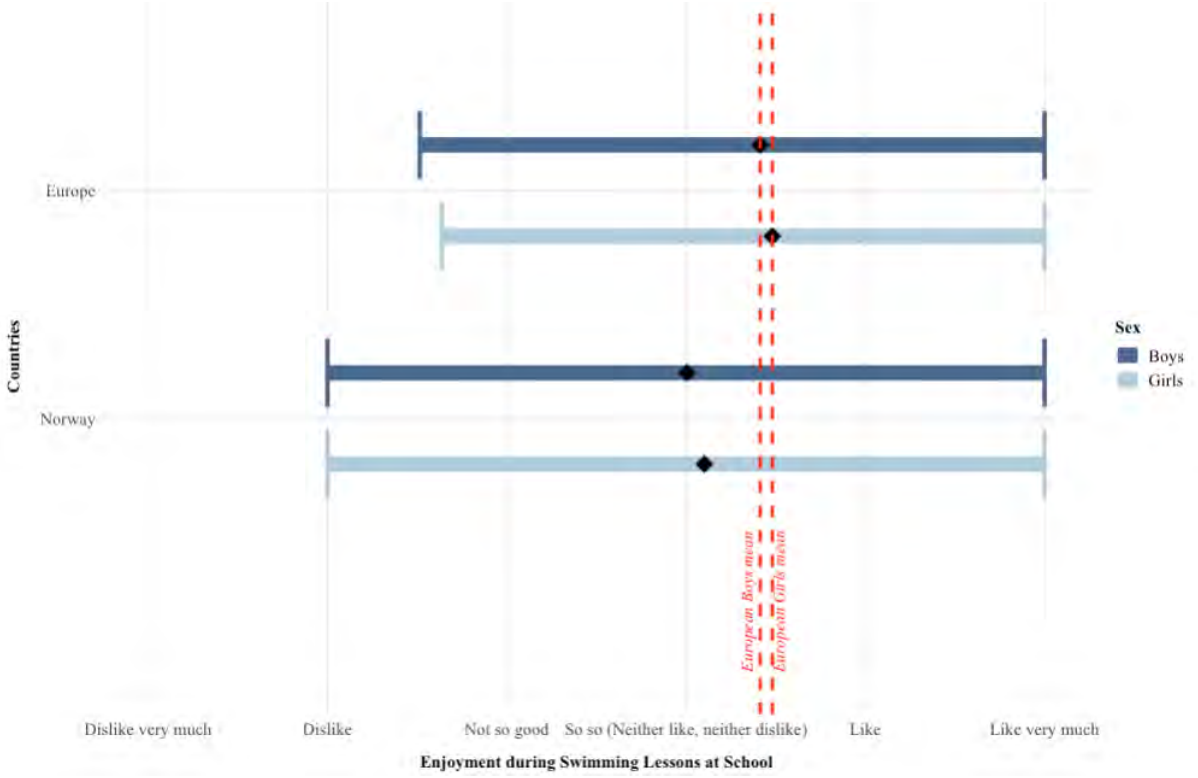


Figure 565. Distribution of the Enjoyment during Swimming Lessons at School according to the Sex in Europe and in Norway (Mean±SD).

Table 970. Comparative Analysis of the Enjoyment during Swimming Lessons at School in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	Boys	160	1,227	0.02 *	0.06 [a]	0.29 [1]
	Girls	156	1,231	0.07	0.05 [a]	0.19 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 971. Comparative Analysis of the Enjoyment during Swimming Lessons at School in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway	Boys *vs* Girls	160	156	0.67	0.02 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

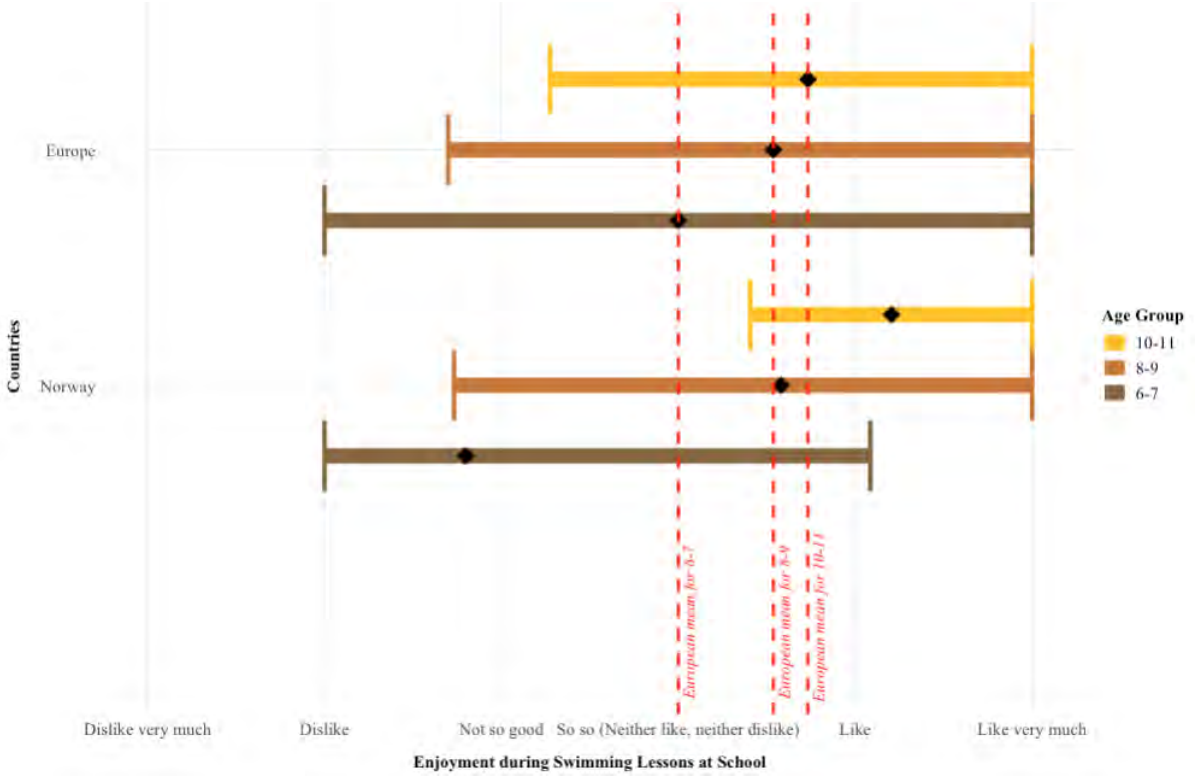


Figure 566. Distribution of the Enjoyment during Swimming Lessons at School according to the Age Group in Europe and in Norway (Mean±SD).

Table 972. Comparative Analysis of the Enjoyment during Swimming Lessons at School in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	119	698	2.34^{e-07} ***	0.17 [a]	0.93 [4]
	8-9 yo	124	975	0.71	0.01 [a]	0.05 [1]
	10-11 yo	73	785	0.07	0.06 [a]	0.16 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 973. Comparative Analysis of the Enjoyment during Swimming Lessons at School in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	119	124		1.72^{e-08} ***	0.34 [b]	1 [4]
	8-9 yo *vs* 10-11 yo		124	73	0.56	0.04 [a]	0.08 [1]
	6-7 yo *vs* 10-11 yo	119		73	5.31^{e-09} ***	0.4 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

2. Swimming lessons at school with friends

Overview

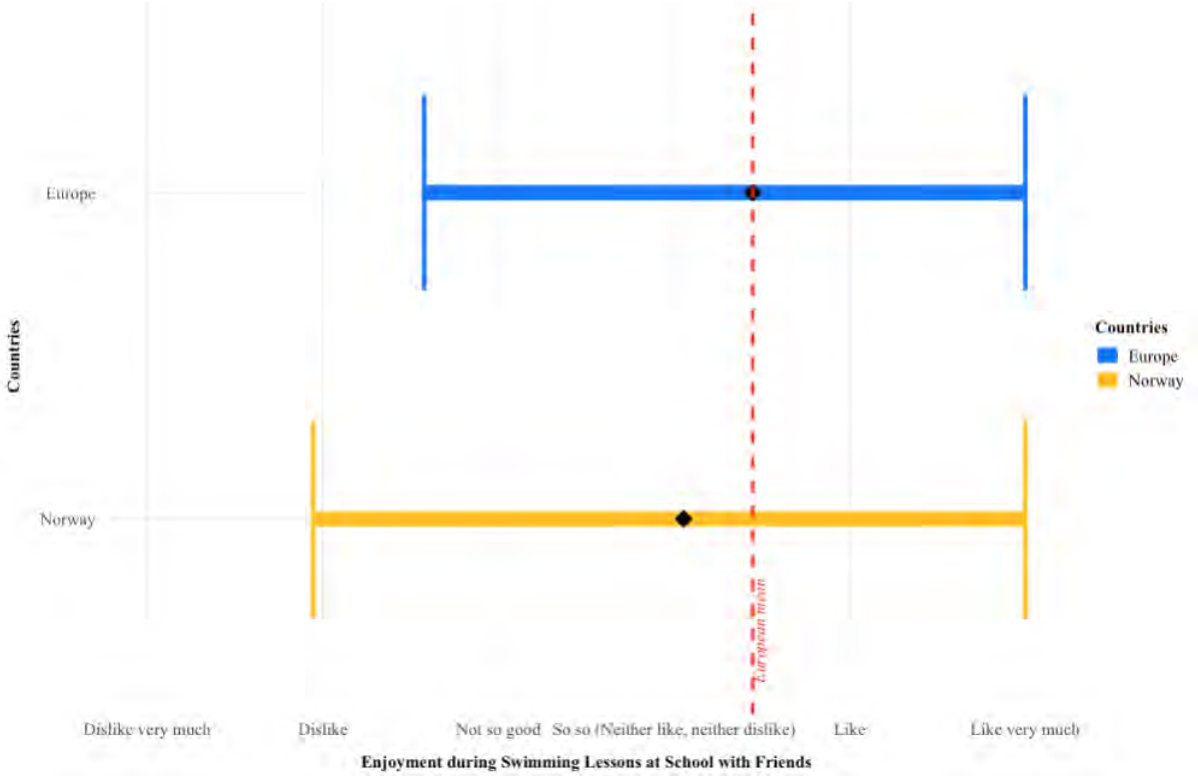


Figure 567. Distribution of the Enjoyment during Swimming Lessons at School with Friends in Europe and in Norway (Mean±SD).

Table 974. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	316	2,458	0.003 **	0.1 [a]	0.42 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

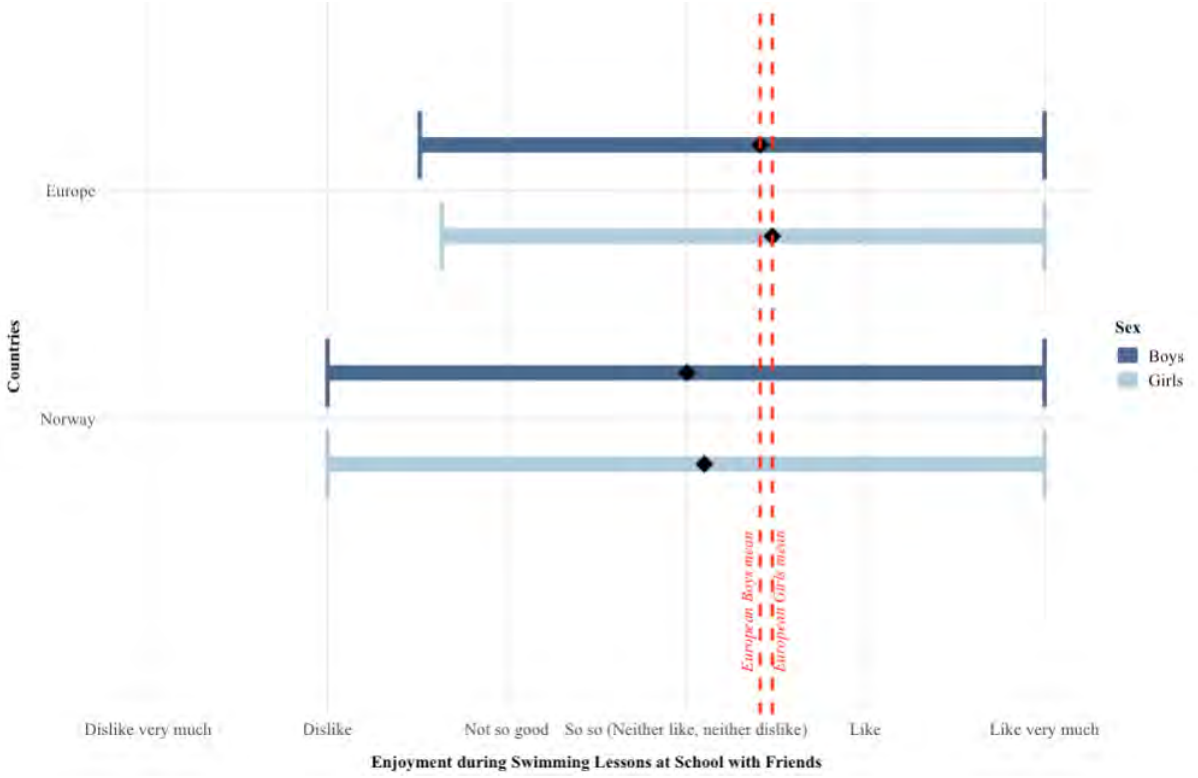


Figure 568. Distribution of the Enjoyment during Swimming Lessons at School with Friends according to the Sex in Europe and in Norway (Mean±SD).

Table 975. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	Boys	160	1,227	0.02 *	0.06 [a]	0.29 [1]
	Girls	156	1,231	0.07	0.05 [a]	0.19 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 976. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	Boys *vs* Girls	160	156	0.67	0.02 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

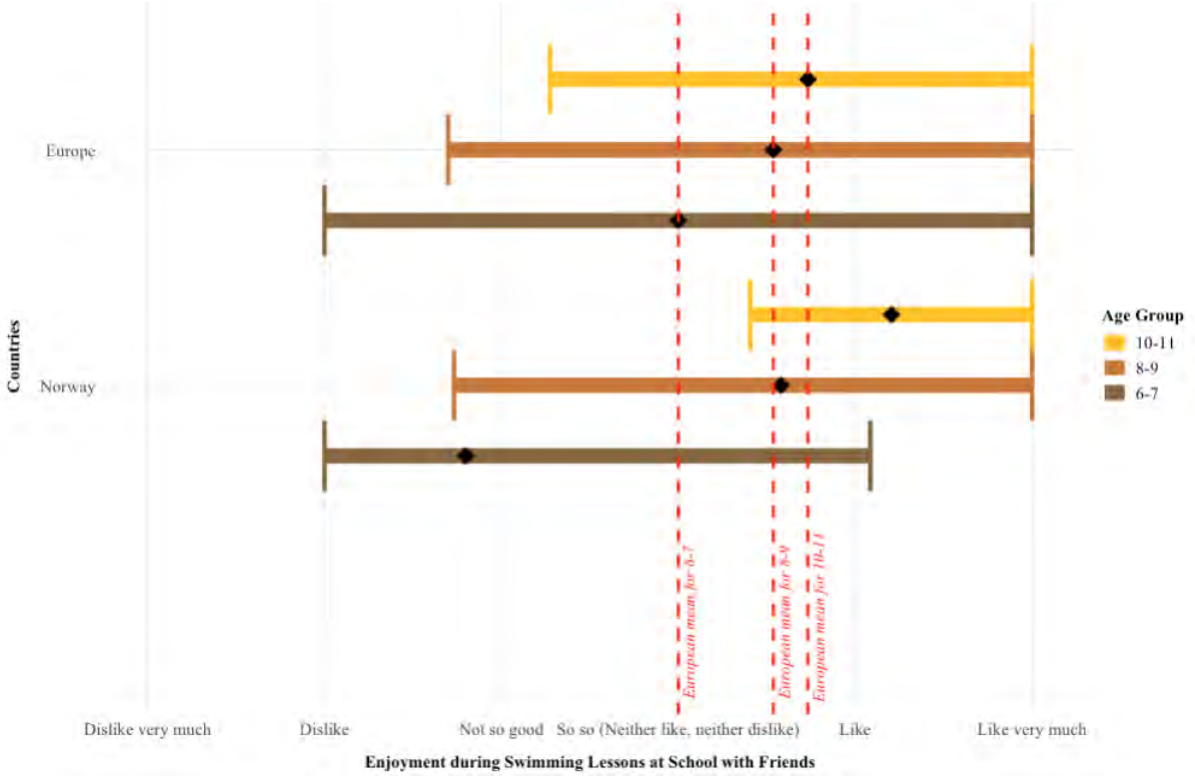


Figure 569. Distribution of the Enjoyment during Swimming Lessons at School with Friends according to the Age Group in Europe and in Norway (Mean±SD).

Table 977. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	119	698	2.34^{e-07} ***	0.17 [a]	0.93 [4]
	8-9 yo	124	975	0.71	0.01 [a]	0.05 [1]
	10-11 yo	73	785	0.07	0.06 [a]	0.16 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 978. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	119	124		1.72^{e-08} ***	0.34 [b]	1 [4]
	8-9 yo *vs* 10-11 yo		124	73	0.56	0.04 [a]	0.08 [1]
	6-7 yo *vs* 10-11 yo	119		73	5.3^{e-09} ***	0.4 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

3. Swimming lessons out-of-school

Overview

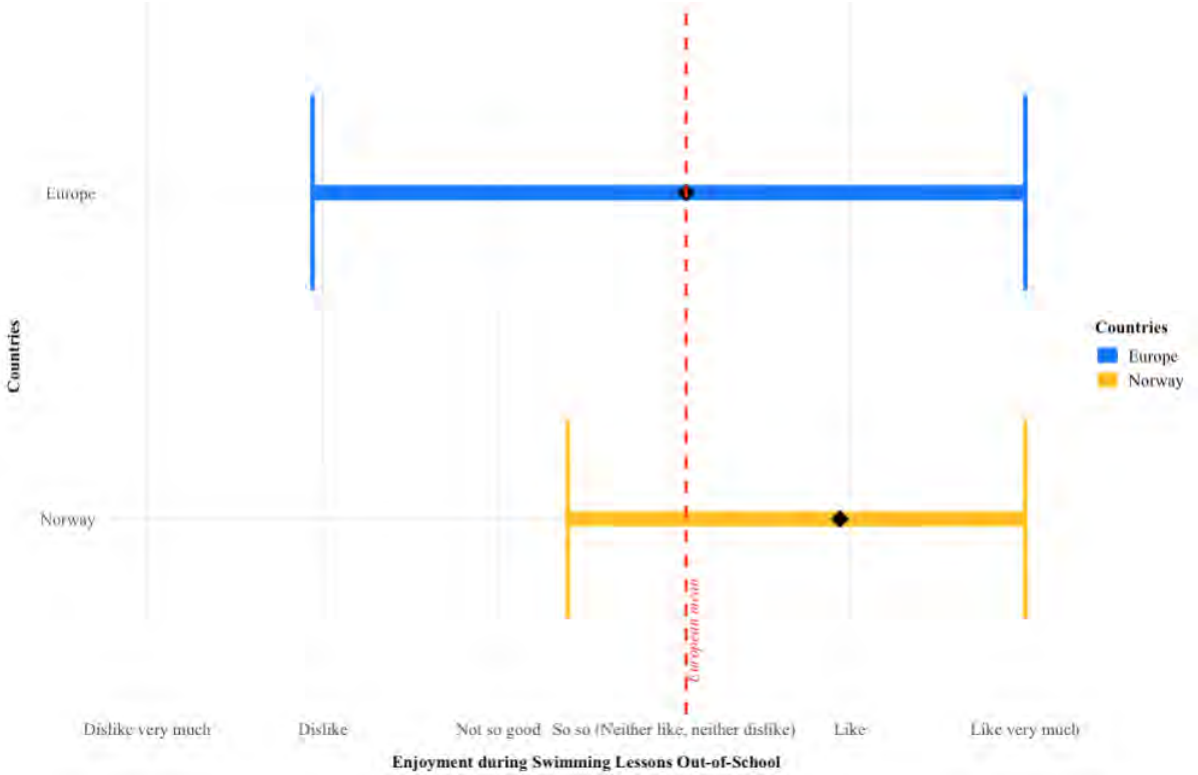


Figure 570. Distribution of the Enjoyment during Swimming Lessons Out-of-School in Europe and in Norway (Mean±SD).

Table 979. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	319	2,552	2.71^{e-10} ***	0.22 [b]	0.96 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

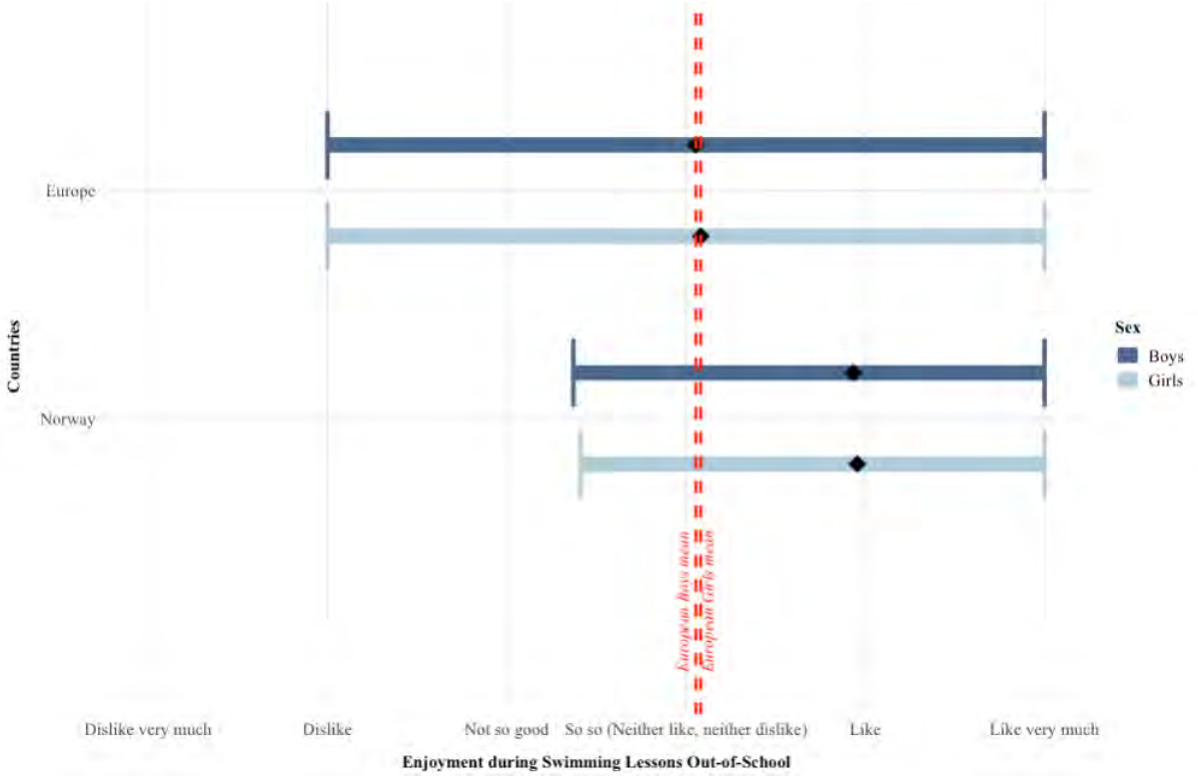


Figure 571. Distribution of the Enjoyment during Swimming Lessons Out-of-School according to the Sex in Europe and in Norway (Mean±SD).

Table 980. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	Boys	162	1,282	5.69^{e-06} ***	0.11 [a]	0.78 [2]
	Girls	157	1,270	1.12^{e-05} ***	0.11 [a]	0.74 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 981. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	Boys *vs* Girls	162	157	0.89	0.007 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

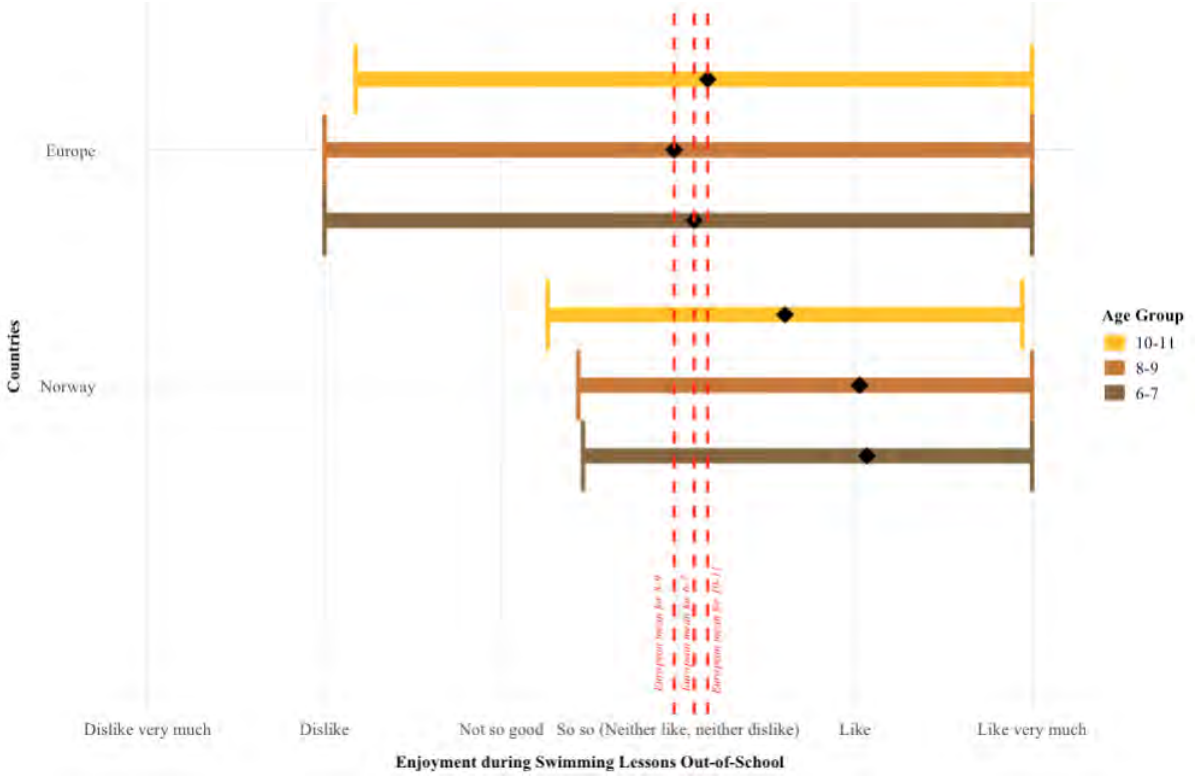


Figure 572. Distribution of the Enjoyment during Swimming Lessons Out-of-School according to the Age Group in Europe and in Norway (Mean±SD).

Table 982. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	122	745	1.43^{e-07} ***	0.14 [a]	0.8 [3]
	8-9 yo	124	1,017	9.12^{e-07} ***	0.14 [a]	0.83 [3]
	10-11 yo	73	790	0.56	0.02 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 983. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	122	124		0.54	0.03 [a]	0.08 [1]
	8-9 yo *vs* 10-11 yo		124	73	4.27^{e-04} ***	0.23 [b]	0.9 [4]
	6-7 yo *vs* 10-11 yo	122		73	9.78^{e-05} ***	0.26 [b]	0.95 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

4. Swimming lessons out-of-school with friends

Overview

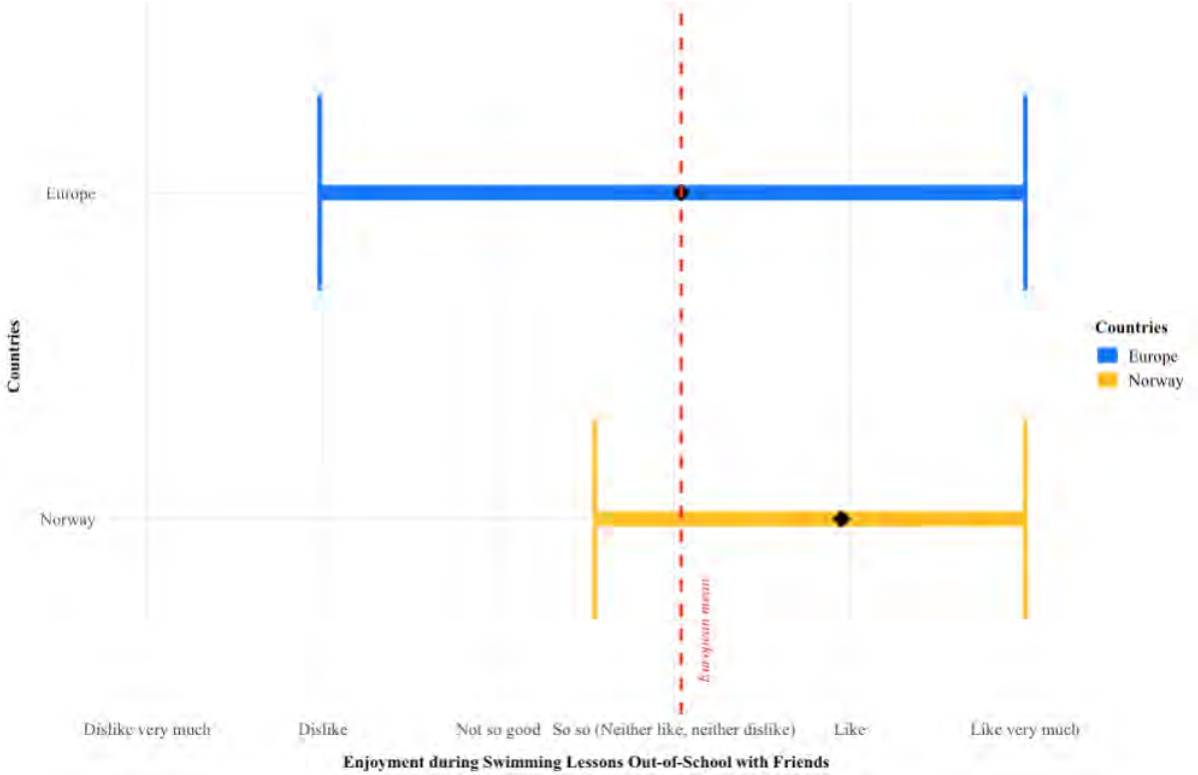


Figure 573. Distribution of the Enjoyment during Swimming Lessons Out-of-School with Friends in Europe and in Norway (Mean±SD).

Table 984. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	318	2,546	3.54^{e-11} ***	0.24 [b]	0.98 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

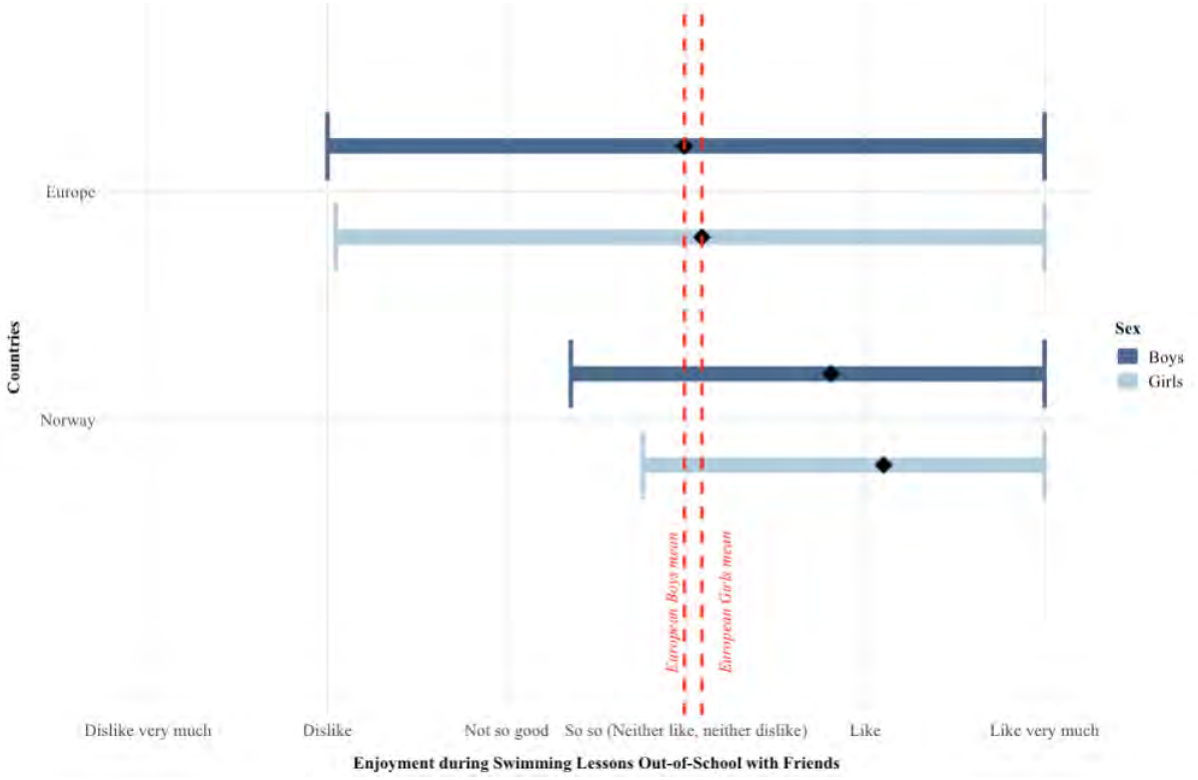


Figure 574. Distribution of the Enjoyment during Swimming Lessons Out-of-School with Friends according to the Sex the Sex in Europe and in Norway (Mean±SD).

Table 985. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	Boys	162	1,271	8.88^{e-05} ***	0.1 [a]	0.67 [2]
	Girls	156	1,275	3.07^{e-08} ***	0.14 [a]	0.91 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 986. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	Boys *vs* Girls	162	156	0.003 *	0.11 [a]	0.51 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

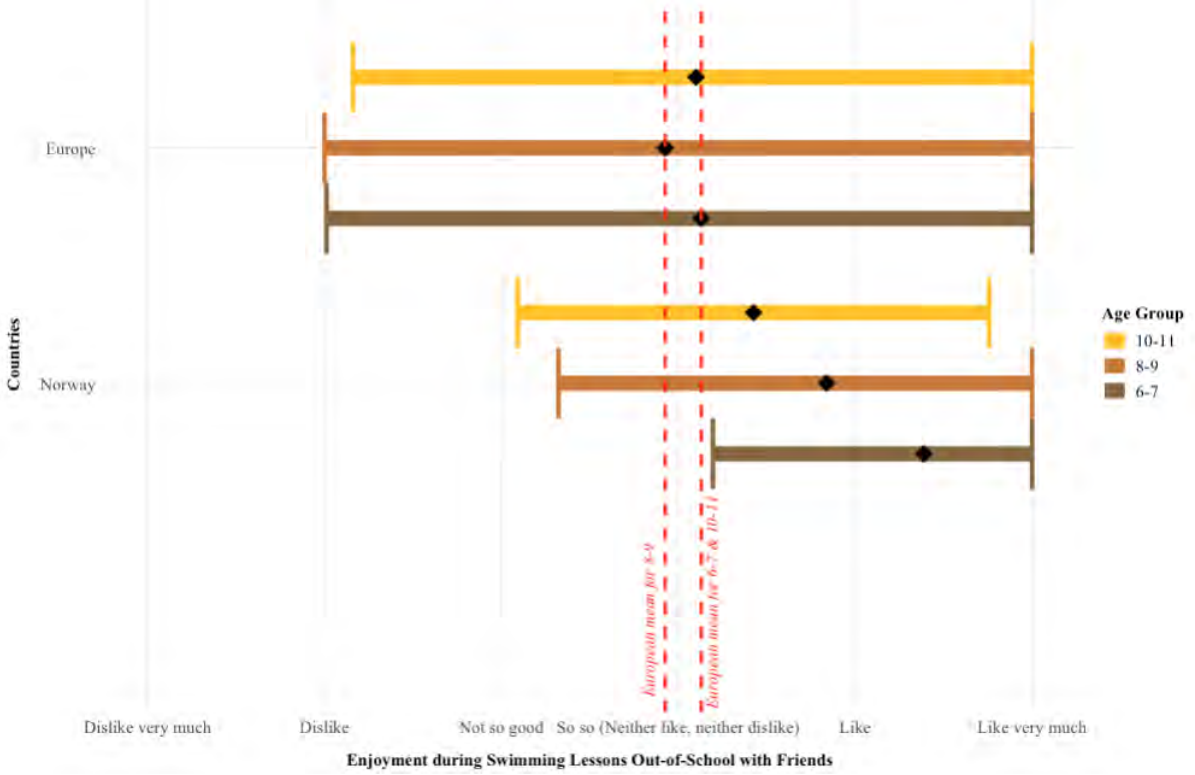


Figure 575. Distribution of the Enjoyment during Swimming Lessons Out-of-School with Friends according to the Age Group in Europe and in Norway (Mean±SD).

Table 987. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	121	746	1.07^{e-09} ***	0.19 [a]	0.98 [4]
	8-9 yo	124	1,014	9.57^{e-05} ***	0.11 [a]	0.65 [2]
	10-11 yo	73	786	0.87	0.005 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 988. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	121	124		1.12^{e-04} ***	0.22 [b]	0.94 [4]
	8-9 yo *vs* 10-11 yo		124	73	0.002 **	0.21 [b]	0.81 [3]
	6-7 yo *vs* 10-11 yo	121		73	5.12^{e-10} ***	0.41 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

5. Playing in the swimming pool

Overview

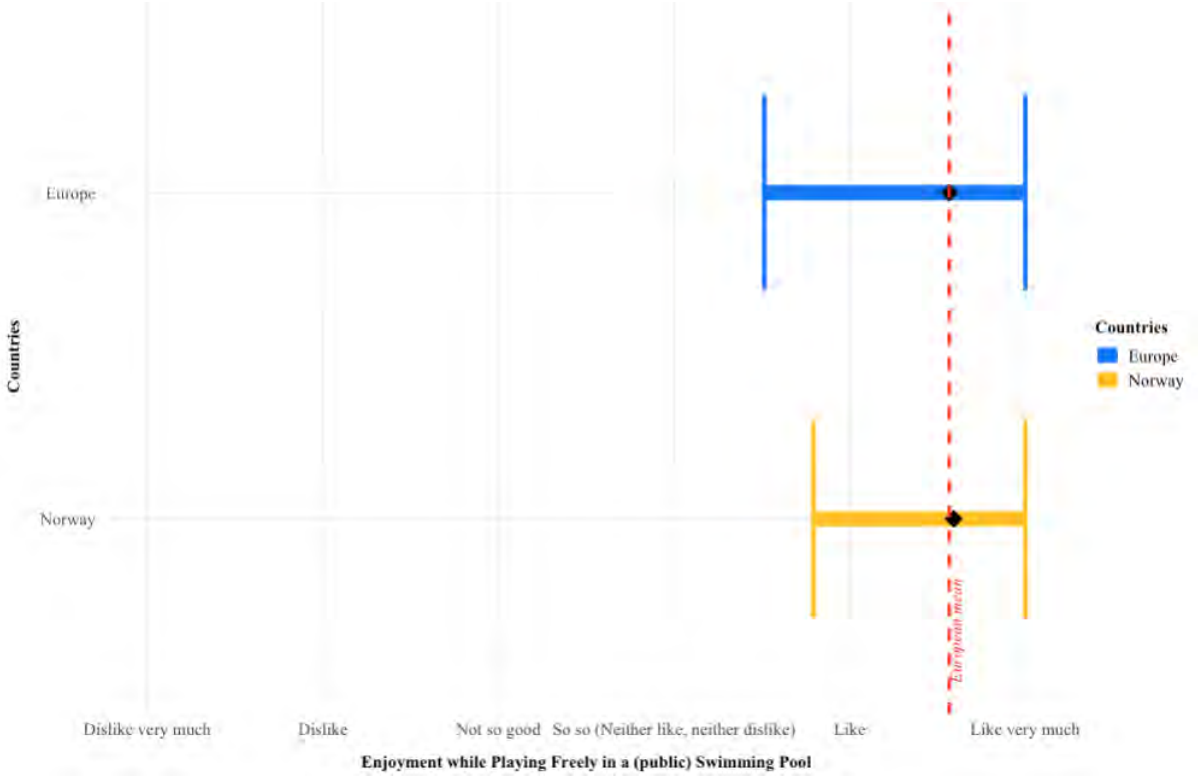


Figure 576. Distribution of the Enjoyment while Playing Freely in the Swimming Pool in Europe and in Norway (Mean±SD).

Table 989. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	319	2,656	0.04 *	0.05 [a]	0.15 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

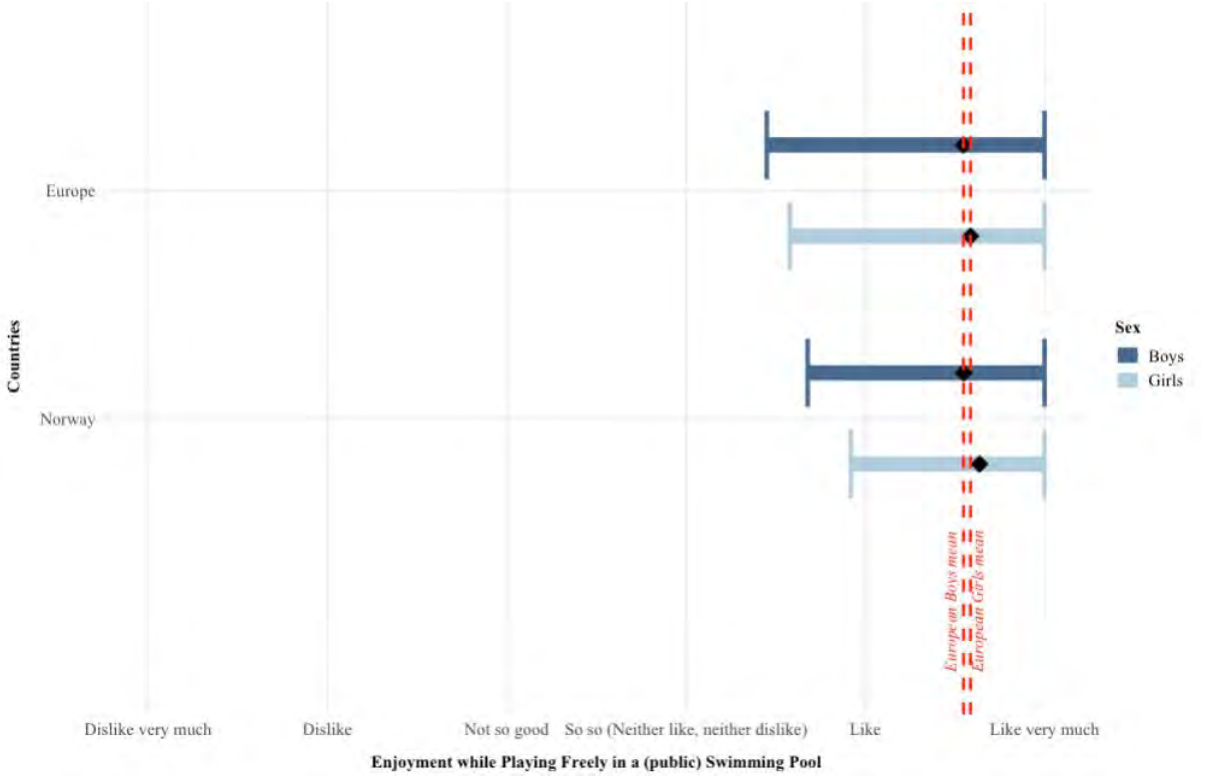


Figure 577. Distribution of the Enjoyment while Playing Freely in the Swimming Pool according to the Sex in Europe and in Norway (Mean±SD).

Table 990. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	Boys	162	1,334	0.06	0.03 [a]	0.13 [1]
	Girls	157	1,322	0.35	0.02 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 991. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	Boys *vs* Girls	162	157	0.49	0.03 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

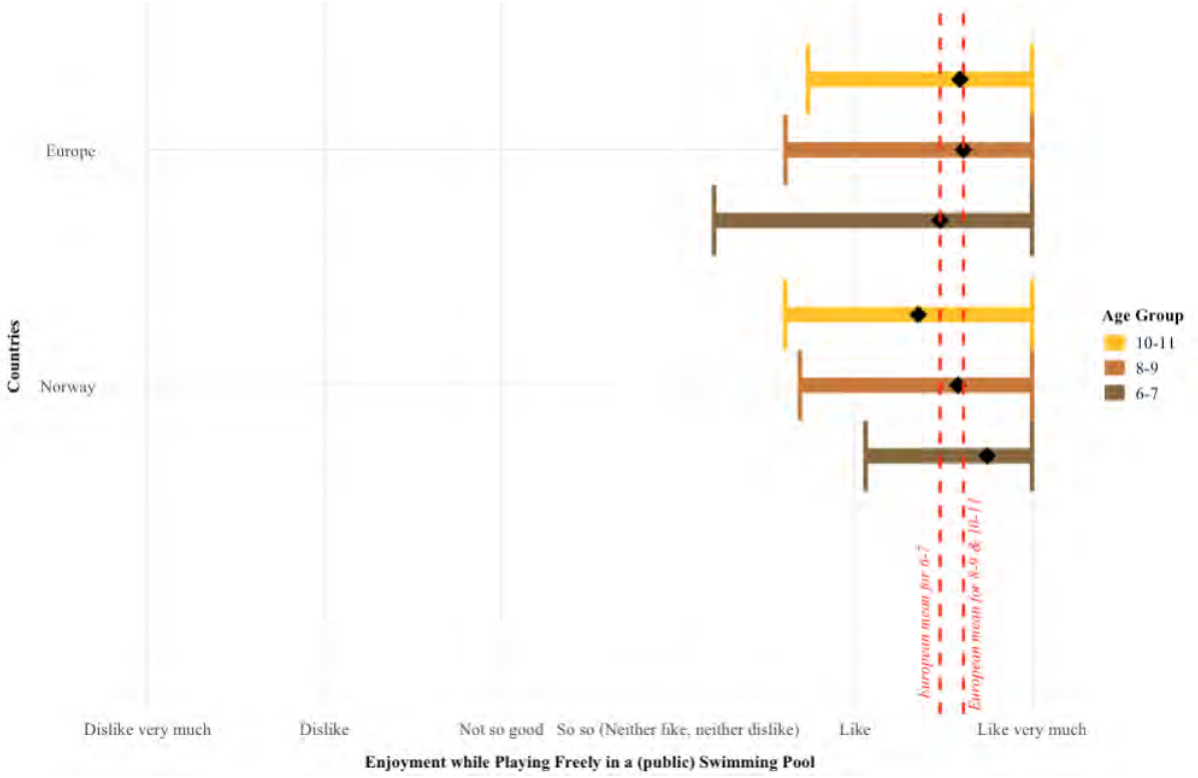


Figure 578. Distribution of the Enjoyment while Playing Freely in the Swimming Pool according to the Age Group in Europe and in Norway (Mean±SD).

Table 992. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	122	773	0.18	0.03 [a]	0.1 [1]
	8-9 yo	124	1,067	0.13	0.03 [a]	0.1 [1]
	10-11 yo	73	816	4^{e-05} ***	0.11 [a]	0.43 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 993. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	122	124		0.05	0.09 [a]	0.27 [1]
	8-9 yo *vs* 10-11 yo		124	73	0.001 **	0.19 [a]	0.75 [2]
	6-7 yo *vs* 10-11 yo	122		73	8.91^{e-07} ***	0.28 [b]	0.97 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

6. Playing in the swimming pool with friends

Overview

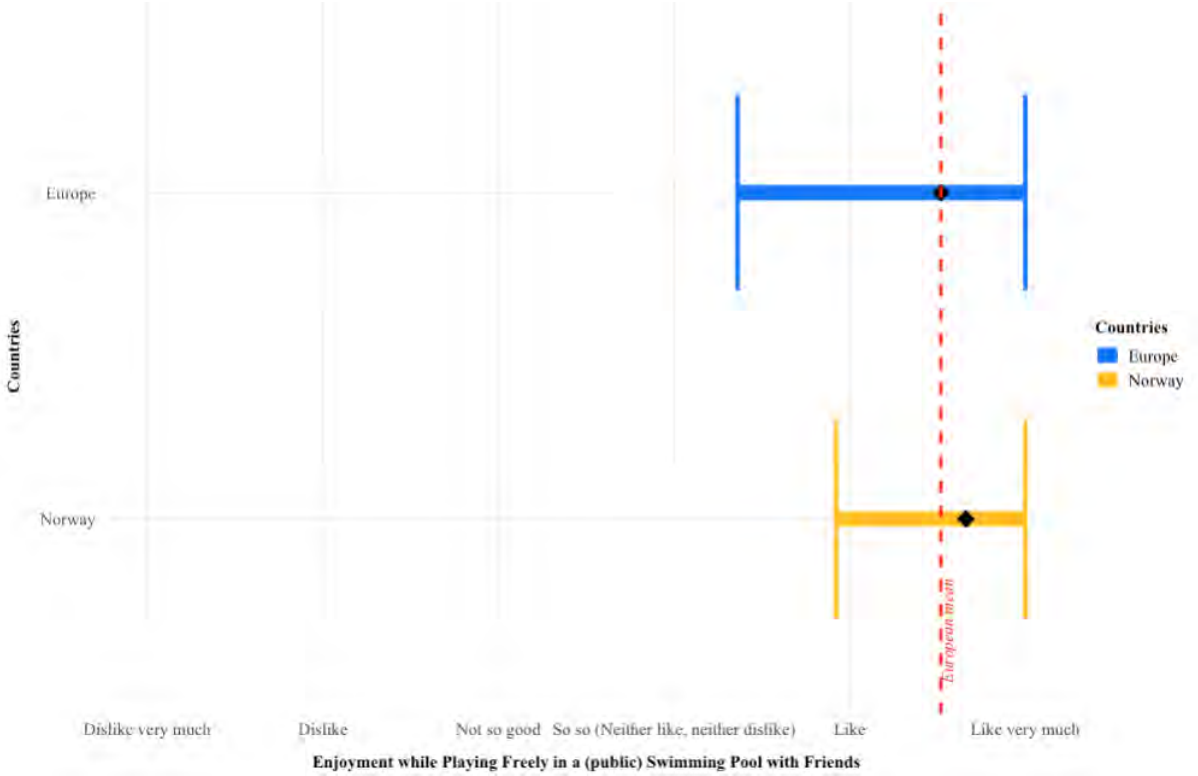


Figure 579. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Europe and in Norway (Mean±SD).

Table 994. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	319	2,650	0.98	5.8^{e-04} [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

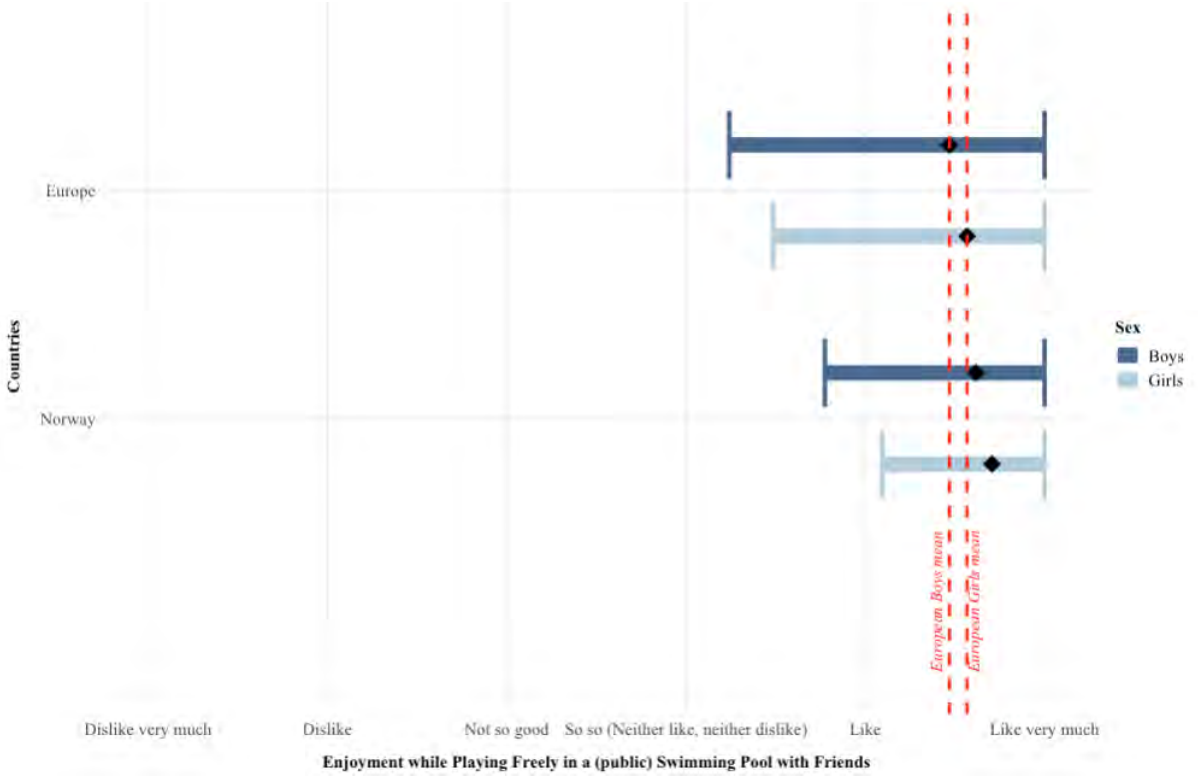


Figure 580. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Friends according to the Sex in Europe and in Norway (Mean±SD).

Table 995. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	Boys	124	1,061	0.98	2.6^{e-04} [a]	0.05 [1]
	Girls	157	1,325	0.97	6.6^{e-04} [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 996. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway	Boys *vs* Girls	124	157	0.68	0.02 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

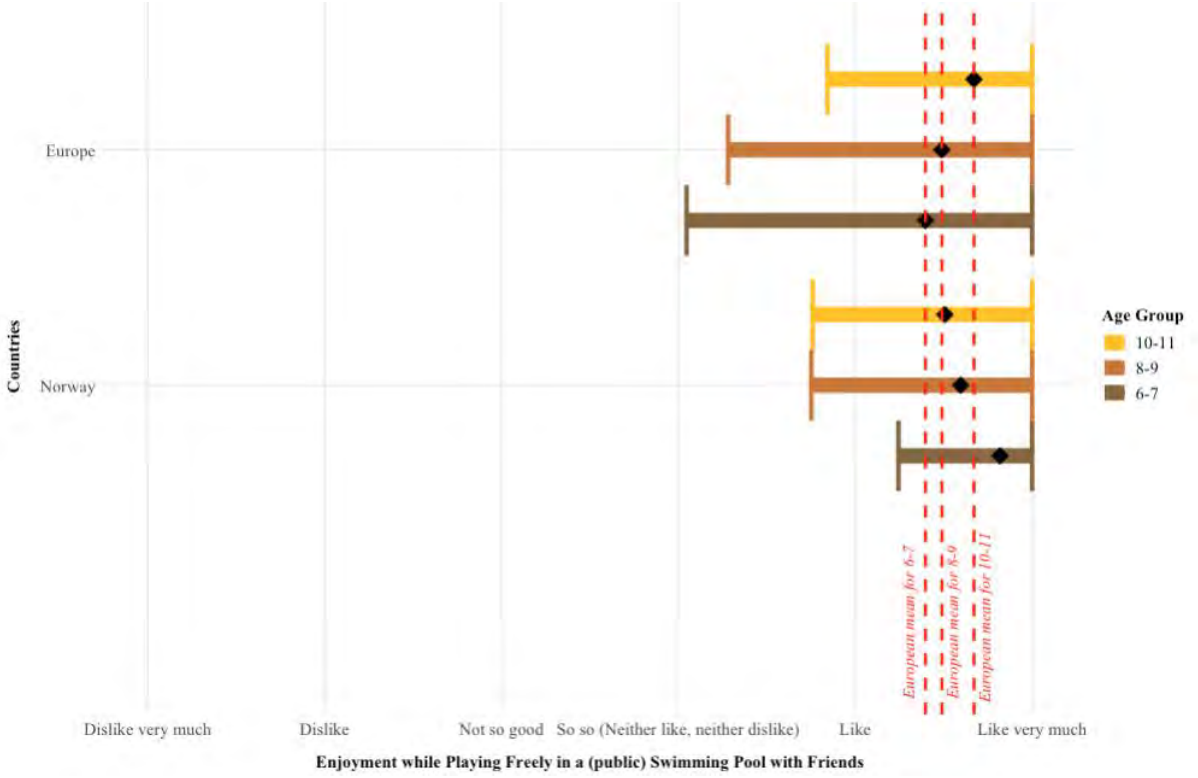


Figure 581. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Friends according to the Age Group in Europe and in Norway (Mean±SD).

Table 997. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	122	774	0.001 **	0.08 [a]	0.35 [1]
	8-9 yo	124	1,061	0.5	0.01 [a]	0.06 [1]
	10-11 yo	73	815	0.001 **	0.08 [a]	0.26 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 998. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	122	124		0.003 **	0.13 [a]	0.52 [2]
	8-9 yo *vs* 10-11 yo		124	73	0.12	0.09 [a]	0.23 [1]
	6-7 yo *vs* 10-11 yo	122		73	2.37^{e-05} ***	0.22 [b]	0.85 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

7. Playing in the swimming pool with family

Overview

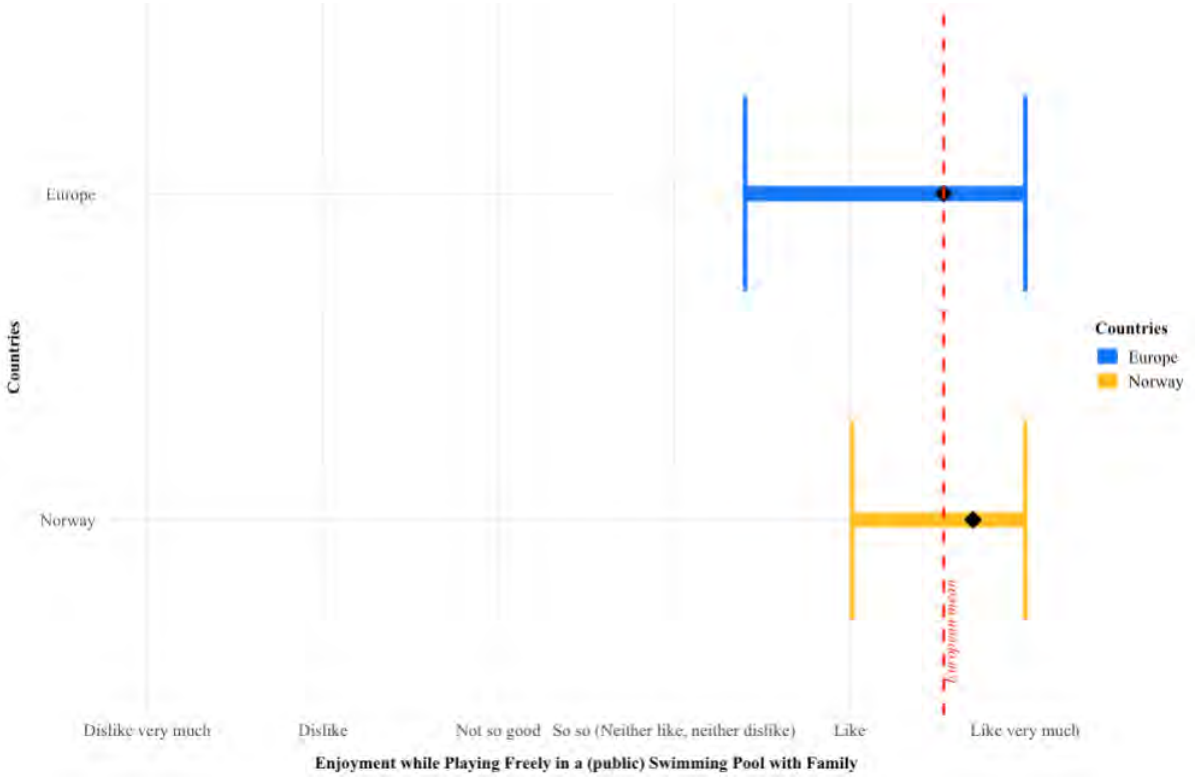


Figure 582. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Family in Europe and in Norway (Mean±SD).

Table 999. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	319	2,640	0.58	0.01 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

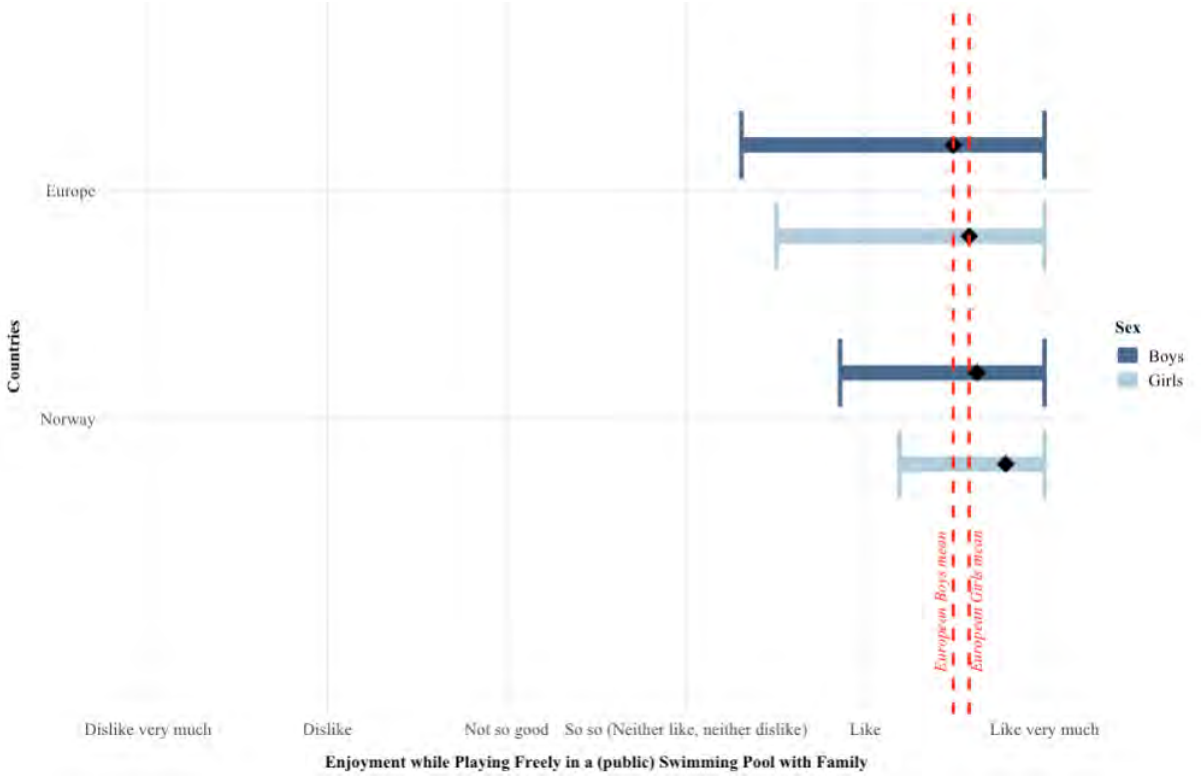


Figure 583. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Family according to the Sex in Europe and in Norway (Mean±SD).

Table 1000. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	Boys	162	1,328	0.48	0.01 [a]	0.06 [1]
	Girls	157	1,312	0.1	0.03 [a]	0.11 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1001. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway	Boys *vs* Girls	162	157	0.01 *	0.1 [a]	0.45 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: p-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

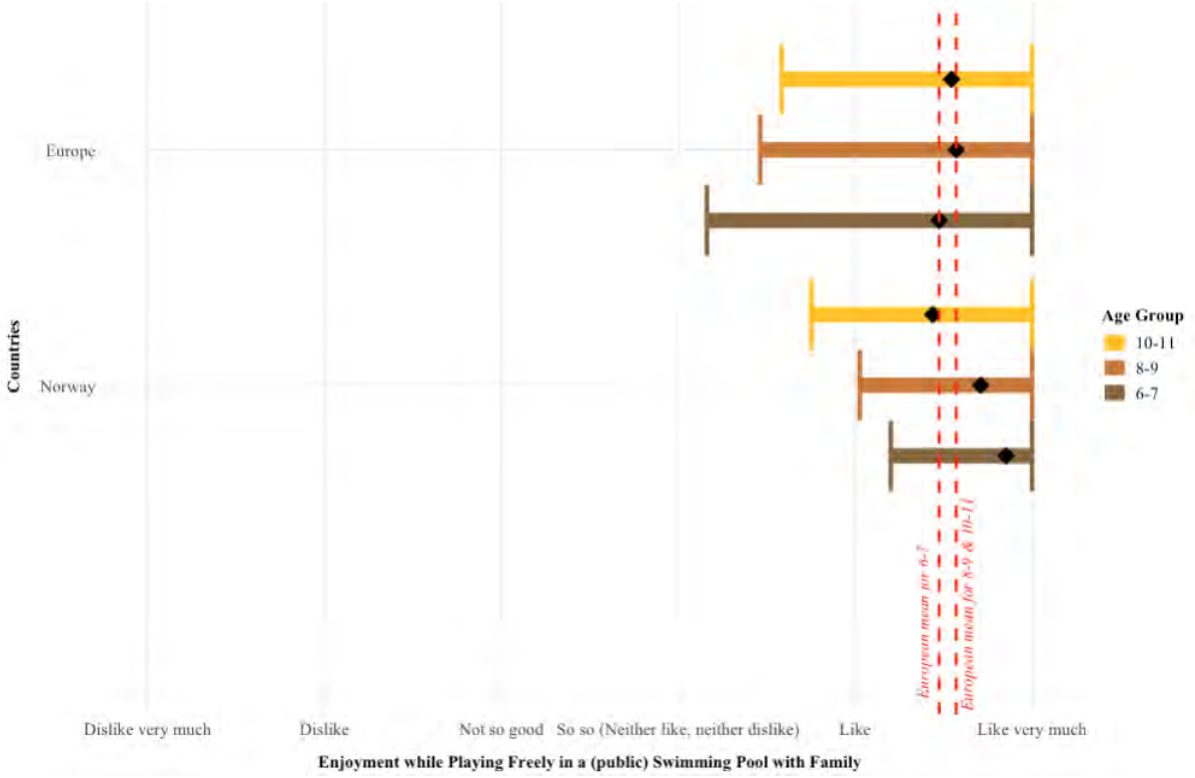


Figure 584. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Family according to the Age Group in Europe and in Norway (Mean±SD).

Table 1002. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	122	771	9.89^{e-04} ***	0.07 [a]	0.33 [1]
	8-9 yo	124	1,057	0.82	0.004 [a]	0.05 [1]
	10-11 yo	73	812	0.003 **	0.08 [a]	0.26 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: p-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1003. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	122	124		0.002 **	0.12 [a]	0.47 [1]
	8-9 yo *vs* 10-11 yo		124	73	3.08^{e-04} ***	0.21 [b]	0.82 [3]
	6-7 yo *vs* 10-11 yo	122		73	6.81^{e-10} ***	0.32 [b]	0.99 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

e. Opportunities

1. Swimming races

Overview

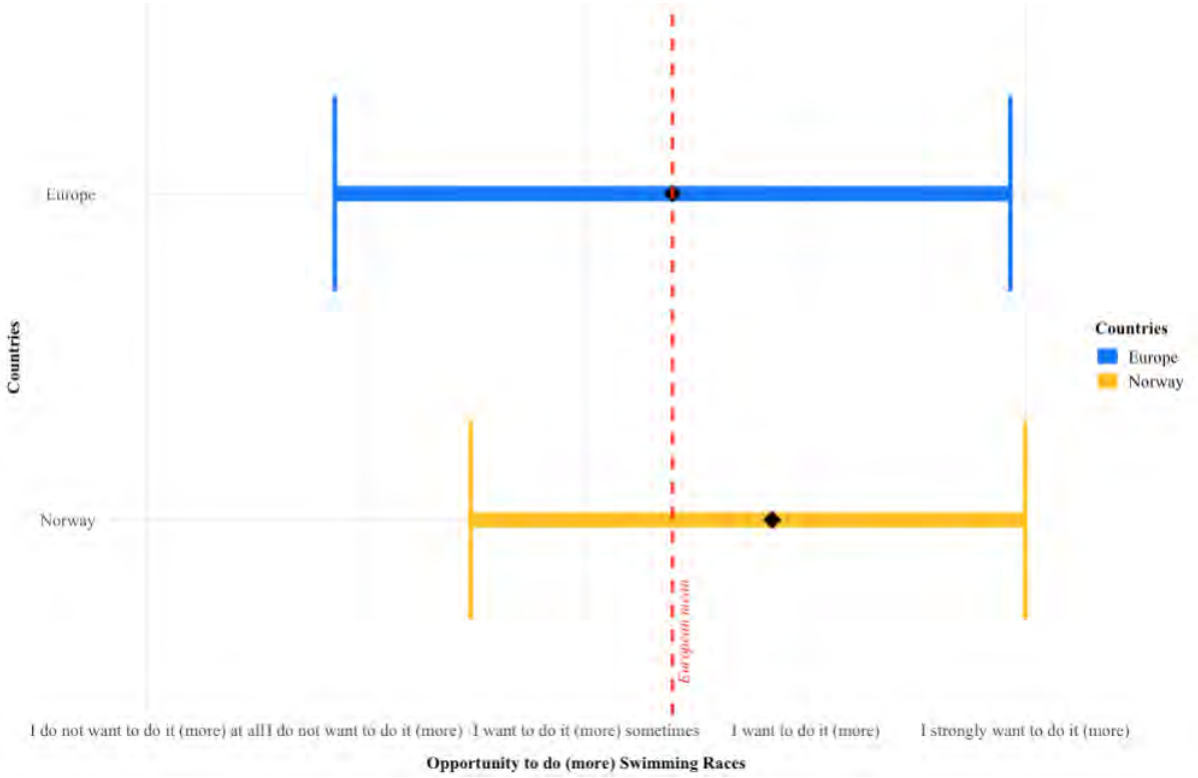


Figure 585. Distribution of the Opportunity to do (more) Swimming Races in Europe and in Norway (Mean±SD).

Table 1004. Comparative Analysis of the Opportunity to do (more) Swimming Races in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	319	2,634	8.2^{e-07} ***	0.18 [a]	0.84 [3]

0.08Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

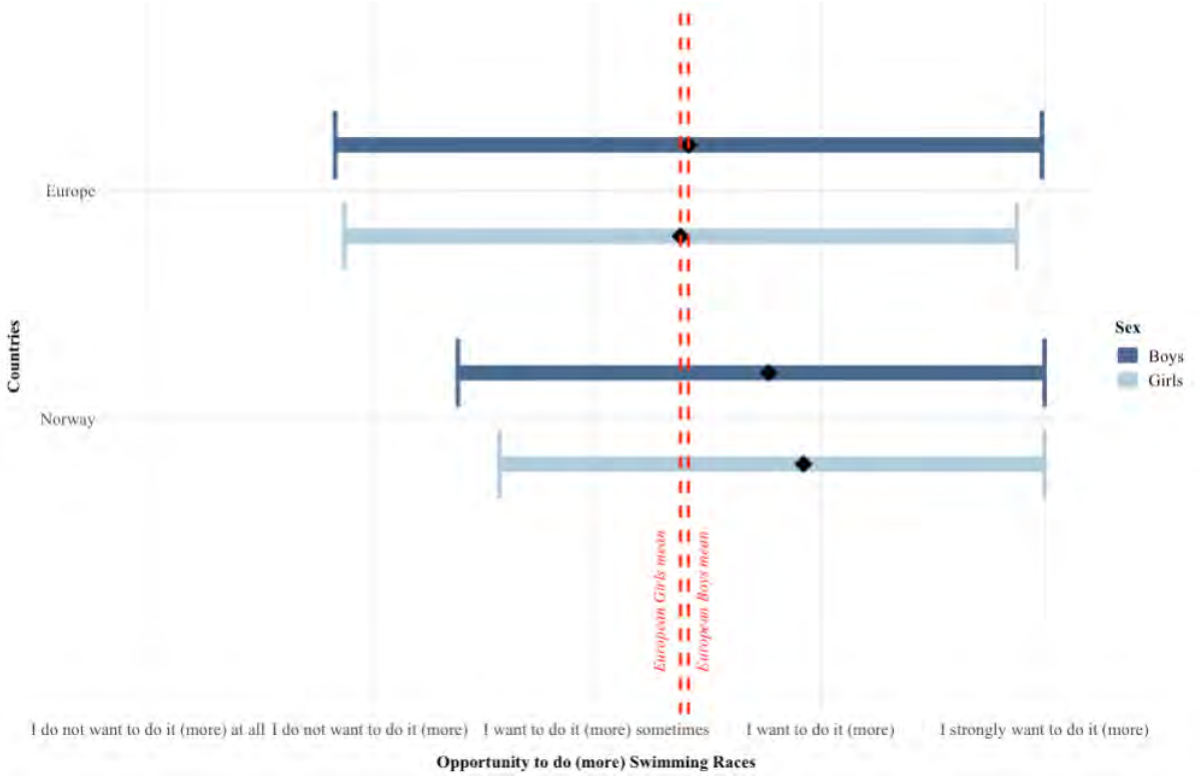


Figure 586. Distribution of the Opportunity to do (more) Swimming Races according to the Sex in Europe and in Norway (Mean±SD).

Table 1005. Comparative Analysis of the Opportunity to do (more) Swimming Races in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	Boys	161	1,314	0.01 **	0.06 [a]	0.34 [1]
	Girls	158	1,320	8.05^{e-06} ***	0.11 [a]	0.77 [3]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1006. Comparative Analysis of the Opportunity to do (more) Swimming Races in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	Boys *vs* Girls	161	158	0.32	0.05 [a]	0.15 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

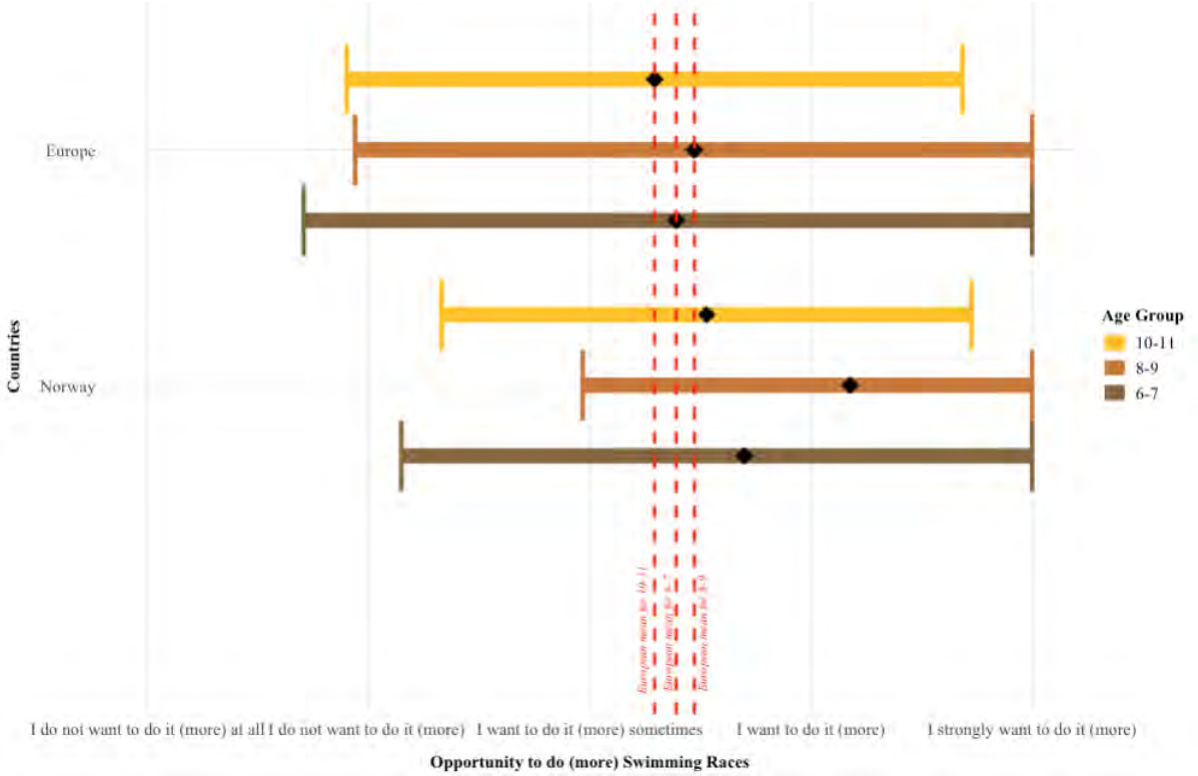


Figure 587. Distribution of the Opportunity to do (more) Swimming Races according to the Age Group in Europe and in Norway (Mean±SD).

Table 1007. Comparative Analysis of the Opportunity to do (more) Swimming Races in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	123	756	0.09	0.05 [a]	0.2 [1]
	8-9 yo	124	1,058	6.24^{e-07} ***	0.14 [a]	0.83 [3]
	10-11 yo	72	820	0.22	0.04 [a]	0.1 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1008. Comparative Analysis of the Opportunity to do (more) Swimming Races in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	123	124		0.02 *	0.14 [a]	0.59 [2]
	8-9 yo *vs* 10-11 yo		124	72	2.04^{e-05} ***	0.28 [b]	0.98 [4]
	6-7 yo *vs* 10-11 yo	123		72	0.07	0.12 [a]	0.38 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

2. Water Polo

Overview

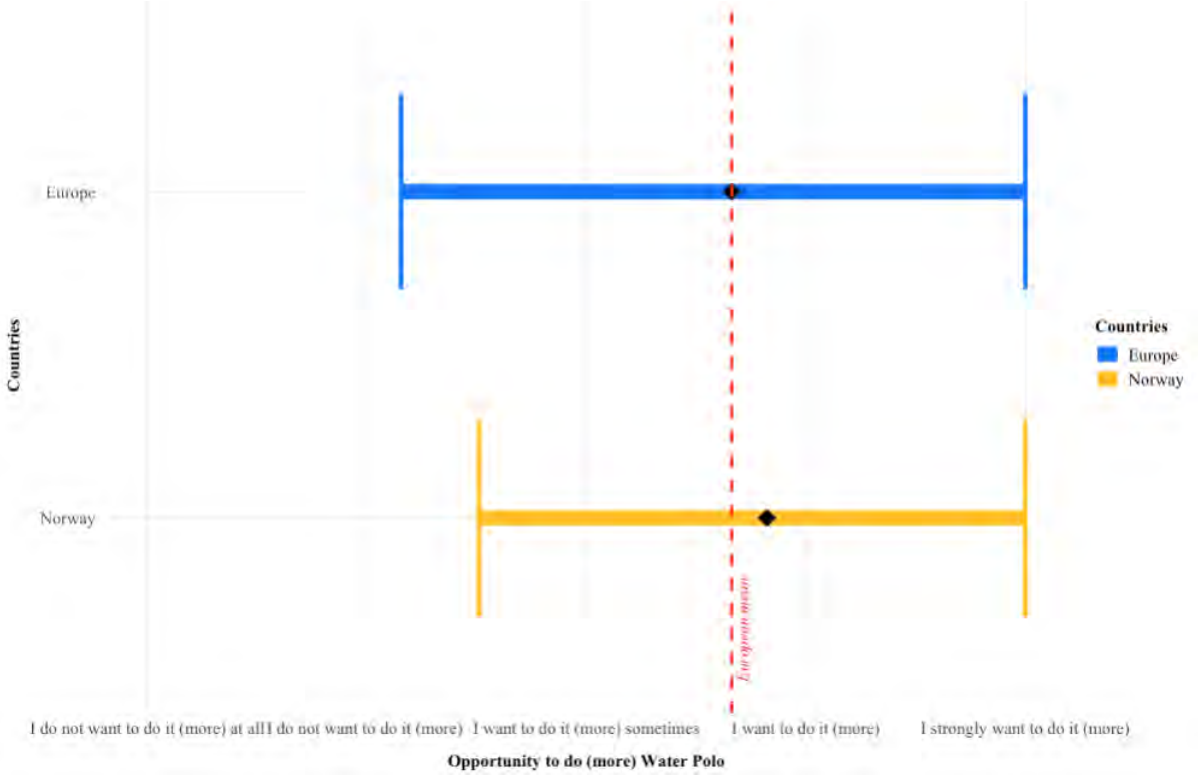


Figure 588. Distribution of the Opportunity to do (more) Water Polo in Europe and in Norway (Mean±SD).

Table 1009. Comparative Analysis of the Opportunity to do (more) Water Polo in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	320	2,621	0.30	0.04 [a]	0.09 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

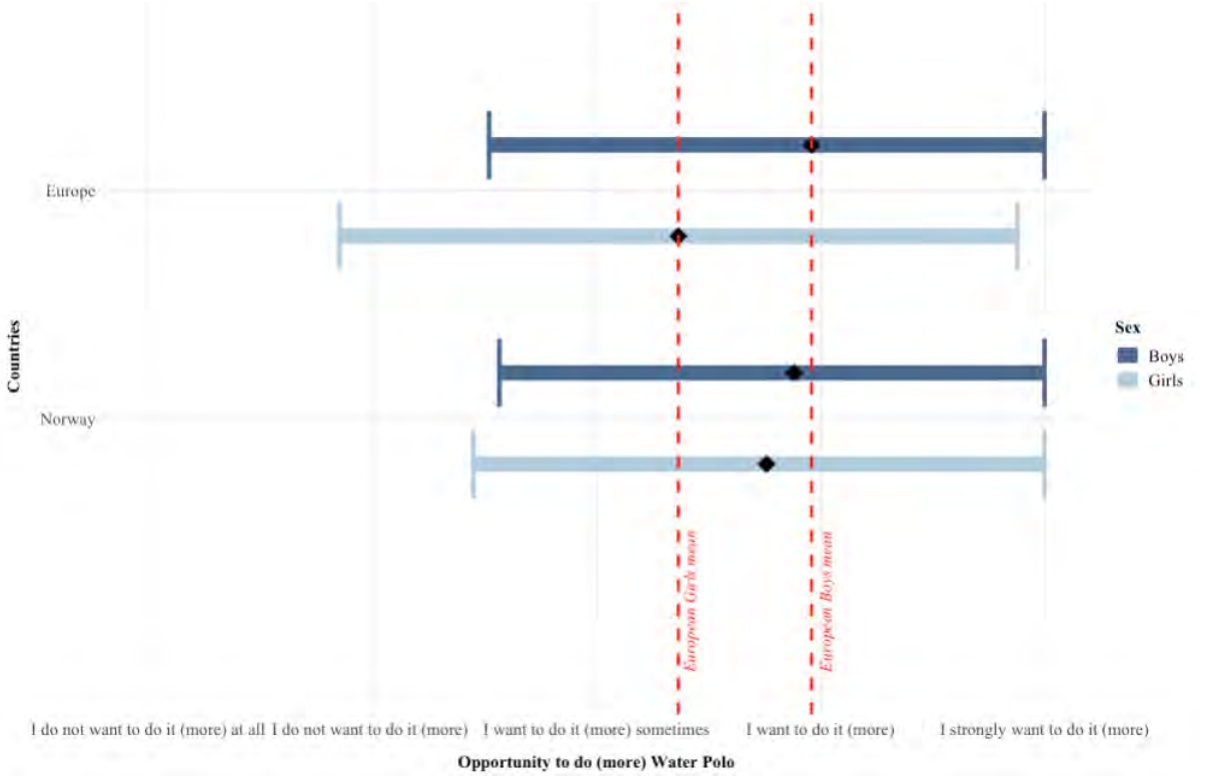


Figure 589. Distribution of the Opportunity to do (more) Water Polo according to the Sex in Europe and in Norway (Mean±SD).

Table 1010. Comparative Analysis of the Opportunity to do (more) Water Polo in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	Boys	162	1,308	0.11	0.04 [a]	0.15 [1]
	Girls	158	1,313	0.004 **	0.07 [a]	0.42 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1011. Comparative Analysis of the Opportunity to do (more) Water Polo in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	Boys *vs* Girls	162	158	0.31	0.05 [a]	0.16 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

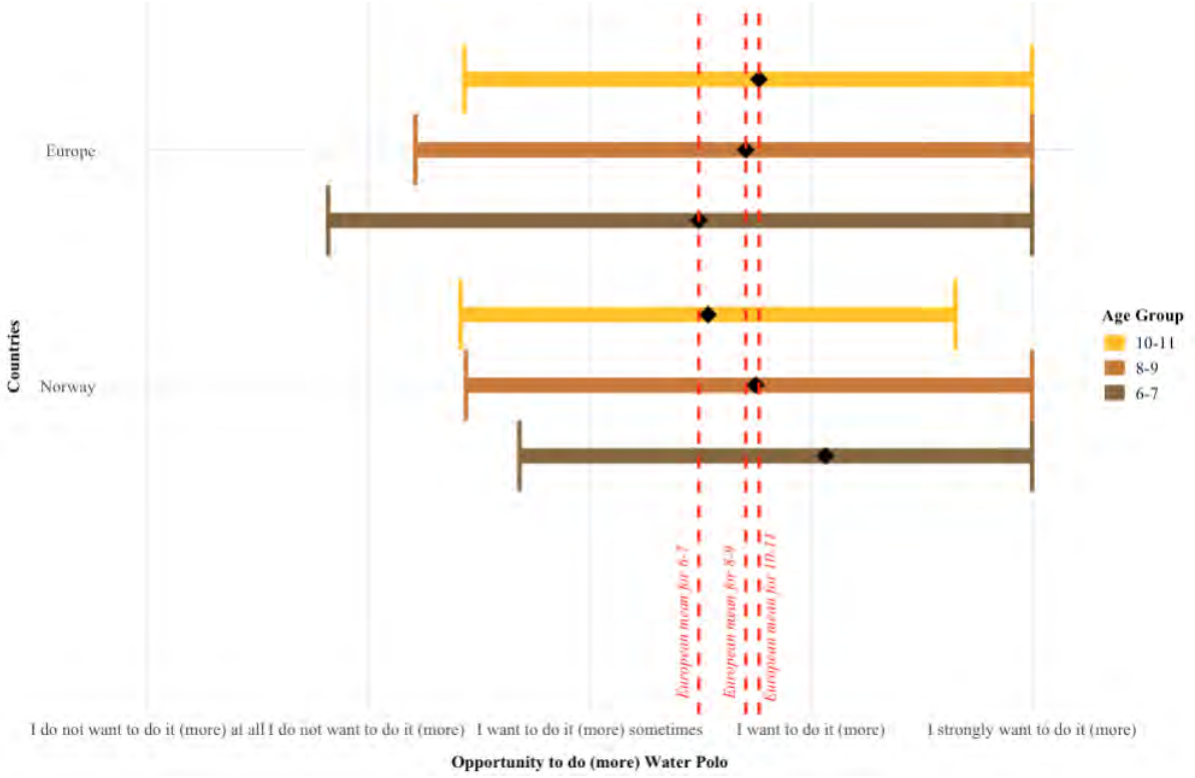


Figure 590. Distribution of the Opportunity to do (more) Water Polo according to the Age Group in Europe and in Norway (Mean±SD).

Table 1012. Comparative Analysis of the Opportunity to do (more) Water Polo in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	123	757	8.36^{e-04} ***	0.1 [a]	0.58 [2]
	8-9 yo	124	1,047	0.81	0.007 [a]	0.05 [1]
	10-11 yo	73	817	0.02*	0.07 [a]	0.23 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1013. Comparative Analysis of the Opportunity to do (more) Water Polo in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	123	124		0.01 *	0.14 [a]	0.63 [2]
	8-9 yo *vs* 10-11 yo		124	73	0.11	0.11 [a]	0.32 [1]
	6-7 yo *vs* 10-11 yo	123		73	5.03^{e-05} ***	0.27 [b]	0.97 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

3. Artistic Swimming

Overview

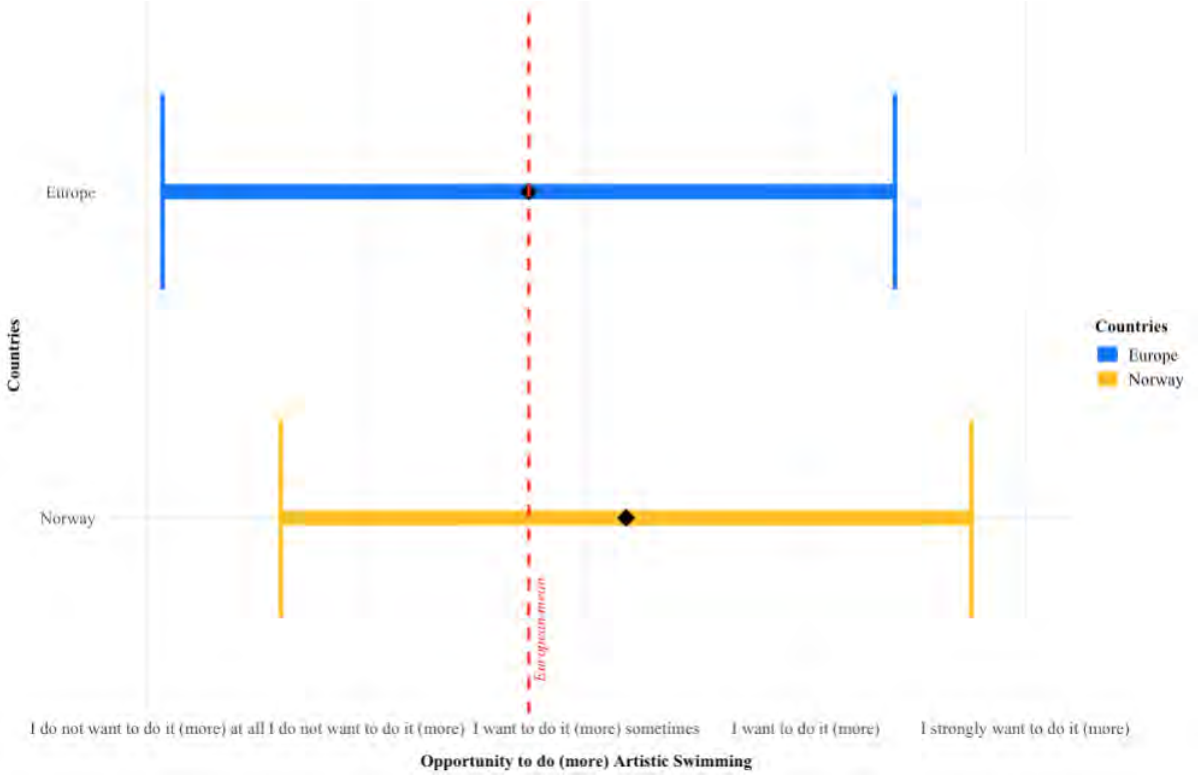


Figure 591. Distribution of the Opportunity to do (more) Artistic Swimming in Europe and in Norway (Mean±SD).

Table 1014. Comparative Analysis of the Opportunity to do (more) Artistic Swimming at School in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	320	2,603	3.76^{e-06} ***	0.16 [a]	0.79 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

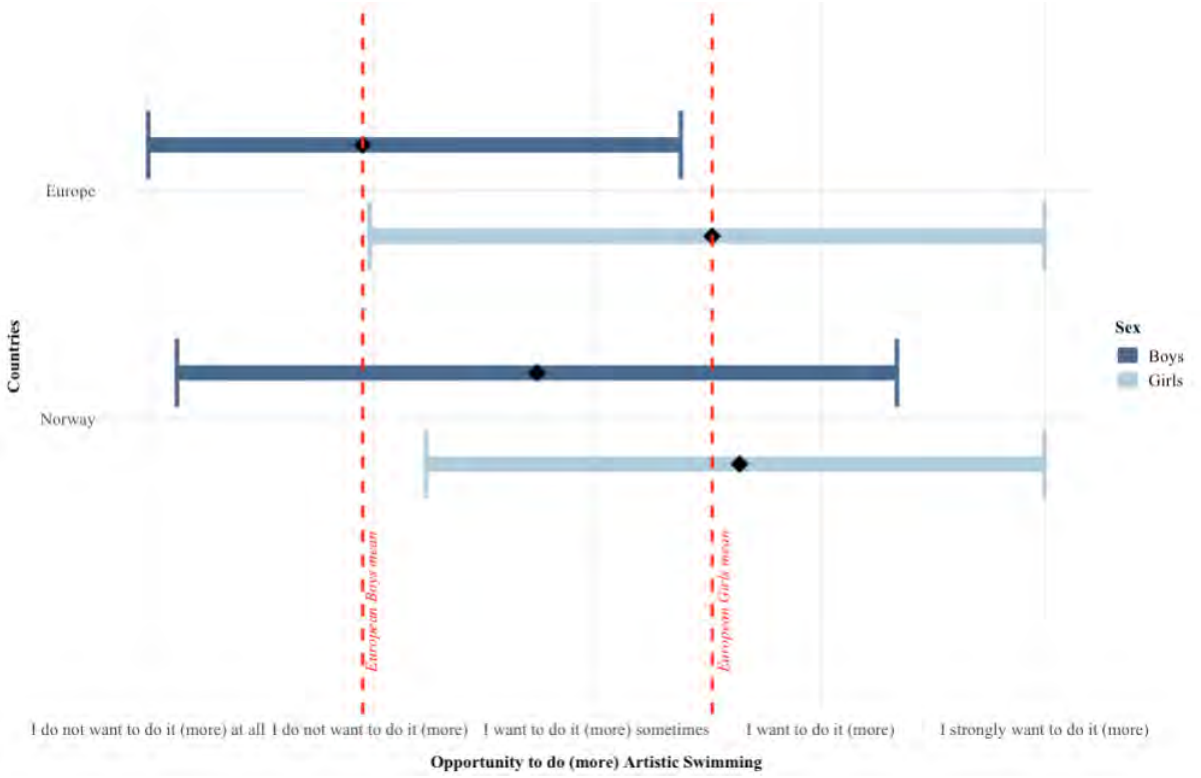


Figure 592. Distribution of the Opportunity to do (more) Artistic Swimming according to the Sex in Europe and in Norway (Mean±SD).

Table 1015. Comparative Analysis of the Opportunity to do (more) Artistic Swimming in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	Boys	162	1,300	1.04^{e-10} ***	0.15 [a]	0.95 [4]
	Girls	158	1,303	0.47	0.02 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1016. Comparative Analysis of the Opportunity to do (more) Artistic Swimming in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway	Boys *vs* Girls	162	158	4.59^{e-07} ***	0.27 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

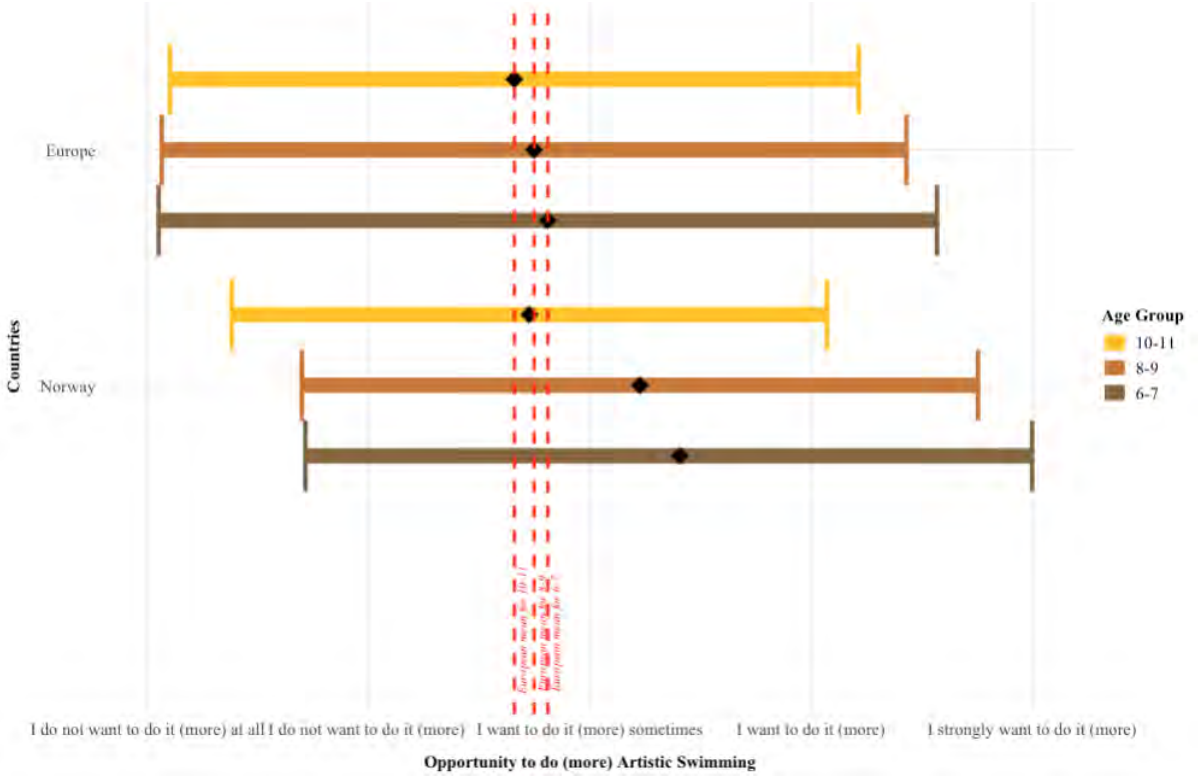


Figure 593. Distribution of the Opportunity to do (more) Artistic Swimming according to the Age Group in Europe and in Norway (Mean±SD).

Table 1017. Comparative Analysis of the Opportunity to do (more) Artistic Swimming in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	123	741	6.2^{e-04} ***	0.11 [a]	0.62 [2]
	8-9 yo	124	1,054	0.002 **	0.08 [a]	0.42 [1]
	10-11 yo	73	808	0.51	0.02 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1018. Comparative Analysis of the Opportunity to do (more) Artistic Swimming in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	123	124		0.23	0.07 [a]	0.21 [1]
	8-9 yo *vs* 10-11 yo		124	73	0.02 *	0.16 [a]	0.6 [2]
	6-7 yo *vs* 10-11 yo	123		73	0.003 **	0.21 [b]	0.82 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

4. Diving

Overview

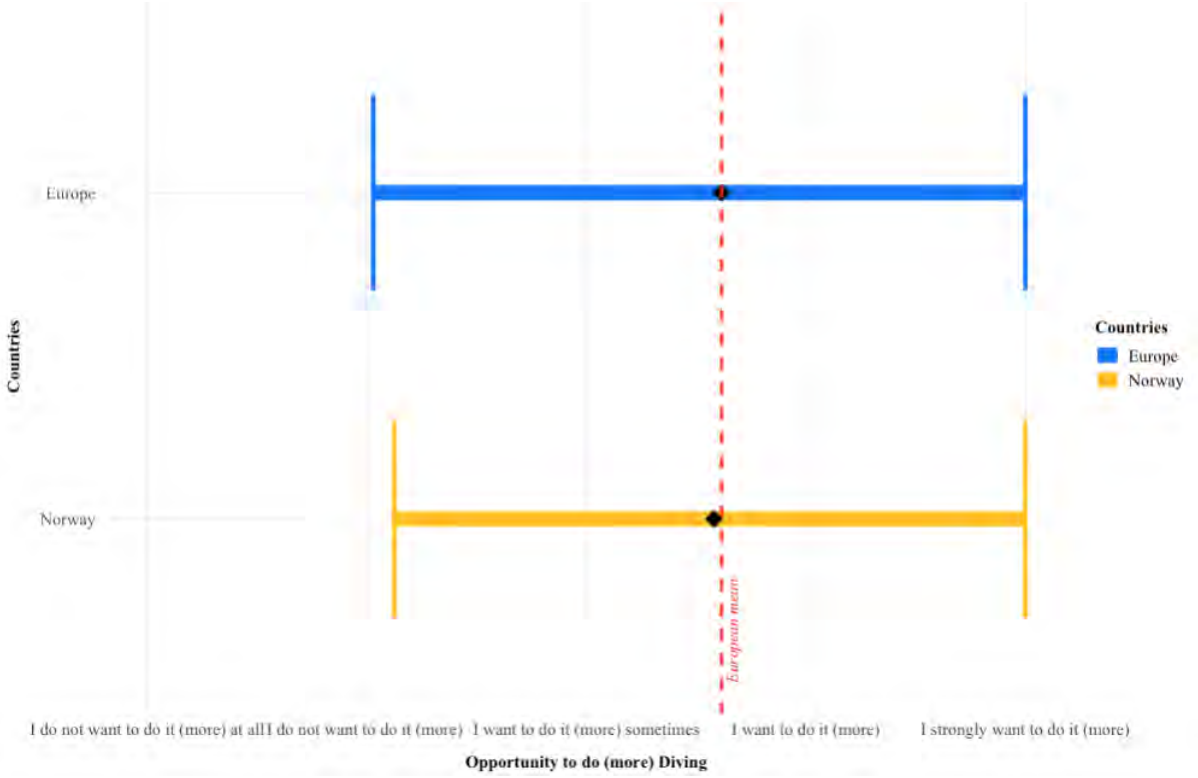


Figure 594. Distribution of the Opportunity to do (more) Diving in Europe and in Norway (Mean±SD).

Table 1019. Comparative Analysis of the Opportunity to do (more) Diving at School in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	320	2,600	0.25	0.04 [a]	0.10 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

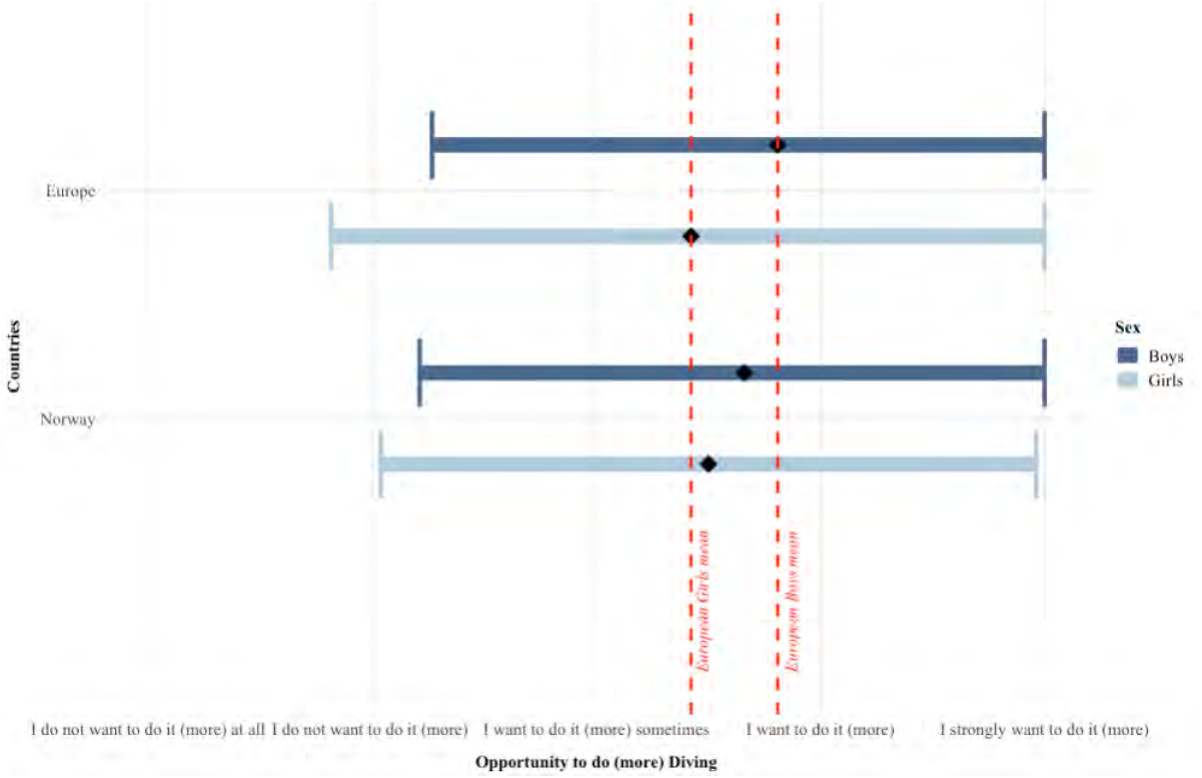


Figure 595. Distribution of the Opportunity to do (more) Diving according to the Sex in Europe and in Norway (Mean±SD).

Table 1020. Comparative Analysis of the Opportunity to do (more) Diving in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	Boys	162	1,300	0.06	0.05 [a]	0.2 [1]
	Girls	158	1,300	0.83	0.005 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1021. Comparative Analysis of the Opportunity to do (more) Diving in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	Boys *vs* Girls	162	158	0.29	0.06 [a]	0.17 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

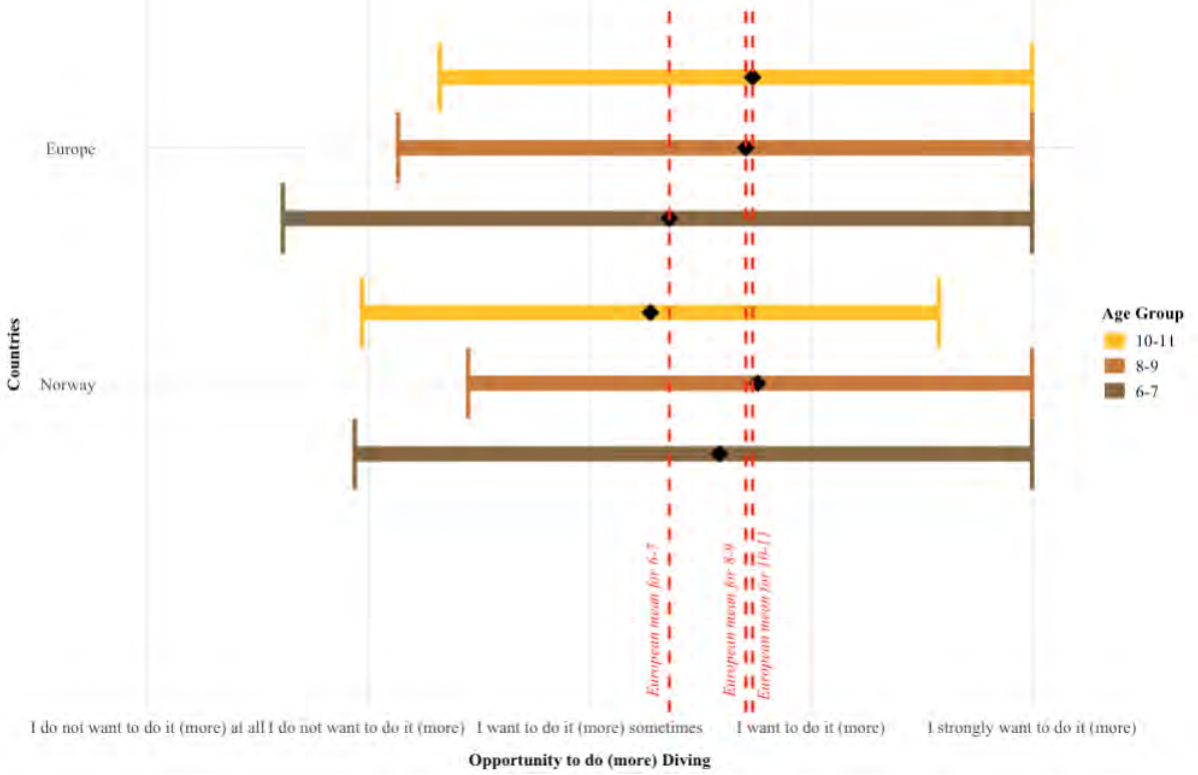


Figure 596. Distribution of the Opportunity to do (more) Diving according to the Age Group in Europe and in Norway (Mean±SD).

Table 1022. Comparative Analysis of the Opportunity to do (more) Diving in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	123	743	0.2	0.04 [a]	0.14 [1]
	8-9 yo	124	1,051	0.44	0.02 [a]	0.07 [1]
	10-11 yo	73	806	0.001 **	0.1 [a]	0.39 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1023. Comparative Analysis of the Opportunity to do (more) Diving in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	123	124		0.99	7.4^{e-04} [a]	0.05 [1]
	8-9 yo *vs* 10-11 yo		124	73	0.007 **	0.18 [a]	0.72 [3]
	6-7 yo *vs* 10-11 yo	123		73	0.05	0.13 [a]	0.44 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

5. Water sport 1

Overview

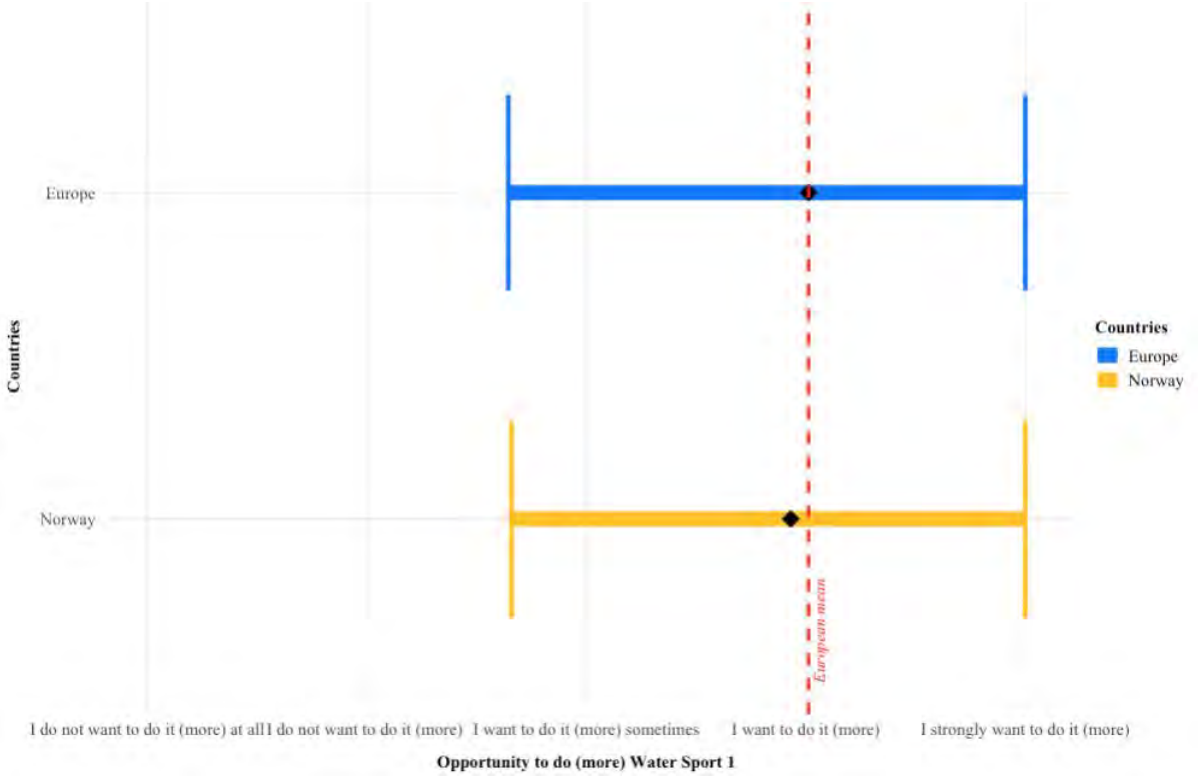


Figure 597. Distribution of the Opportunity to do (more) Water Sport 1in Europe and in Norway (Mean±SD).

Table 1024. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* **Europe**	320	2,602	0.03 *	0.07 [a]	0.24 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

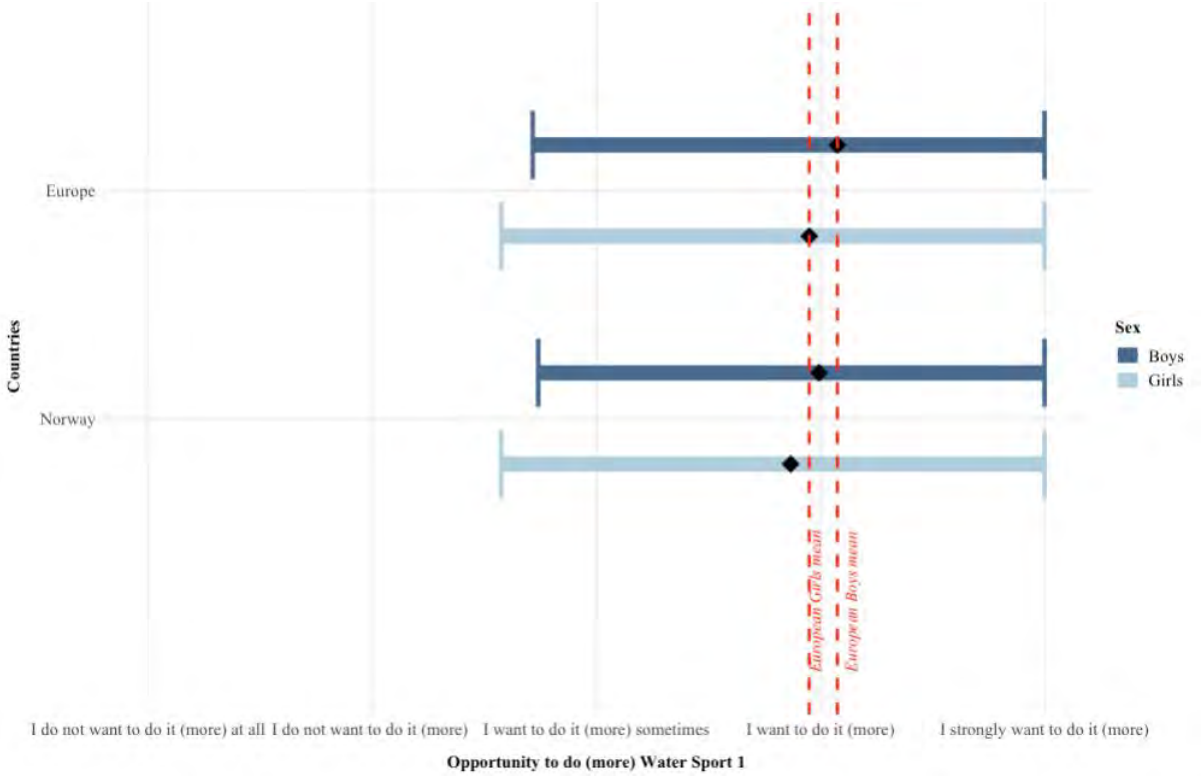


Figure 598. Distribution of the Opportunity to do (more) Water Sport 1according to the Sex in Europe and in Norway (Mean±SD).

Table 1025. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	Boys	162	1,304	0.1	0.04 [a]	0.15 [1]
	Girls	158	1,298	0.13	0.04 [a]	0.14 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1026. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway	Boys *vs* Girls	162	158	0.31	0.05 [a]	0.16 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

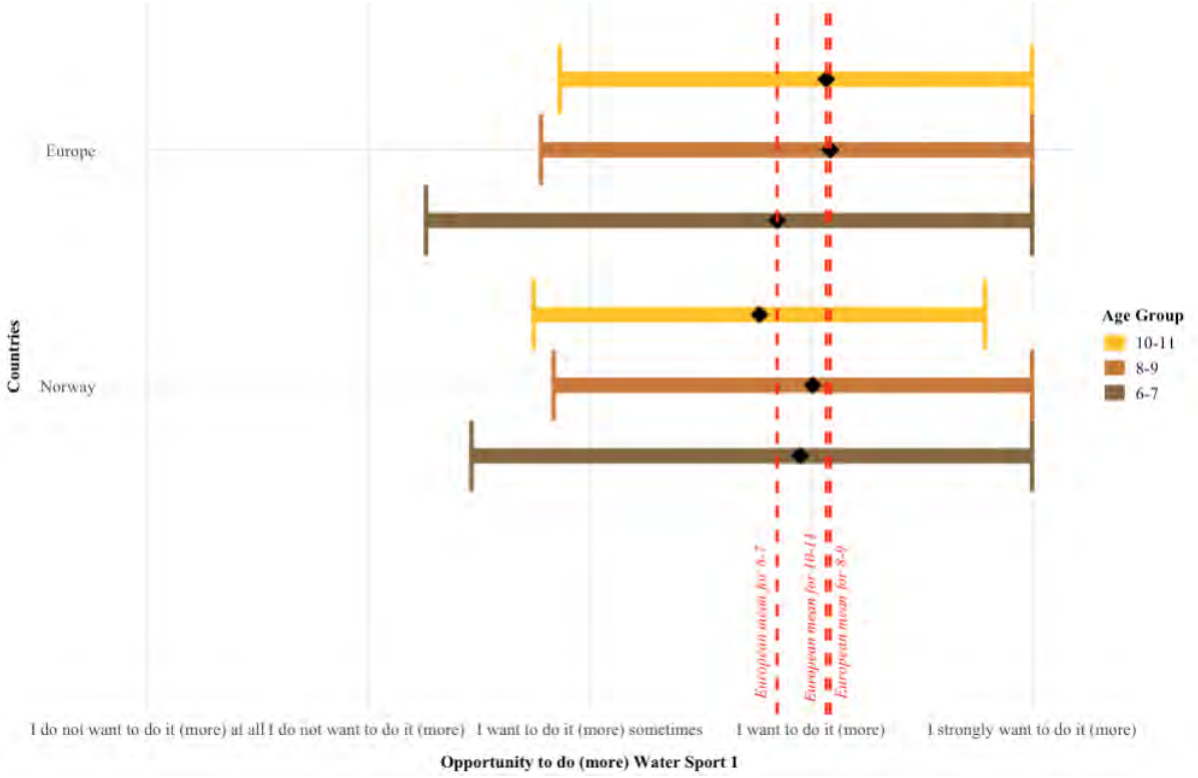


Figure 599. Distribution of the Opportunity to do (more) Water Sport 1according to the Age Group in Europe and in Norway (Mean±SD).

Table 1027. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	123	743	0.64	0.1 [a]	0.06 [1]
	8-9 yo	124	1,052	0.1	0.04 [a]	0.15 [1]
	10-11 yo	73	807	9.5^{e-04} ***	0.1 [a]	0.4 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1028. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	123	124		0.42	0.05 [a]	0.11 [1]
	8-9 yo *vs* 10-11 yo		124	73	0.04 *	0.14 [a]	0.48 [1]
	6-7 yo *vs* 10-11 yo	123		73	0.01 *	0.17 [a]	0.65 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

6. Water sport 2

Overview

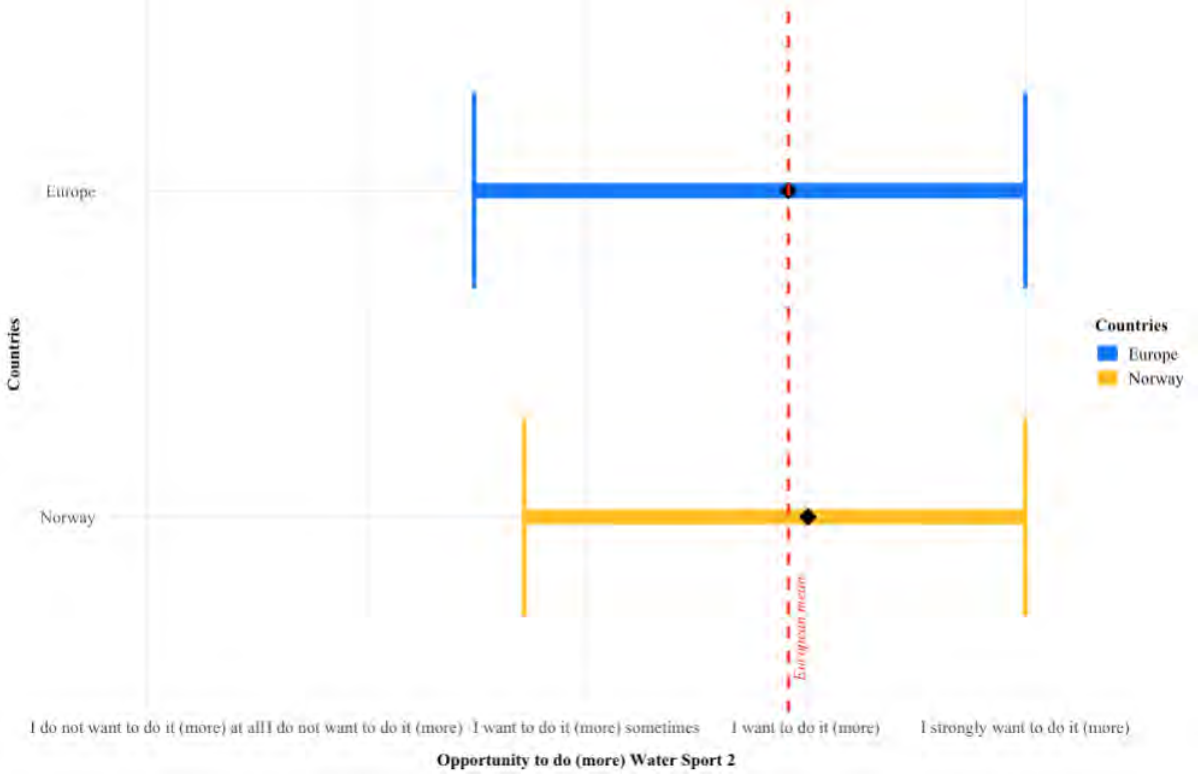


Figure 600. Distribution of the Opportunity to do (more) Water Sport 2 in Europe and in Norway (Mean±SD).

Table 1029. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* **Europe**	319	2,601	0.77	0.01 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

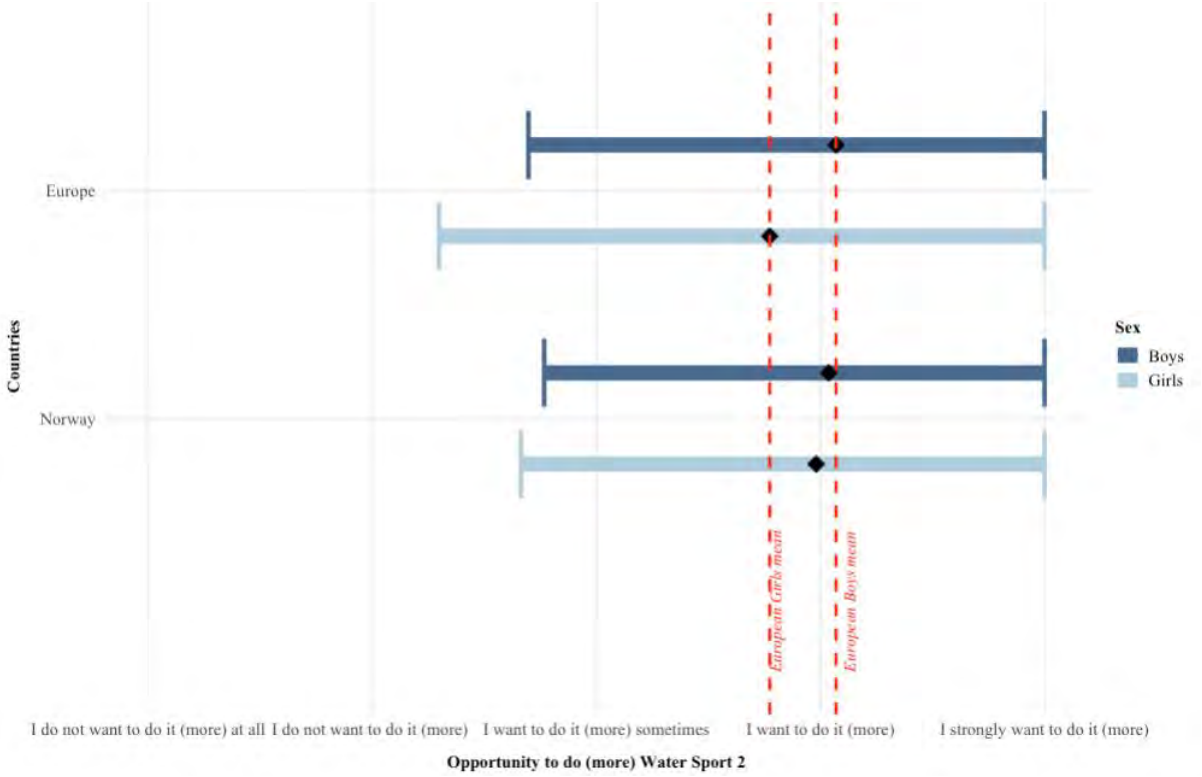


Figure 601. Distribution of the Opportunity to do (more) Water Sport 2 according to the Sex in Europe and in Norway (Mean±SD).

Table 1030. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	Boys	162	1,299	0.31	0.02 [a]	0.09 [1]
	Girls	157	1,302	0.18	0.03 [a]	0.12 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1031. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	Boys *vs* Girls	162	157	0.71	0.02 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

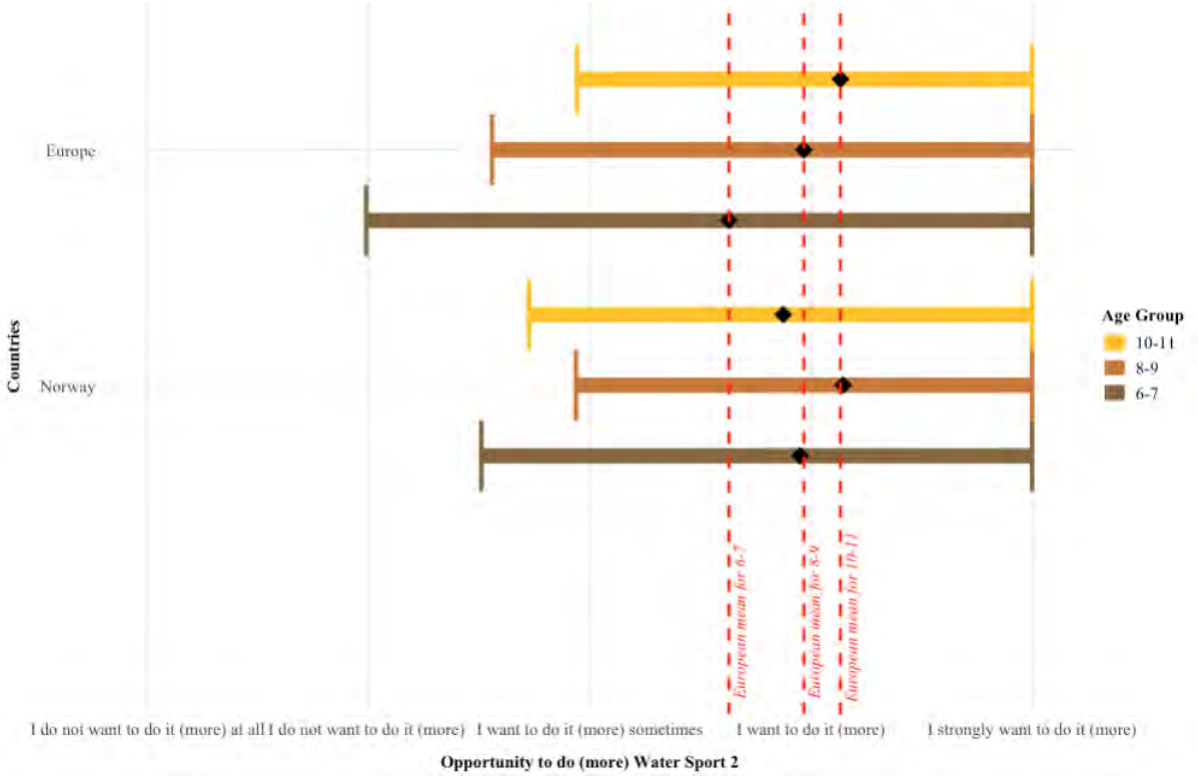


Figure 602. Distribution of the Opportunity to do (more) Water Sport 2 according to the Age Group in Europe and in Norway (Mean±SD).

Table 1032. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	123	748	0.06	0.06 [a]	0.23 [1]
	8-9 yo	124	1,050	0.48	0.02 [a]	0.07 [1]
	10-11 yo	72	803	0.01 *	0.08 [a]	0.24 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1033. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	123	124		0.66	0.02 [a]	0.07 [1]
	8-9 yo *vs* 10-11 yo		124	72	0.03 *	0.14 [a]	0.5 [1]
	6-7 yo *vs* 10-11 yo	123		72	0.15	0.09 [a]	0.25 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

7. Water sport 3

Overview

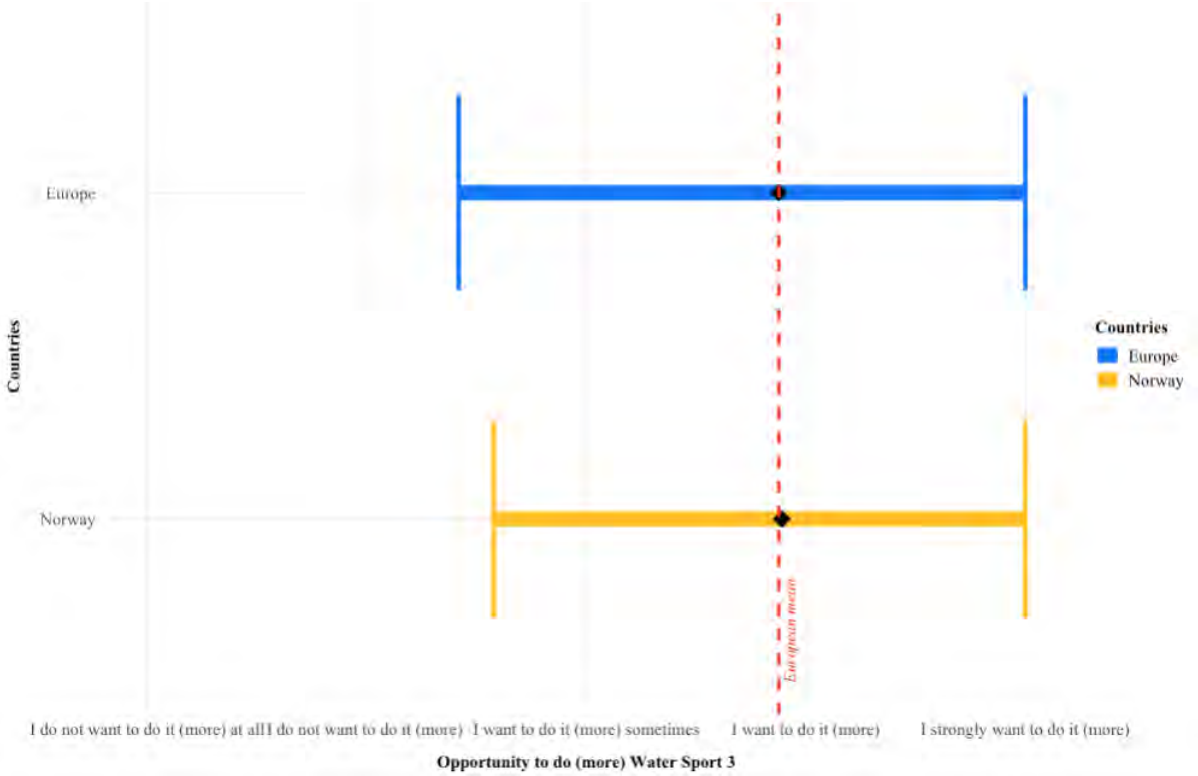


Figure 603. Distribution of the Opportunity to do (more) Water Sport 3 in Europe and in Norway (Mean±SD).

Table 1034. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* **Europe**	320	2,596	0.37	0.03 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

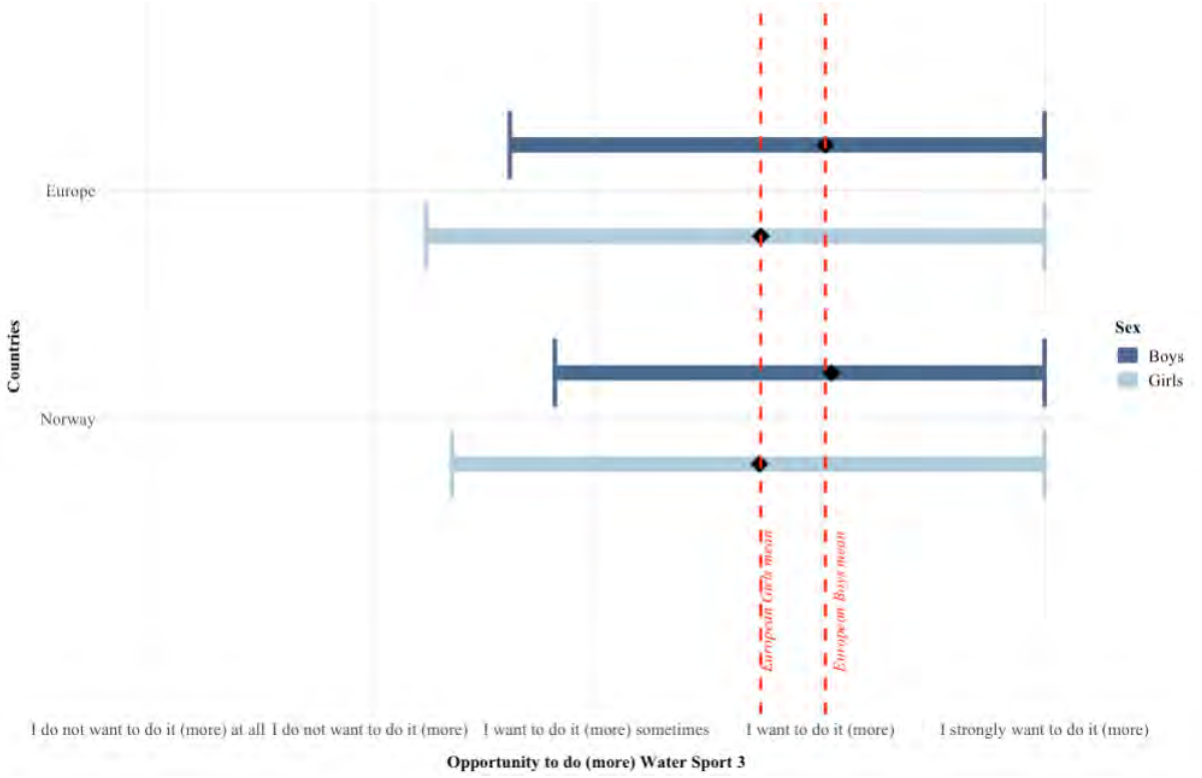


Figure 604. Distribution of the Opportunity to do (more) Water Sport 3 according to the Sex in Europe and in Norway (Mean±SD).

Table 1035. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	Boys	162	1,294	0.54	0.01	0.06 [1]
	Girls	158	1,302	0.49	0.02	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1036. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	Boys *vs* Girls	162	158	0.03 *	0.12	0.55 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

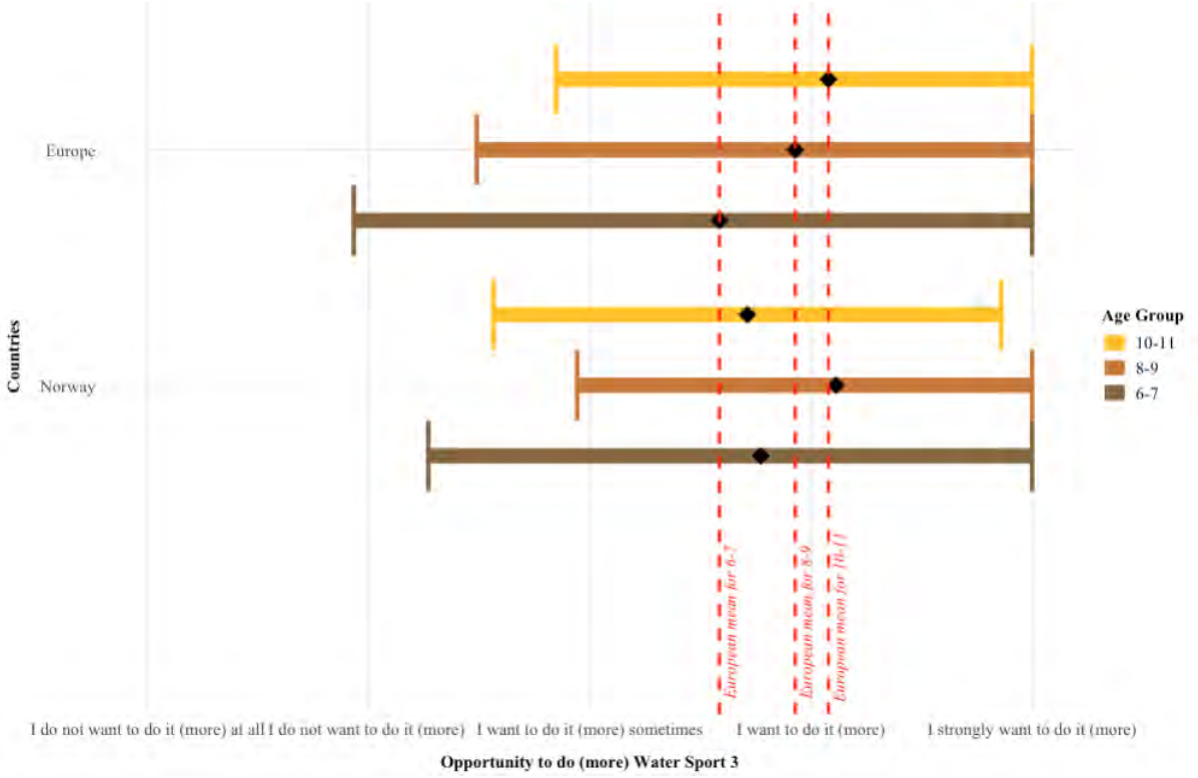


Figure 605. Distribution of the Opportunity to do (more) Water Sport 3 according to the Age Group in Europe and in Norway (Mean±SD).

Table 1037. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	123	746	0.34	0.03 [a]	0.09 [1]
	8-9 yo	124	1,042	0.61	0.01 [a]	0.06 [1]
	10-11 yo	73	808	7.6^{e-04} ***	0.1 [a]	0.4 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1038. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	123	124		0.19	0.08 [a]	0.22 [1]
	8-9 yo *vs* 10-11 yo		124	73	0.005 **	0.19 [a]	0.73 [2]
	6-7 yo *vs* 10-11 yo	123		73	0.22	0.08 [a]	0.2 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

8. Water sport 4

Overview

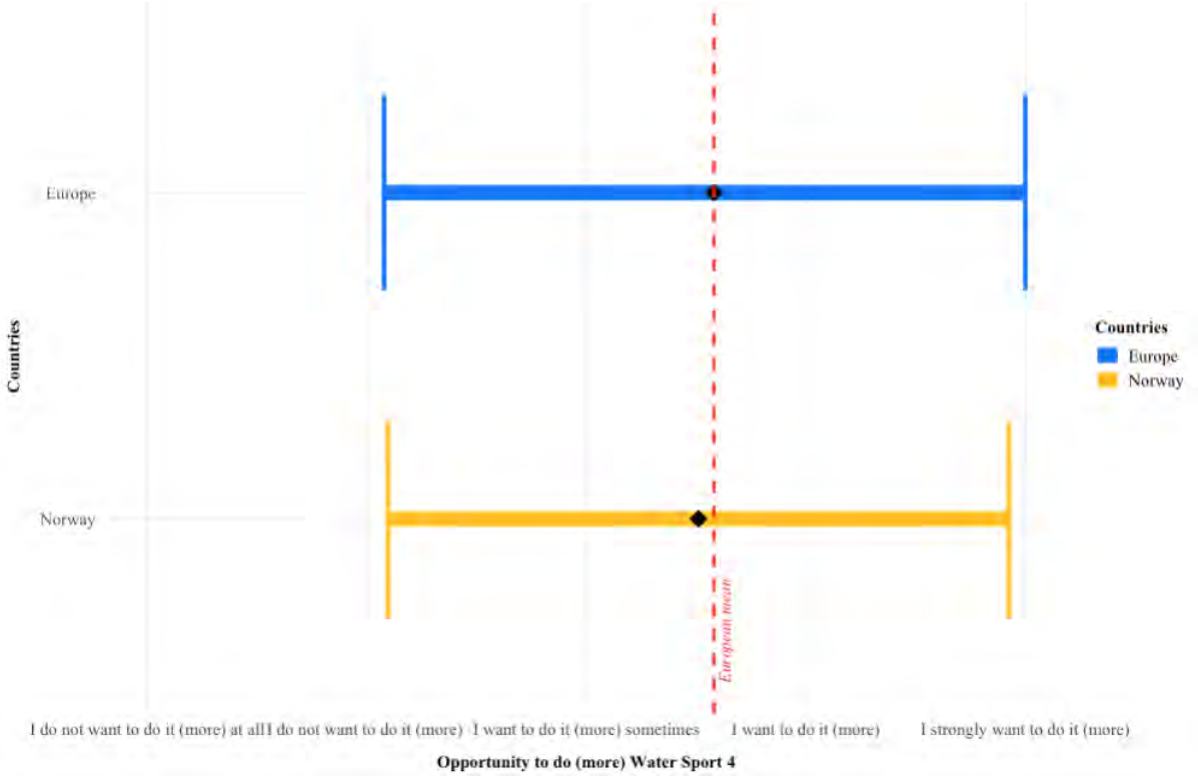


Figure 606. Distribution of the Opportunity to do (more) Water Sport 4 in Europe and in Norway (Mean±SD).

Table 1039. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	319	2,607	0.18	0.05 [a]	0.12 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

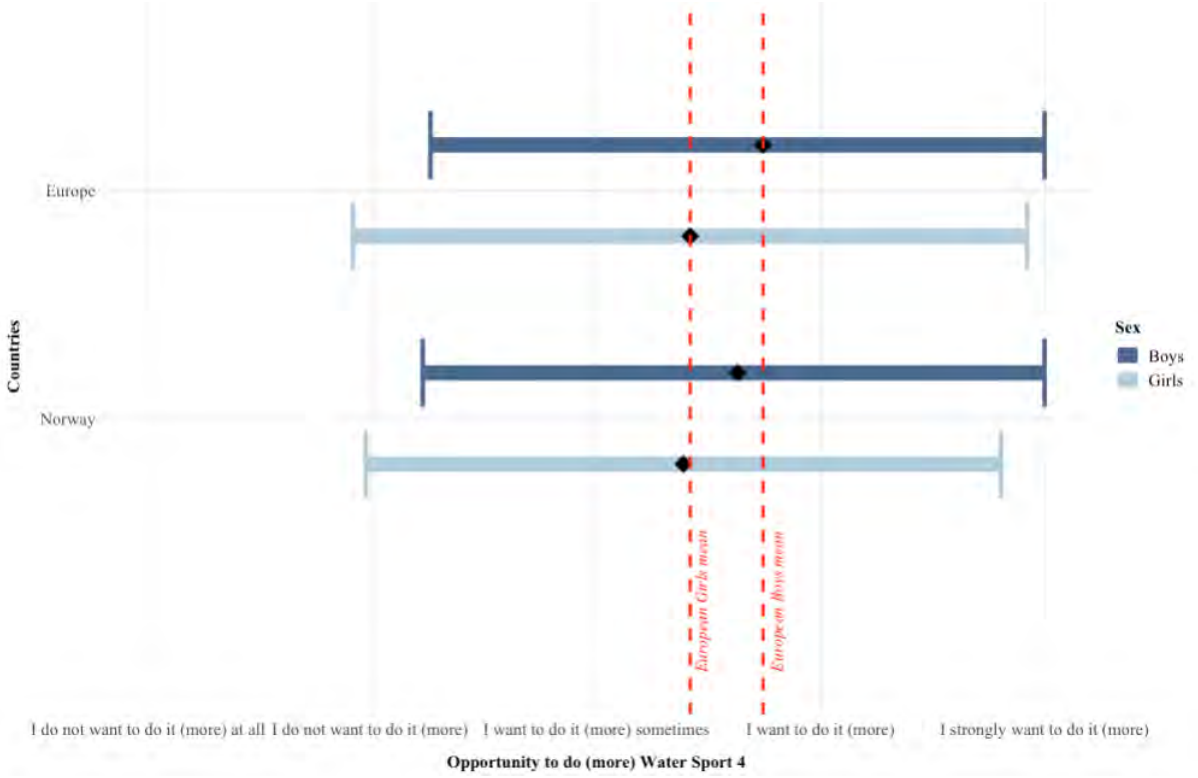


Figure 607. Distribution of the Opportunity to do (more) Water Sport 4 according to the Sex in Europe and in Norway (Mean±SD).

Table 1040. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	Boys	162	1,304	0.16	0.03 [a]	0.13 [1]
	Girls	157	1,303	0.61	0.01 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1041. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	Boys *vs* Girls	162	157	0.1	0.09 [a]	0.35 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

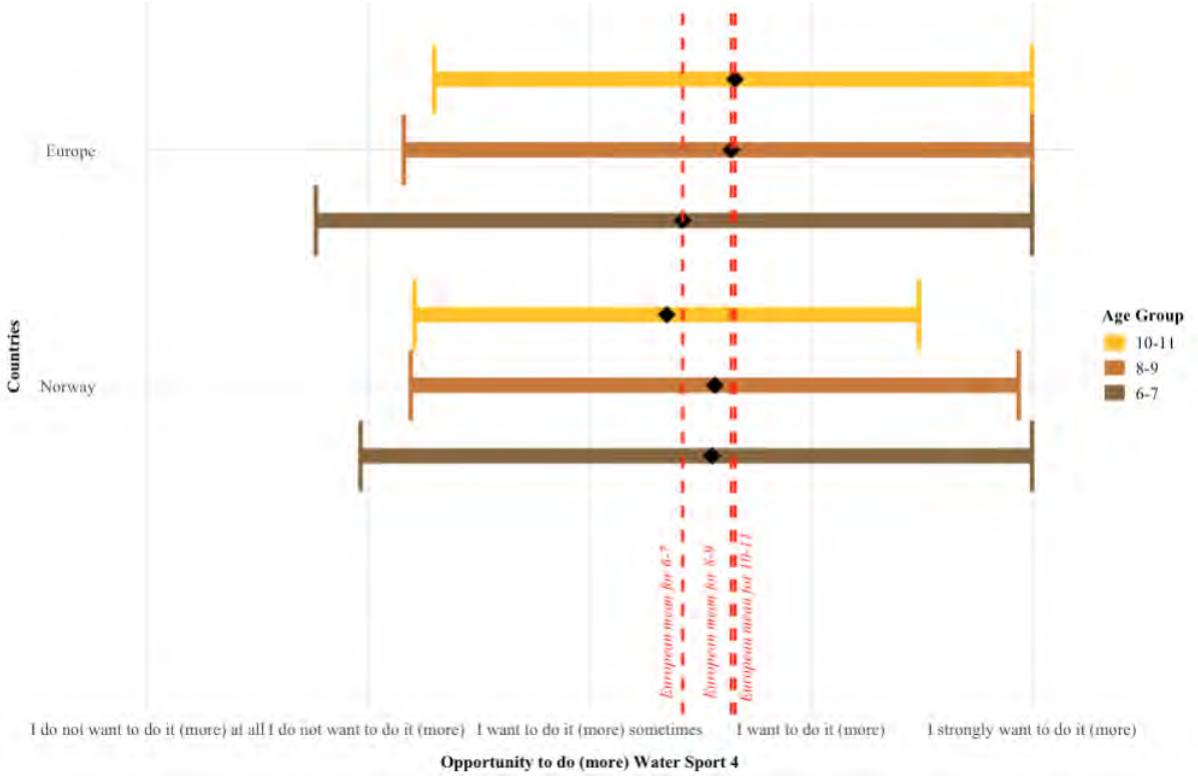


Figure 608. Distribution of the Opportunity to do (more) Water Sport 4 according to the Age Group in Europe and in Norway (Mean±SD).

Table 1042. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	124	755	0.46	0.02 [a]	0.08 [1]
	8-9 yo	124	1,048	0.34	0.03 [a]	0.09 [1]
	10-11 yo	72	804	0.01 **	0.08 [a]	0.28 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1043. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	123	124		0.68	0.02 [a]	0.07 [1]
	8-9 yo *vs* 10-11 yo		124	72	0.13	0.1 [a]	0.29 [1]
	6-7 yo *vs* 10-11 yo	123		72	0.08	0.12 [a]	0.38 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

f. Risk perceptions

1. Low risks in the swimming pool

Overview

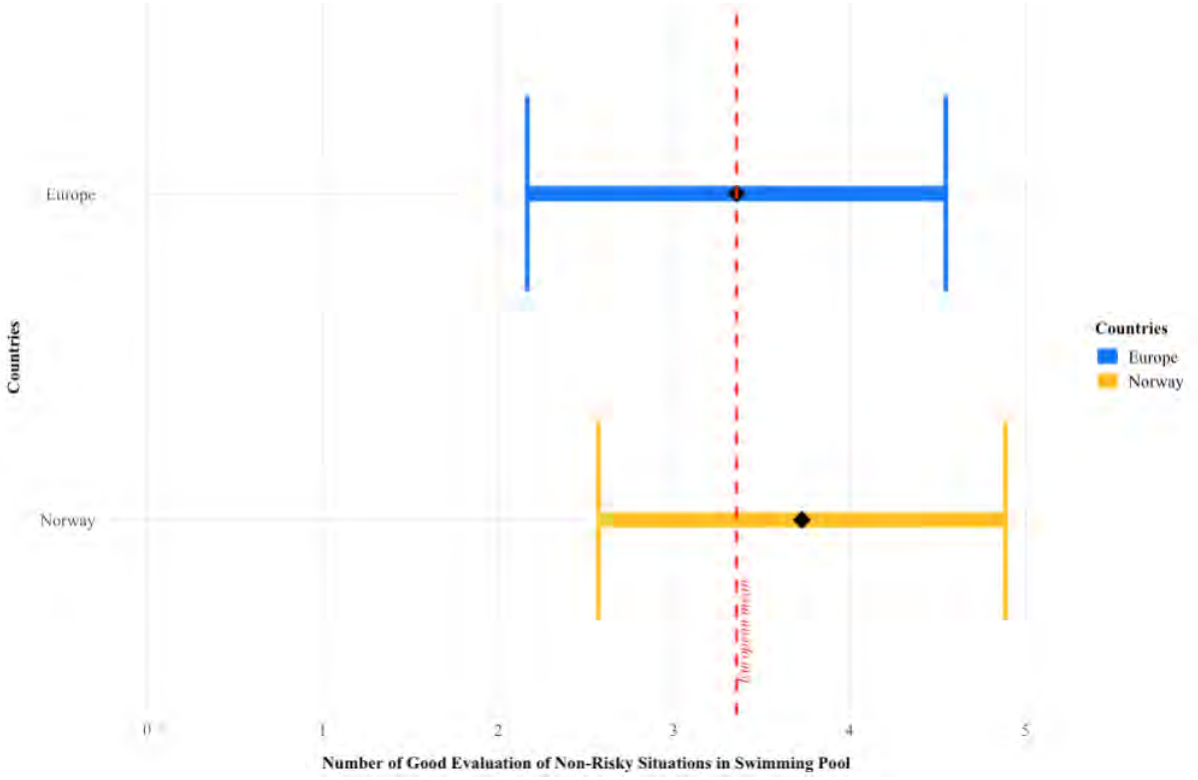


Figure 609. Distribution of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Europe and in Norway (Mean±SD).

Table 1044. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	319	2,669	4.01^{e-08} ***	0.19 [a]	0.91 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

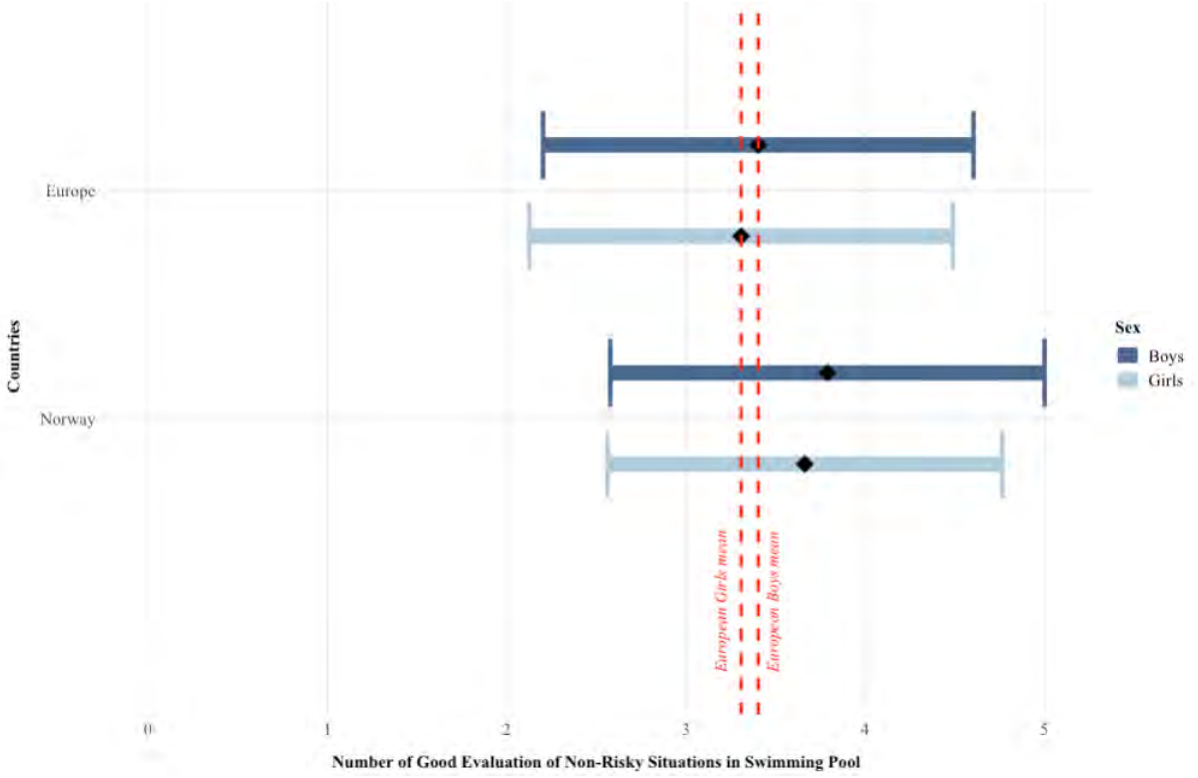


Figure 610. Distribution of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool according to the Sex in Europe and in Norway (Mean±SD).

Table 1045. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	Boys	162	1,335	2.74^{e-05} ***	0.1 [a]	0.72 [2]
	Girls	157	1,334	3.12^{e-04} ***	0.09 [a]	0.57 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1046. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway	Boys *vs* Girls	162	157	0.16	0.07 [a]	0.27 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

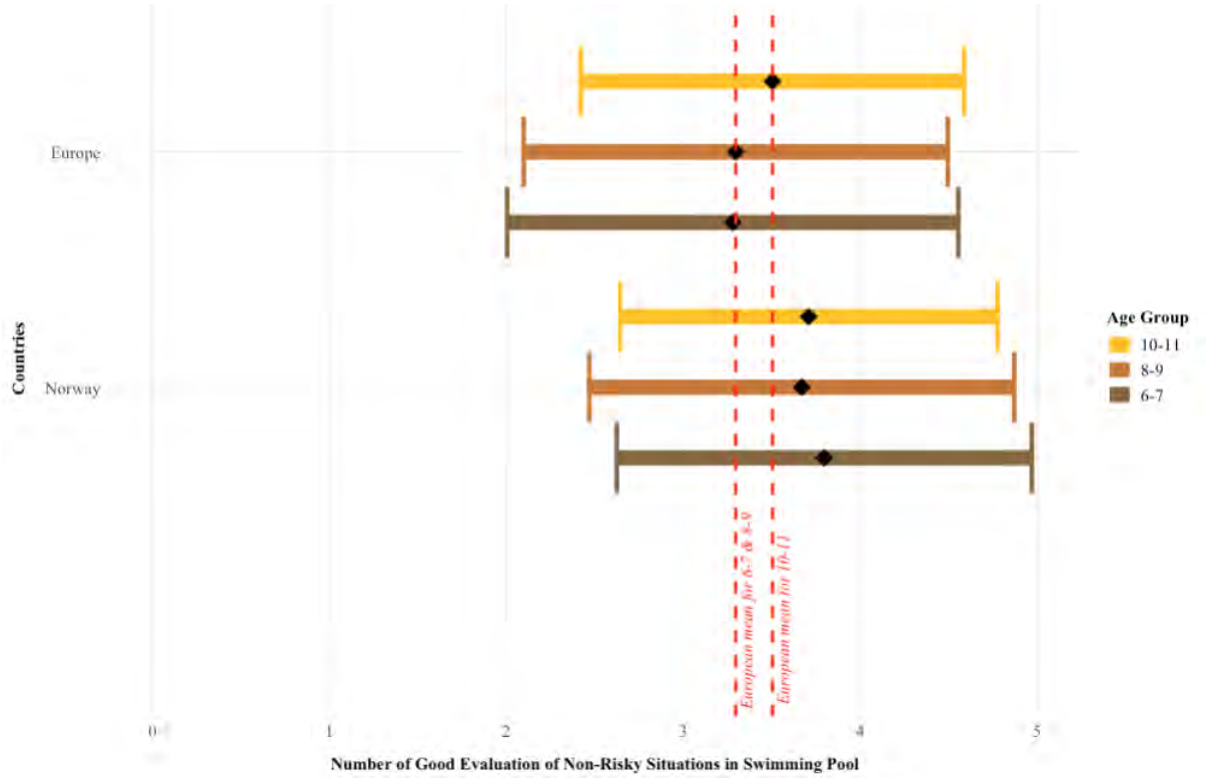


Figure 611. Distribution of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool according to the Age Group in Europe and in Norway (Mean±SD).

Table 1047. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	123	776	1.15^{e-05} ***	0.14 [a]	0.84 [3]
	8-9 yo	124	1,073	5.08^{e-04} ***	0.1 [a]	0.54 [2]
	10-11 yo	72	820	0.17	0.04 [a]	0.11 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1048. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	123	124		0.36	0.06 [a]	0.14 [1]
	8-9 yo *vs* 10-11 yo		124	72	0.94	0.005 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	123		72	0.38	0.06 [a]	0.13 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

2. High risks in the swimming pool

Overview

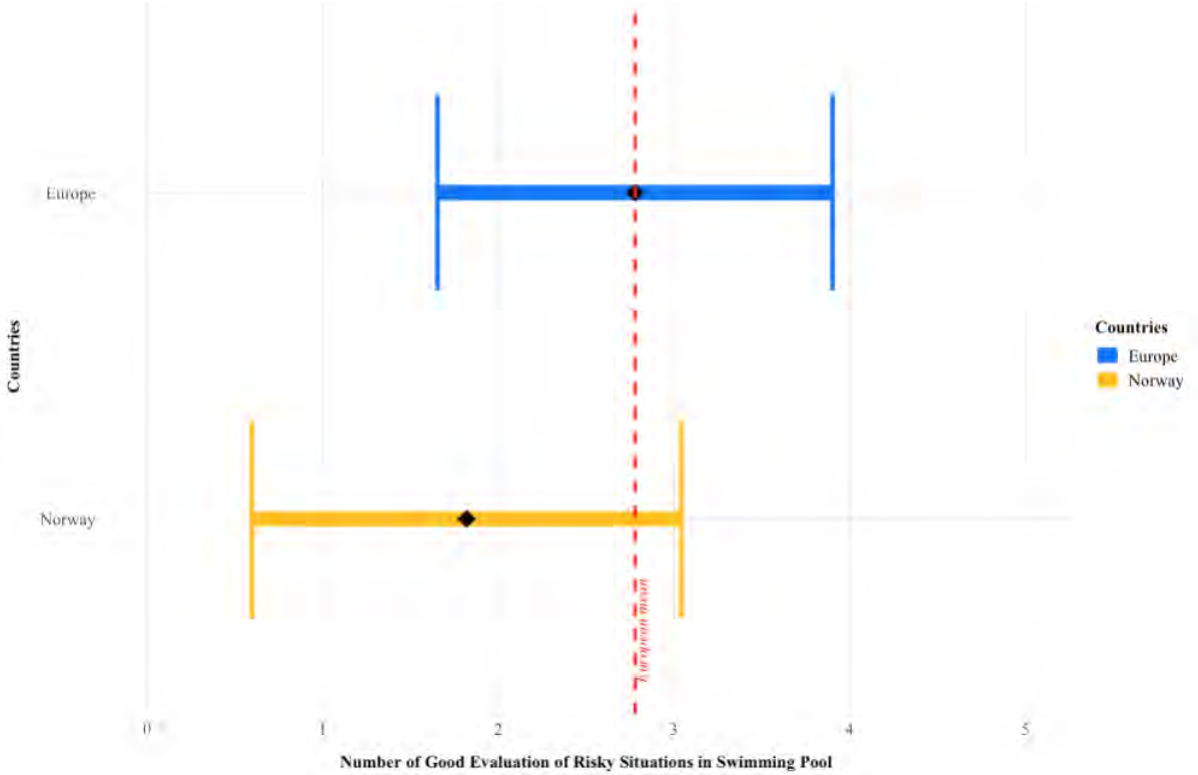


Figure 612. Distribution of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Europe and in Norway (Mean±SD).

Table 1049. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	318	2,667	2^{e-38} ***	0.23 [b]	0.47 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

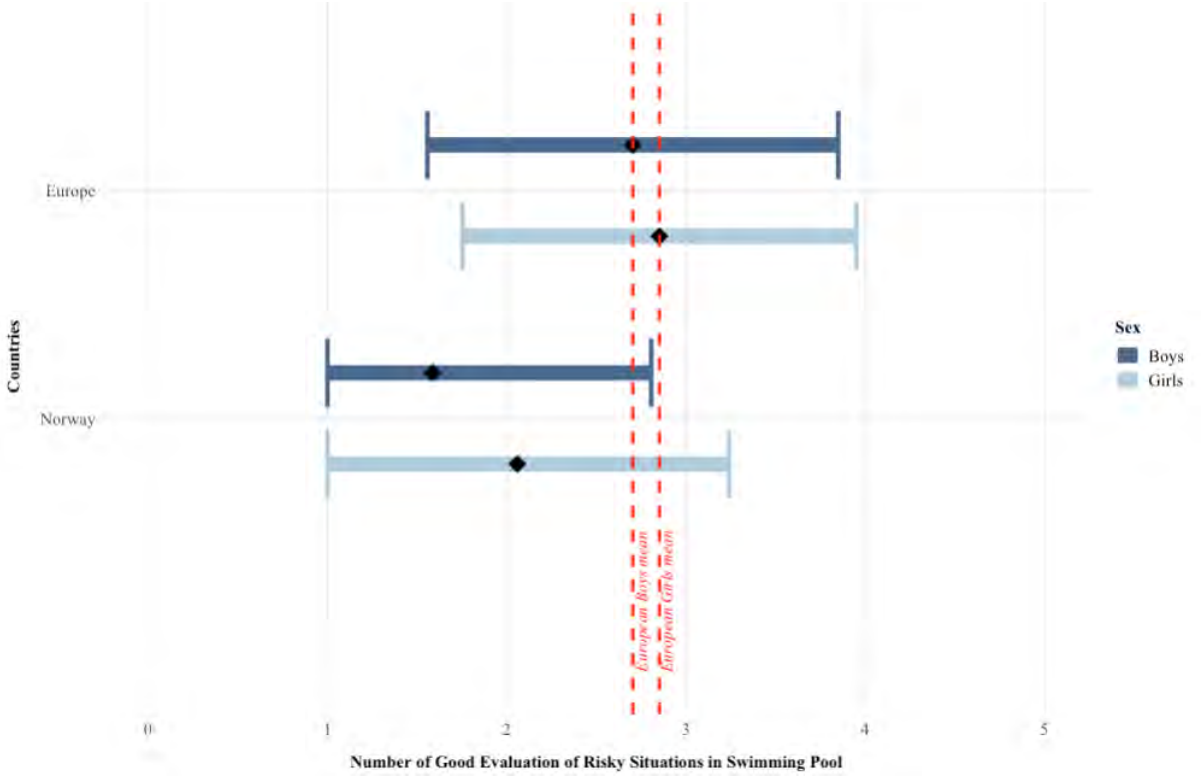


Figure 613. Distribution of the Number of Good Evaluation of Risky Situations in the Swimming Pool according to the Sex in Europe and in Norway (Mean±SD).

Table 1050. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	Boys	162	1,334	8.54^{e-26} ***	0.26 [b]	1 [4]
	Girls	156	1,333	3.78^{e-15} ***	0.2 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1051. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway	Boys *vs* Girls	162	156	5.25^{e-04} ***	0.19 [a]	0.93 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

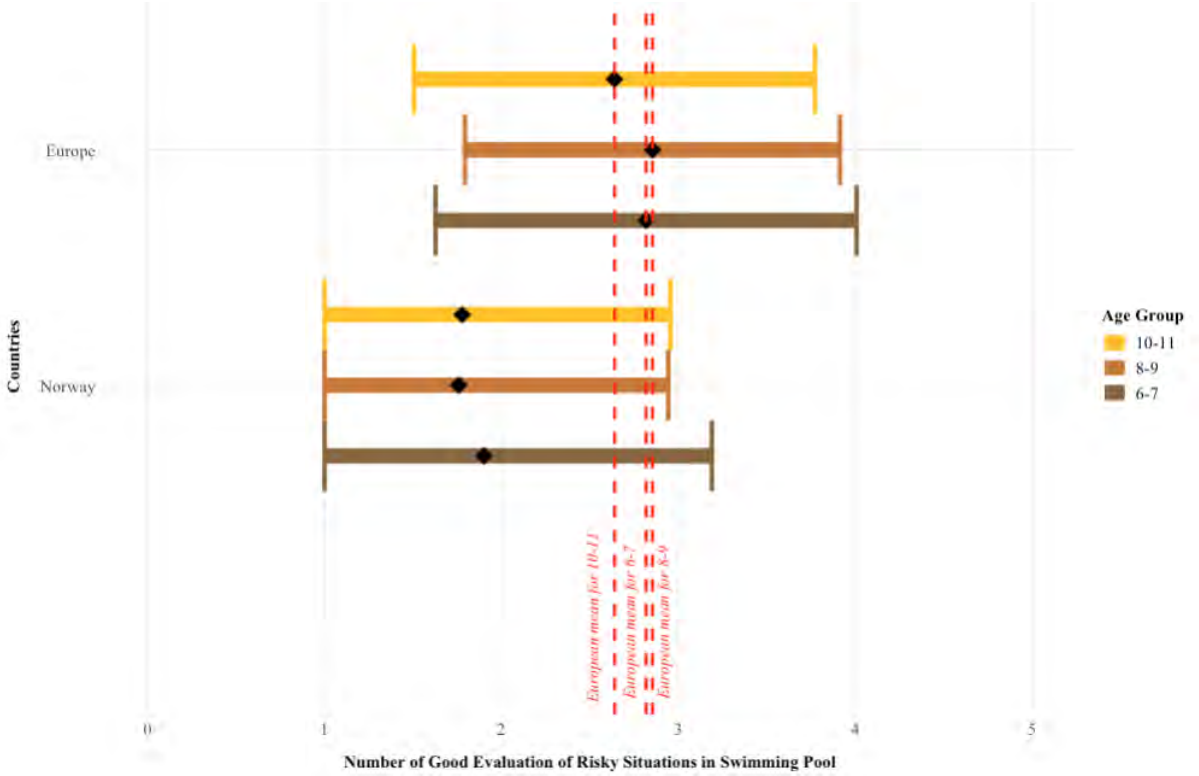


Figure 614. Distribution of the Number of Good Evaluation of Risky Situations in the Swimming Pool according to the Age Group in Europe and in Norway (Mean±SD).

Table 1052. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	122	774	1.17^{e-12} ***	0.23 [b]	1 [4]
	8-9 yo	124	1,073	2.91^{e-21} ***	0.26 [b]	1 [4]
	10-11 yo	72	820	4.72^{e-09} ***	0.19 [a]	0.88 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1053. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	122	124		0.33	0.06 [a]	0.15 [1]
	8-9 yo *vs* 10-11 yo		124	72	0.86	0.01 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	122		72	0.49	0.05 [a]	0.1 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

3. Low risks in open water

Overview

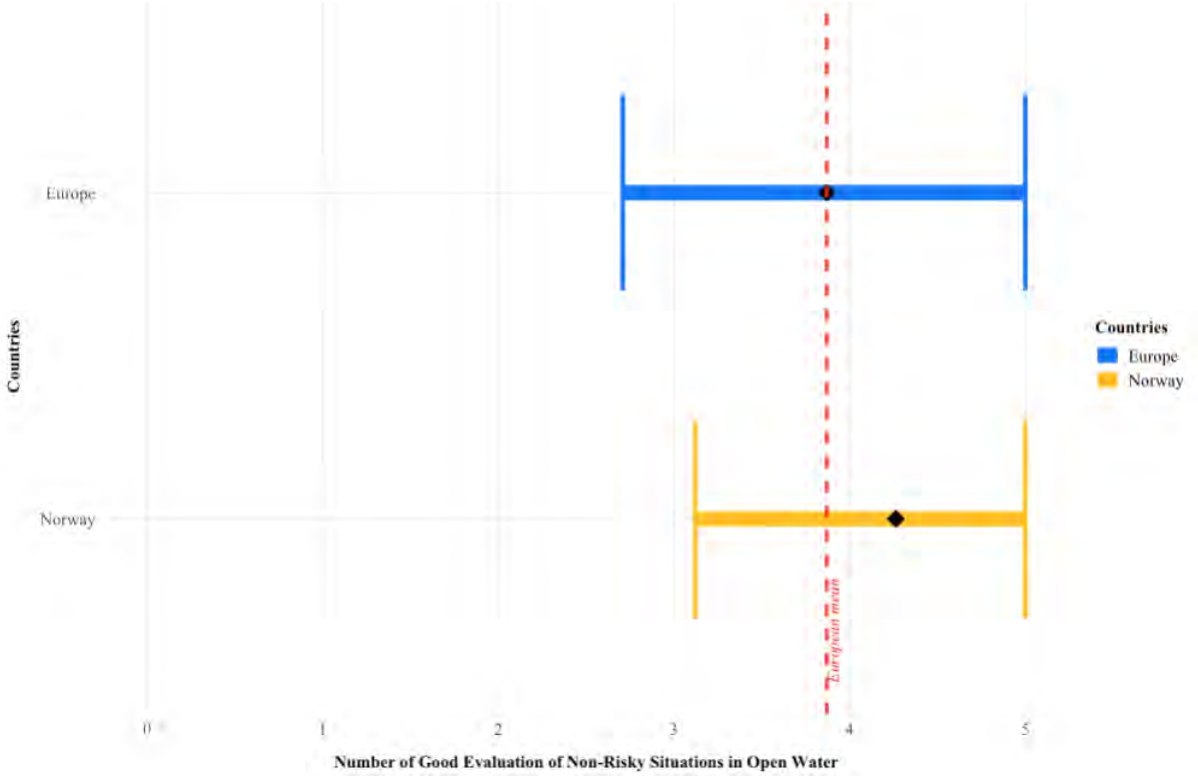


Figure 615. Distribution of the Number of Good Evaluation of Non-Risky Situations in Open Water in Europe and in Norway (Mean±SD).

Table 1054. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	316	2,664	2.28^{e-12} ***	0.25 [b]	0.98 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

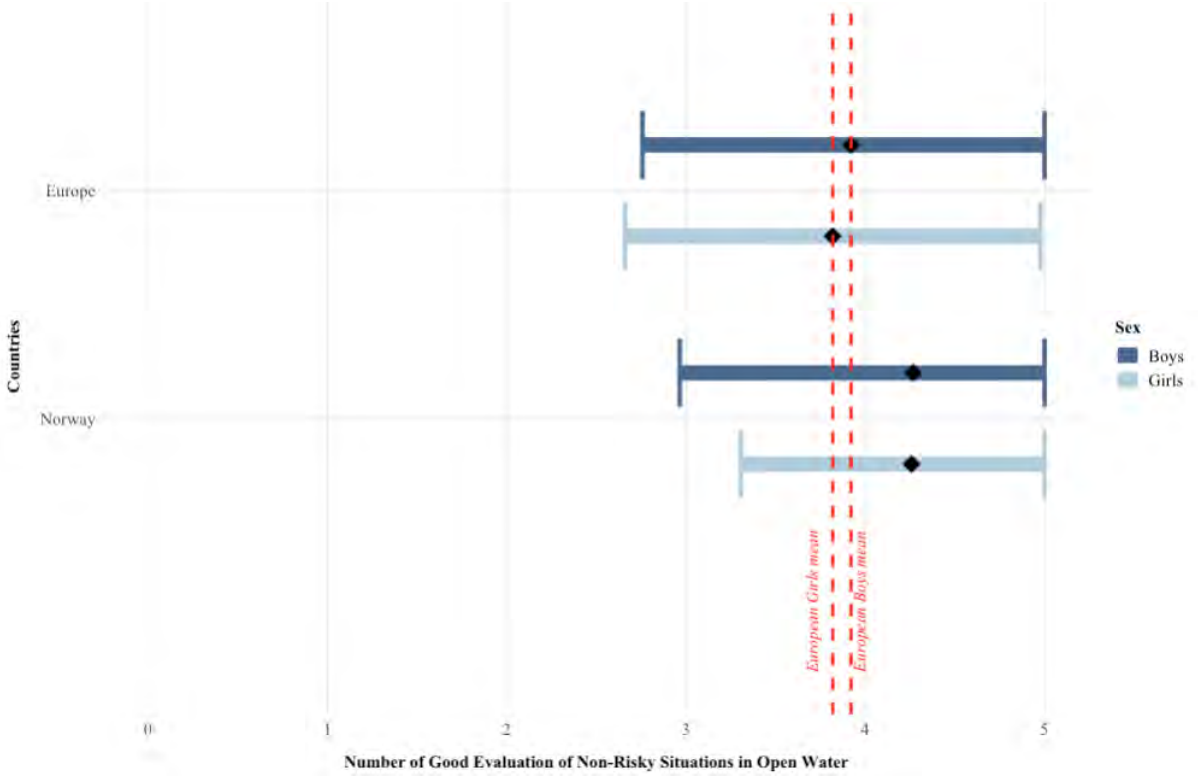


Figure 616. Distribution of the Number of Good Evaluation of Non-Risky Situations in Open Water according to the Sex in Europe and in Norway (Mean±SD).

Table 1055. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	Boys	161	1,333	1.54^{e-07} ***	0.13 [a]	0.87 [3]
	Girls	155	1,331	1.22^{e-06} ***	0.12 [a]	0.79 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1056. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway	Boys *vs* Girls	161	155	0.05	0.1 [a]	0.4 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

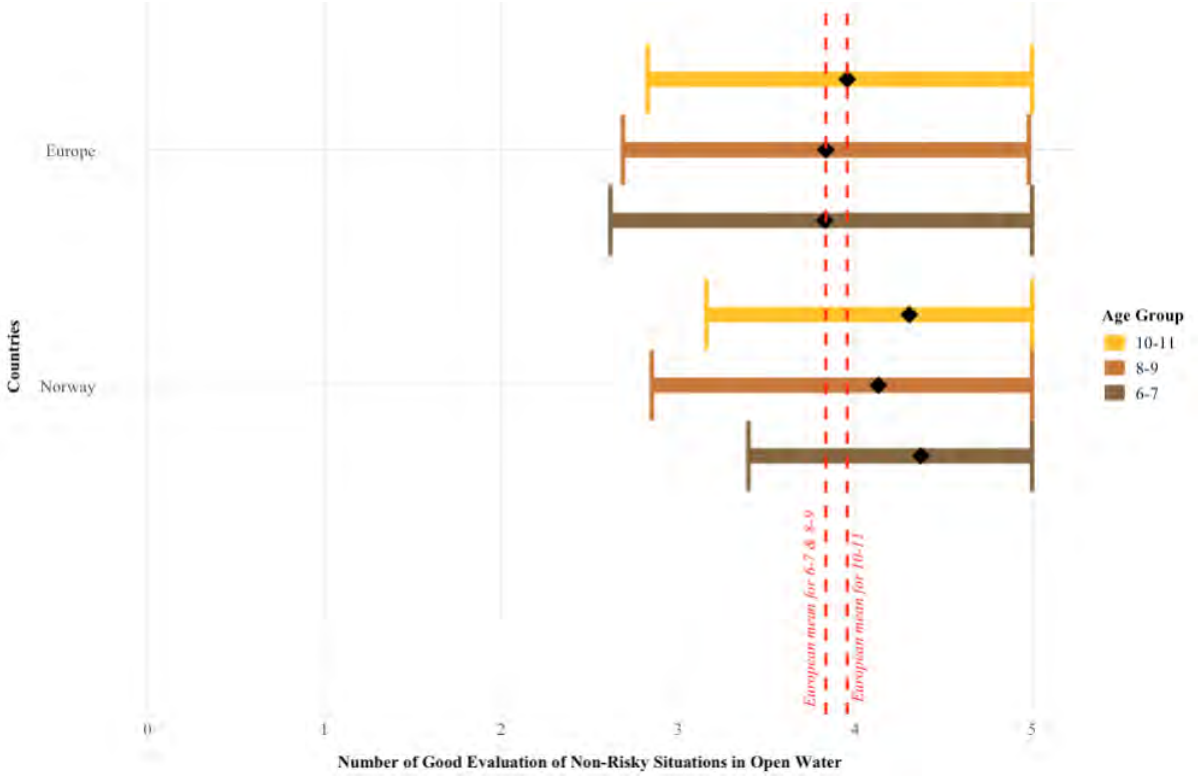


Figure 617. Distribution of the Number of Good Evaluation of Non-Risky Situations in Open Water according to the Age Group in Europe and in Norway (Mean±SD).

Table 1057. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	121	773	3.37^{e-07} ***	0.16 [a]	0.92 [4]
	8-9 yo	123	1,074	1.63^{e-04} ***	0.1 [a]	0.59 [2]
	10-11 yo	72	817	0.001 **	0.1 [a]	0.39 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1058. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	121	123		0.29	0.06 [a]	0.16 [1]
	8-9 yo *vs* 10-11 yo		123	72	0.44	0.05 [a]	0.1 [1]
	6-7 yo *vs* 10-11 yo	121		72	0.92	0.006 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

4. High risks in open water

Overview

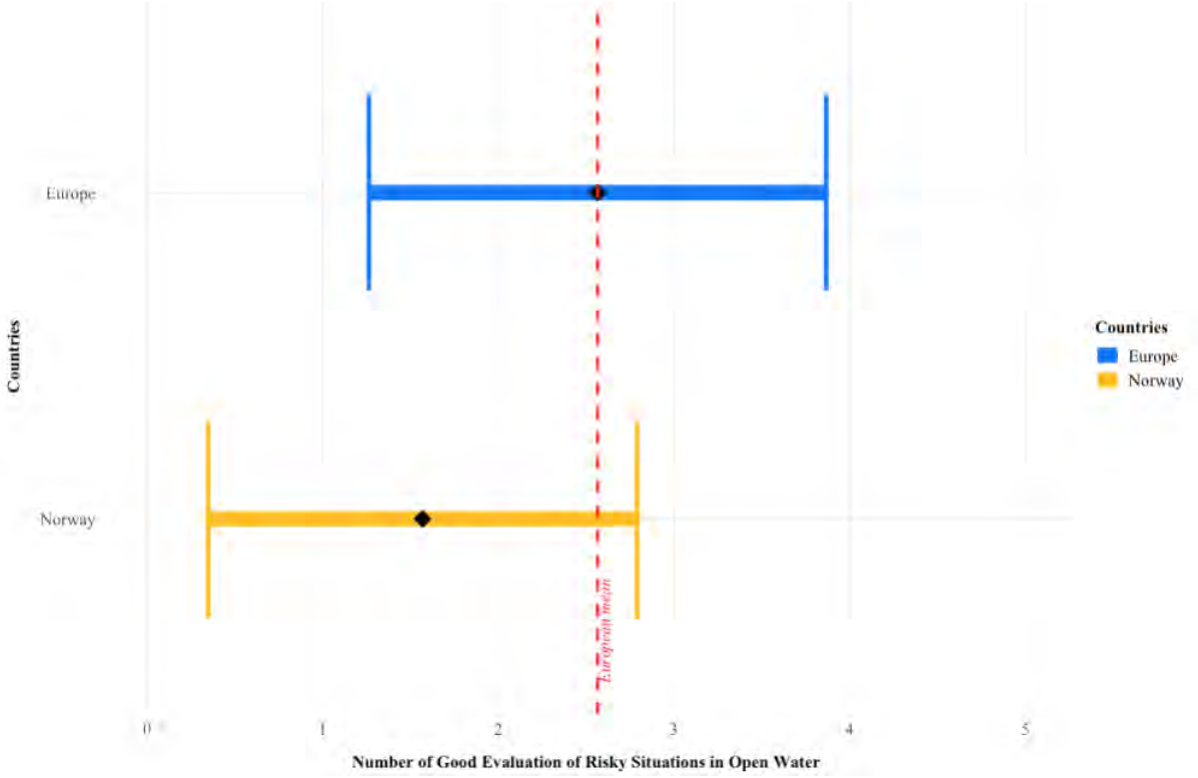


Figure 618. Distribution of the Number of Good Evaluation of Risky Situations in Open Water in Europe and in Norway (Mean±SD).

Table 1059. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	317	2,662	6.25^{-36} ***	0.22 [b]	0.46 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

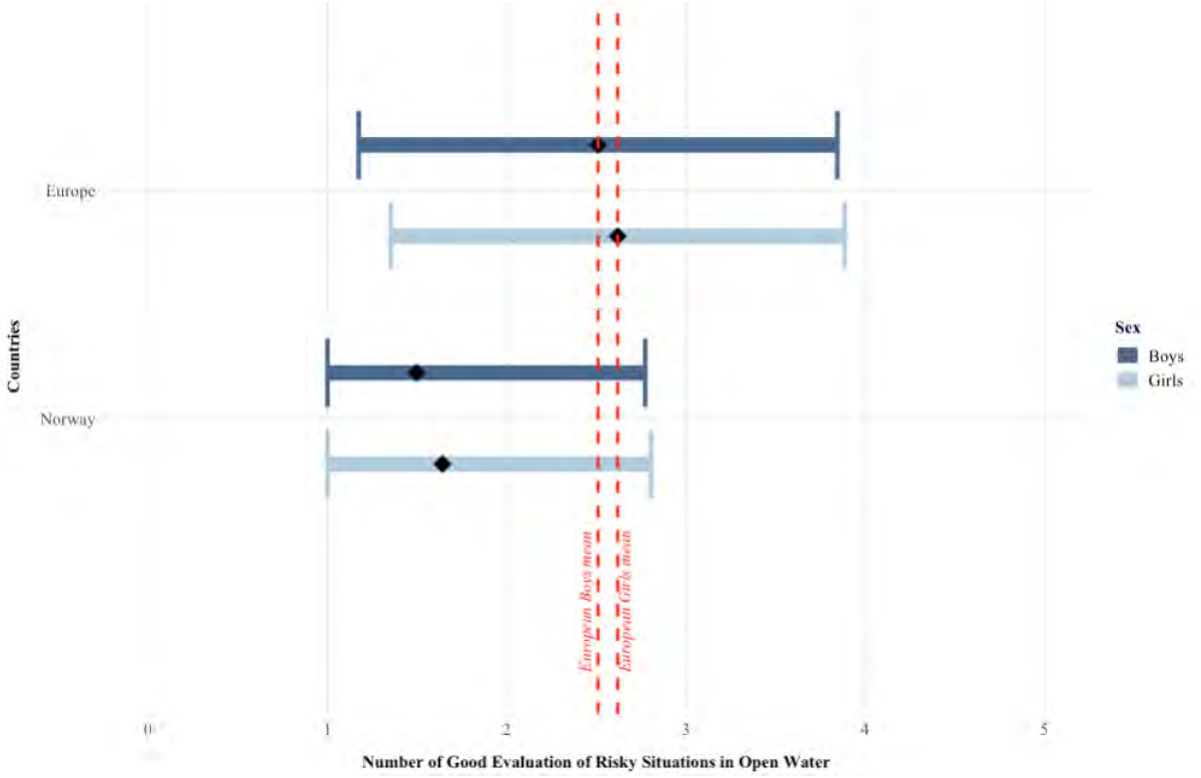


Figure 619. Distribution of the Number of Good Evaluation of Risky Situations in Open Water according to the Sex in Europe and in Norway (Mean±SD).

Table 1060. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	Boys	161	1,333	1.59^{e-18} ***	0.22 [b]	1 [4]
	Girls	156	1,329	4.26^{e-19} ***	0.23 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1061. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway	Boys *vs* Girls	161	156	0.23	0.06 [a]	0.21 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

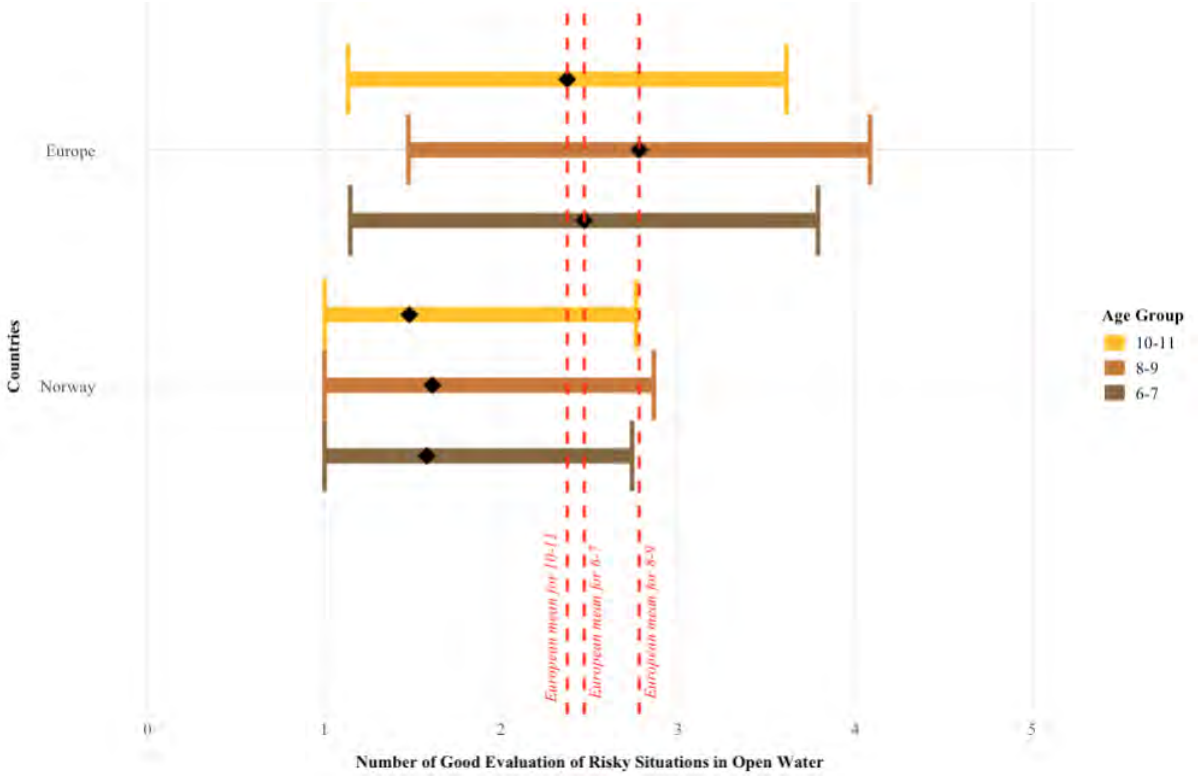


Figure 620. Distribution of the Number of Good Evaluation of Risky Situations in Open Water according to the Age Group in Europe and in Norway (Mean±SD).

Table 1062. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	121	772	9.47^{e-12} ***	0.22 [b]	1 [4]
	8-9 yo	123	1,073	6.59^{e-19} ***	0.25 [b]	1 [4]
	10-11 yo	73	817	8.53^{e-09} ***	0.19 [a]	0.88 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1063. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	121	123		0.98	0.001 [a]	0.05 [1]
	8-9 yo *vs* 10-11 yo		123	73	0.39	0.06 [a]	0.12 [1]
	6-7 yo *vs* 10-11 yo	121		73	0.39	0.06 [a]	0.13 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

D. Isolated task

Descriptive analysis

Table 1064. Number of children who did the Isolated Tasks test.

Country	Sex	Age group	Entry in the water (n=)	Exit from the water (n=)	Propulsion on the belly (n=)	Floating (n=)
Europe	Boys	6-7	296	296	289	290
		8-9	488	488	482	481
		10-11	349	349	340	340
	Girls	6-7	311	311	303	308
		8-9	450	450	445	450
		10-11	349	349	338	337
Norway	Boys	6-7	50	50	44	44
		8-9	63	63	63	62
		10-11	34	34	34	34
	Girls	6-7	64	64	59	59
		8-9	42	42	42	42
		10-11	35	35	34	35
Total			**2,531**	**2,531**	**2,473**	**2,482**

Country	Sex	Age group	Propulsion on the Back (n=)	Breathing (n=)	Treading water (n=)	Submersion (n=)	Rotations (n=)
Europe	Boys	6-7	283	240	292	289	219
		8-9	478	459	483	481	405
		10-11	335	334	349	347	304
	Girls	6-7	299	269	308	306	237
		8-9	443	413	448	445	349
		10-11	339	338	347	349	306
Norway	Boys	6-7	42	37	45	43	19
		8-9	61	62	62	62	44
		10-11	34	34	34	34	19
	Girls	6-7	54	58	60	56	26
		8-9	42	39	42	42	30
		10-11	34	35	34	34	22
Total			**2,444**	**2,318**	**2,504**	**2,488**	**1,980**

Notes. Europe: Belgium, France, Germany, Lithuania, Poland and Portugal.

Table 1065. Descriptive analyse of the Isolated Tasks test.

Country	Sex	Age group	Entry in the water Mean (±SD)	Exit from the water Mean (±SD)	Propulsion on the belly Mean (±SD)	Floating Mean (±SD)
Europe	Boys	6-7	2.45 (±1.73)	3.24 (±1.83)	12.74 (±16.5)	4.37 (±5.67)
		8-9	3.47 (±1.55)	4 (±1.47)	29.05 (±23.32)	8.75 (±6.15)
		10-11	4.15 (±1.26)	4.52 (±1.13)	45.95 (±22.22)	10.36 (±5.35)
	Girls	6-7	2.2 (±1.83)	2.94 (±1.83)	13.31 (±17.78)	5.07 (±5.99)
		8-9	3.09 (±1.55)	3.62 (±1.68)	27.67 (±23.35)	9.06 (±6.39)
		10-11	3.82 (±1.41)	4.2 (±1.39)	45.95 (±22.85)	11 (±5.25)
Norway	Boys	6-7	2.44 (±2.01)	3.12 (±1.91)	11.78 (±15.19)	6.14 (±6.38)
		8-9	3.86 (±1.5)	4.4 (±1.56)	38.05 (±20.95)	11.23 (±5.25)
		10-11	4.45 (±1.16)	4.45 (±1.51)	47.89 (±19.51)	12.09 (±3.83)
	Girls	6-7	2.07 (±1.79)	2.91 (±1.88)	11.94 (±14.17)	7.7 (±6.73)
		8-9	4 (±1.42)	4.22 (±1.39)	33.43 (±20.04)	10.24 (±5.98)
		10-11	4.32 (±1.08)	4.26 (±1.62)	52.42 (±19.82)	12.15 (±4.66)

Country	Sex	Age group	Propulsion on the back Mean (±SD)	Breathing Mean (±SD)	Treading water Mean (±SD)	Submersion Mean (±SD)	Rotations Mean (±SD)
Europe	Boys	6-7	13.39 (±17.88)	3.12 (±1.57)	28.43 (±41.22)	0.86 (±1.41)	1.95 (±1.78)
		8-9	30.31 (±23.97)	4.04 (±1.37)	63.74 (±50.4)	2.26 (±2.84)	3.23 (±1.72)
		10-11	42.61 (±21.72)	4.46 (±1.1)	93.48 (±42.53)	3.72 (±3.41)	3.97 (±1.37)
	Girls	6-7	13.65 (±18.85)	3.17 (±1.56)	27.57 (±42.06)	0.78 (±1.5)	1.89 (±1.82)
		8-9	29.63 (±24.65)	3.89 (±1.42)	62.88 (±50.4)	2.01 (±2.39)	3.07 (±1.7)
		10-11	42.62 (±21.44)	4.28 (±1.2)	91.83 (±44.6)	3.7 (±3.42)	4 (±1.45)
Norway	Boys	6-7	9.96 (±13.27)	3.28 (±1.7)	27.16 (±38.31)	0.64 (±1.08)	2.79 (±1.4)
		8-9	36.97 (±19.83)	4.55 (±1.06)	86.86 (±45.79)	2.66 (±2.25)	3.78 (±1.42)
		10-11	45.18 (±18.19)	4.5 (±1.06)	102.59 (±36.81)	3.46 (±2.77)	4.06 (±1.03)
	Girls	6-7	13.76 (±16.6)	3.14 (±1.69)	33.3 (±42.31)	0.75 (±1.09)	2.31 (±1.62)
		8-9	34.05 (±19.59)	4.18 (±1.34)	73.84 (±49.16)	2.22 (±2.2)	3.5 (±1.76)
		10-11	51.89 (±17.71)	4.69 (±0.97)	105.5 (±34.95)	3.83 (±2.66)	4.5 (±0.97)

Notes. Europe: Belgium, France, Germany, Lithuania, Poland and Portugal.

a. Entry in the water

Overview

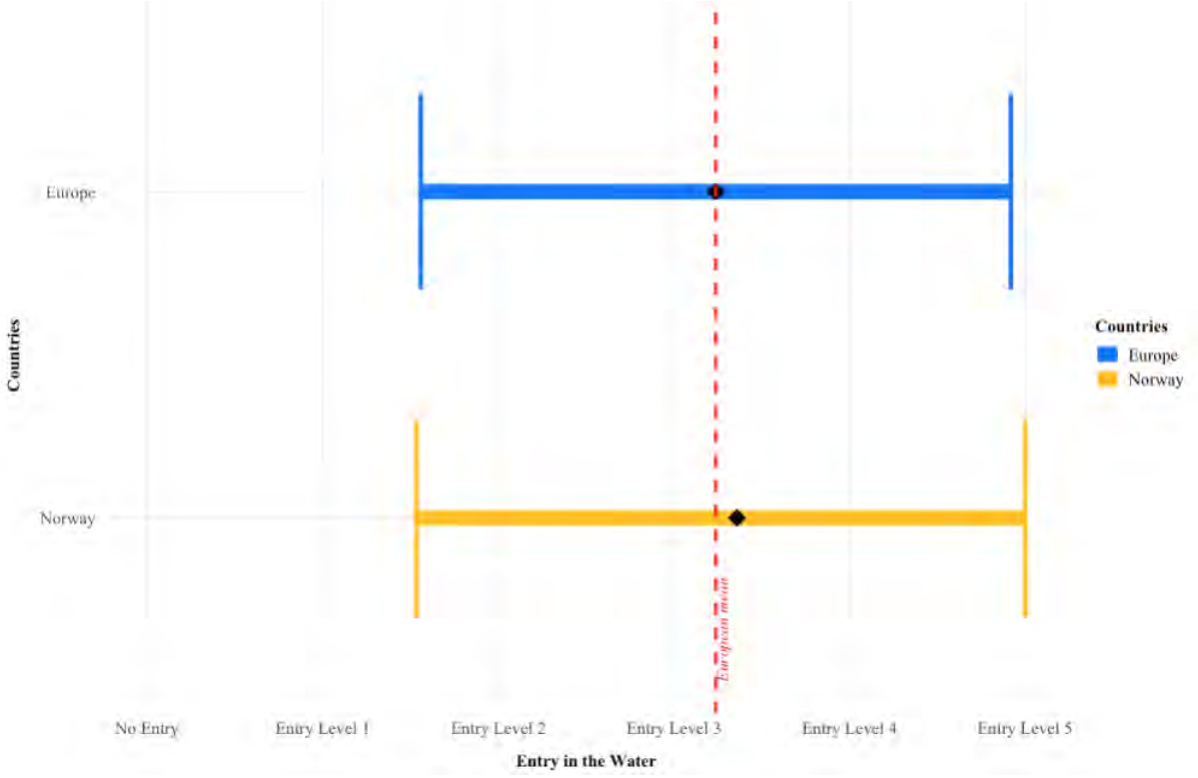


Figure 621. Distribution of the Entry in the Water in Europe and in Norway (Mean±SD).

Table 1066. Comparative Analysis of the Entry in the Water in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	288	2,243	0.07	0.07 [a]	0.2 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

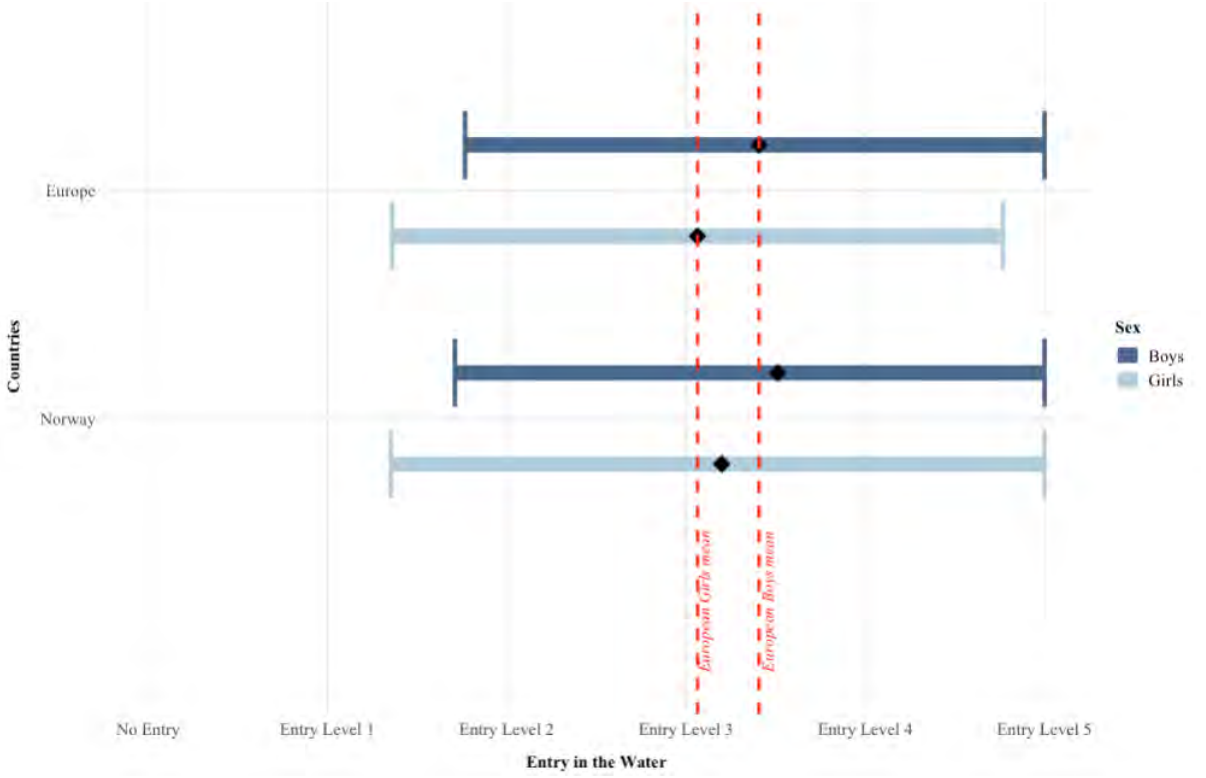


Figure 622. Distribution of the Entry in the Water according to the Sex in Europe and in Norway (Mean±SD).

Table 1067. Comparative Analysis of the Entry in the Water in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	Boys	147	1,133	0.18	0.04 [a]	0.13 [1]
	Girls	141	1,110	0.2	0.03 [a]	0.12 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1068. Comparative Analysis of the Entry in the Water in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	Boys *vs* Girls	147	141	0.1	0.09 [a]	0.35 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

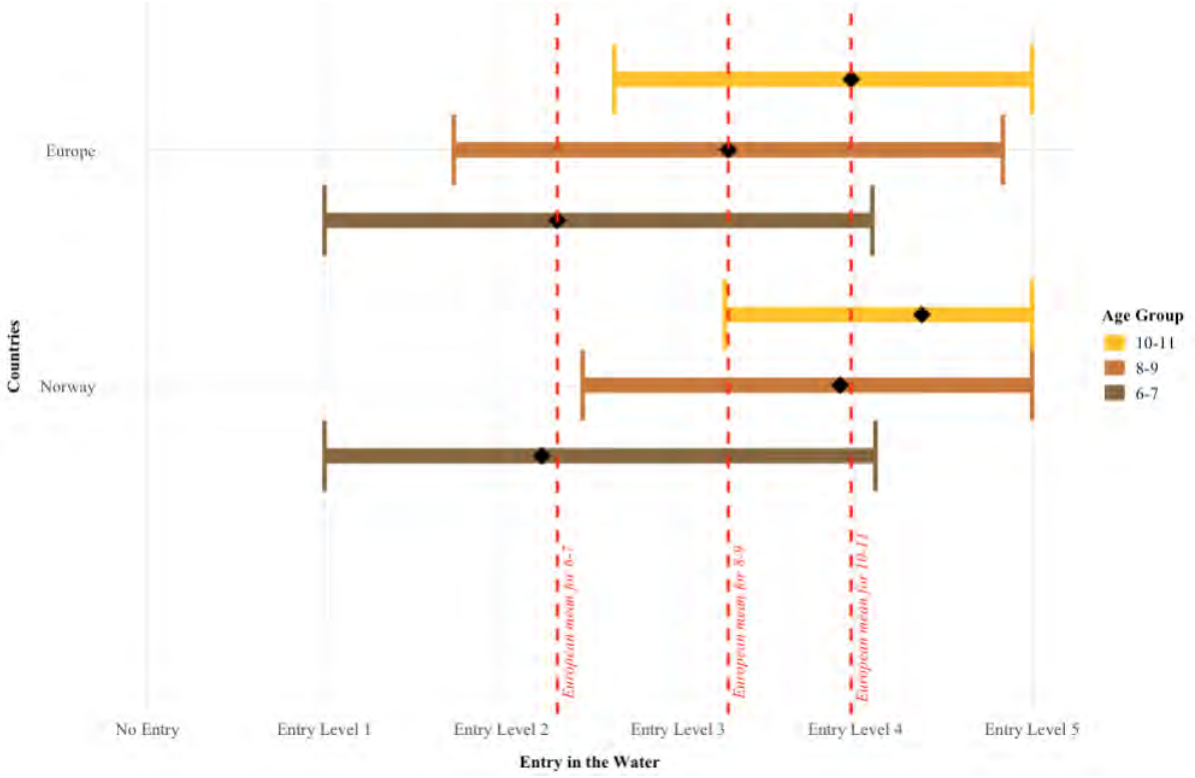


Figure 623. Distribution of the Entry in the Water according to the Age Group in Europe and in Norway (Mean±SD).

Table 1069. Comparative Analysis of the Entry in the Water in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	114	607	0.5	0.02 [a]	0.08 [1]
	8-9 yo	105	938	8.45^{e-06} ***	0.13 [a]	0.74 [2]
	10-11 yo	69	698	0.006 **	0.09 [a]	0.3 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1070. Comparative Analysis of the Entry in the Water in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	114	105		1.9^{e-11} ***	0.44 [b]	1 [4]
	8-9 yo *vs* 10-11 yo		105	69	0.02 *	0.15 [a]	0.52 [2]
	6-7 yo *vs* 10-11 yo	114		69	1.85^{e-14} ***	0.55 [c]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

b. Exit from the water

Overview

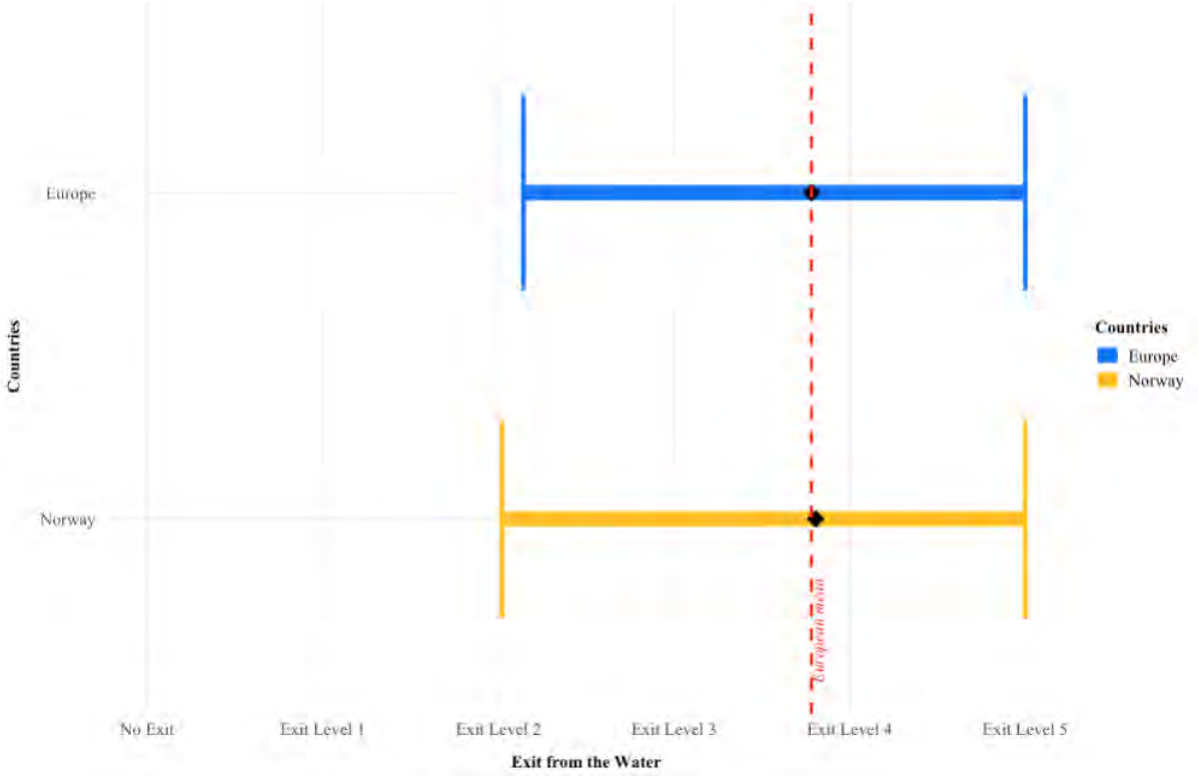


Figure 624. Distribution of the Exit from the Water in Europe and in Norway (Mean±SD).

Table 1071. Comparative Analysis of the Exit from the Water in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* **Europe**	288	2,243	0.14	0.05 [a]	0.14 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

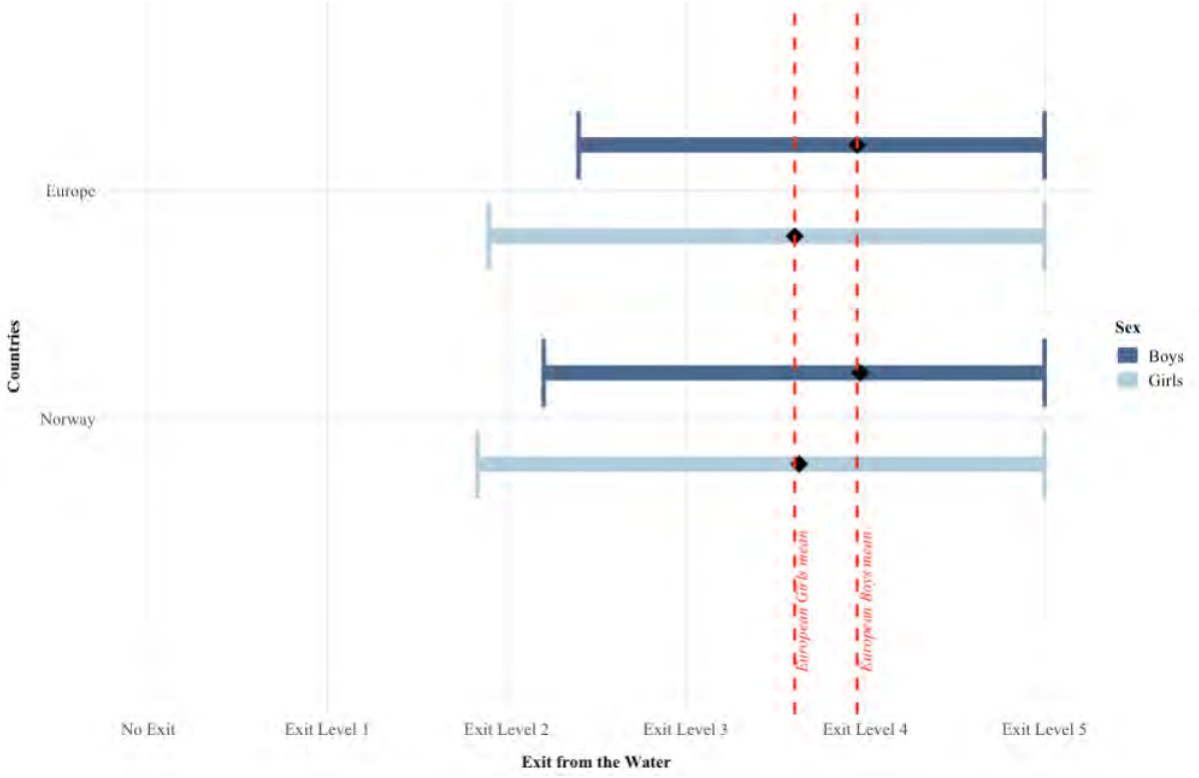


Figure 625. Distribution of the Exit from the Water according to the Sex in Europe and in Norway (Mean±SD).

Table 1072. Comparative Analysis of the Exit from the Water in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	Boys	147	1,133	0.1	0.04 [a]	0.15 [1]
	Girls	141	1,110	0.57	0.02 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1073. Comparative Analysis of the Exit from the Water in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	Boys *vs* Girls	147	141	0.02 *	0.12 [a]	0.55 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

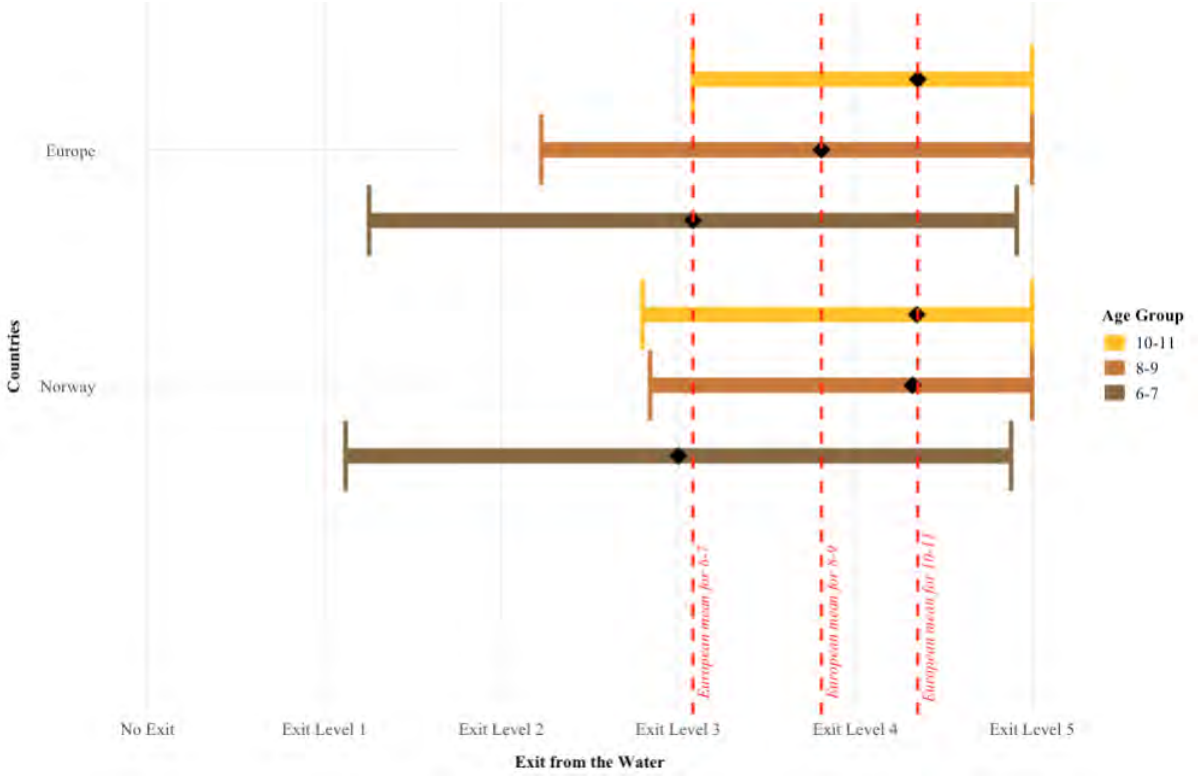


Figure 626. Distribution of the Exit from the Water according to the Age Group in Europe and in Norway (Mean±SD).

Table 1074. Comparative Analysis of the Exit from the Water in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	114	607	0.74	0.01 [a]	0.06 [1]
	8-9 yo	105	938	2.75^{e-05} ***	0.12 [a]	0.63 [2]
	10-11 yo	69	698	0.12	0.04 [a]	0.11 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1075. Comparative Analysis of the Exit from the Water in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	114	105		6.99^{e-09} ***	0.35 [b]	1 [4]
	8-9 yo *vs* 10-11 yo		105	69	0.48	0.04 [a]	0.08 [1]
	6-7 yo *vs* 10-11 yo	114		69	1.1e-07 ***	0.36 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

c. Propulsion on the belly

Overview

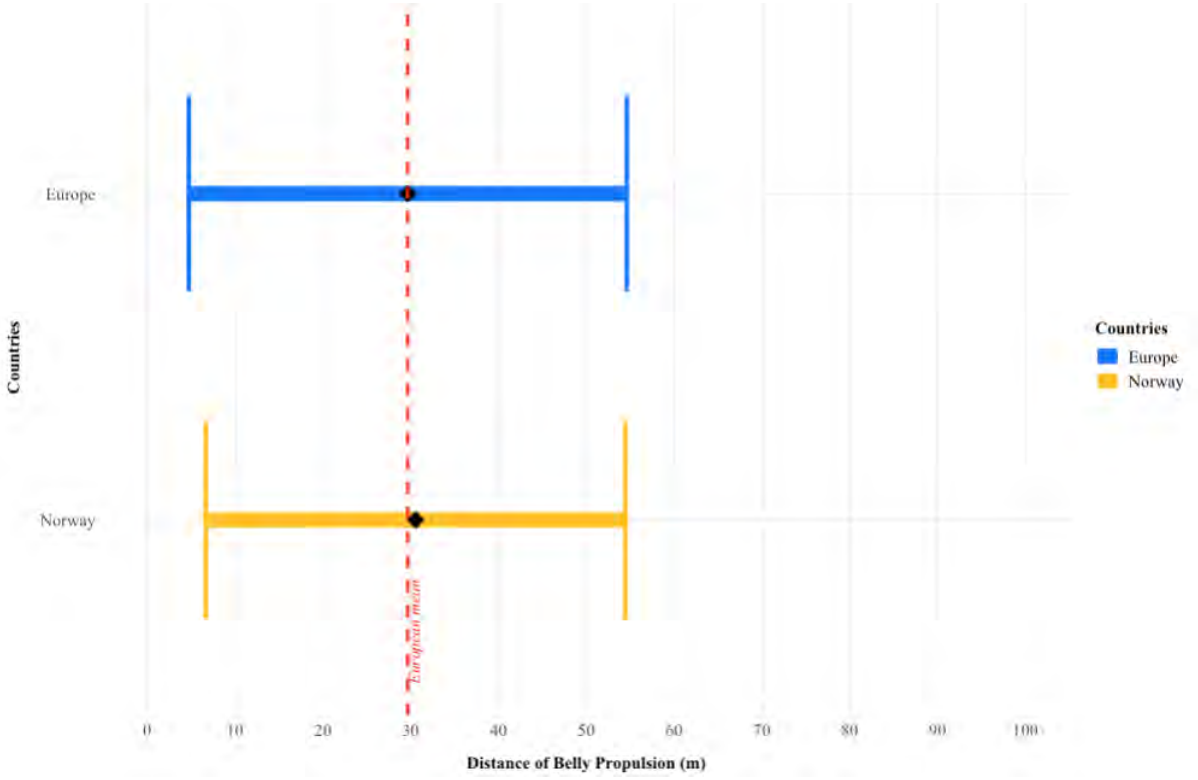


Figure 627. Distribution of the Propulsion on the Belly in Europe and in Norway (Mean±SD).

Table 1076. Comparative Analysis of the Propulsion on the Belly in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	276	2,197	0.33	0.04 [a]	0.09 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

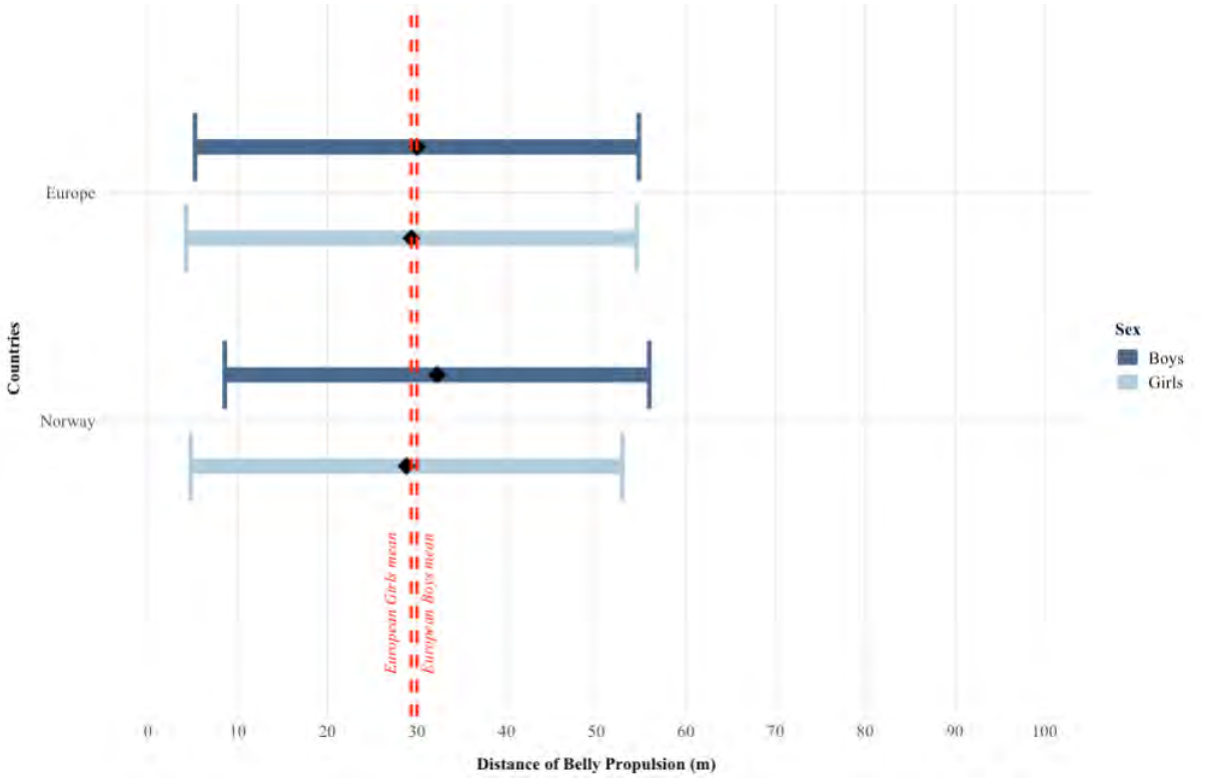


Figure 628. Distribution of the Propulsion on the Belly according to the Sex in Europe and in Norway (Mean±SD).

Table 1077. Comparative Analysis of the Propulsion on the Belly in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	Boys	141	1,111	0.22	0.03 [a]	0.12 [1]
	Girls	135	1,086	0.87	0.005 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1078. Comparative Analysis of the Propulsion on the Belly in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway	Boys *vs* Girls	141	135	0.32	0.06 [a]	0.17 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

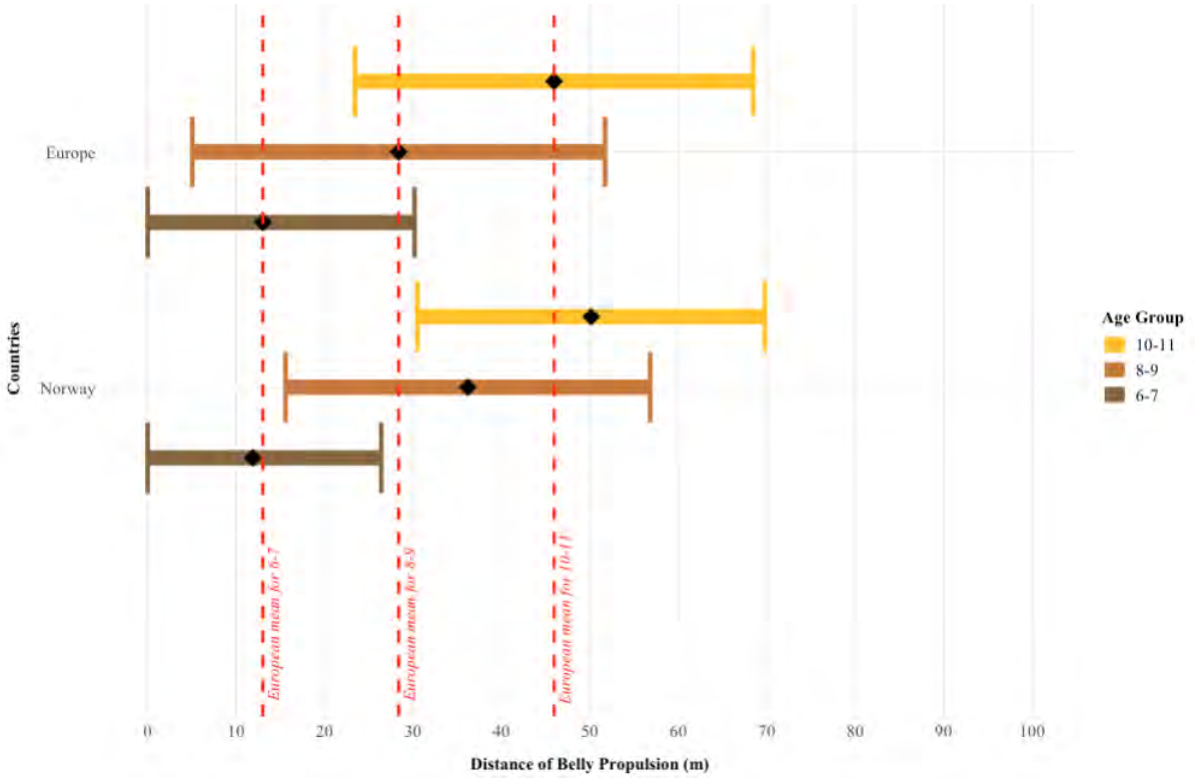


Figure 629. Distribution of the Propulsion on the Belly according to the Age Group in Europe and in Norway (Mean±SD).

Table 1079. Comparative Analysis of the Propulsion on the Belly in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	103	592	0.53	0.02 [a]	0.07 [1]
	8-9 yo	105	927	2.65^{e-04} ***	0.11 [a]	0.6 [2]
	10-11 yo	68	678	0.08	0.06 [a]	0.17 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1080. Comparative Analysis of the Propulsion on the Belly in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	103	105		2.99^{e-06} ***	0.56 [c]	1 [4]
	8-9 yo *vs* 10-11 yo		105	68	1.93^{e-06} ***	0.36 [b]	1 [4]
	6-7 yo *vs* 10-11 yo	103		68	3.39^{e-21} ***	0.72 [c]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

f. Propulsion on the back

Overview

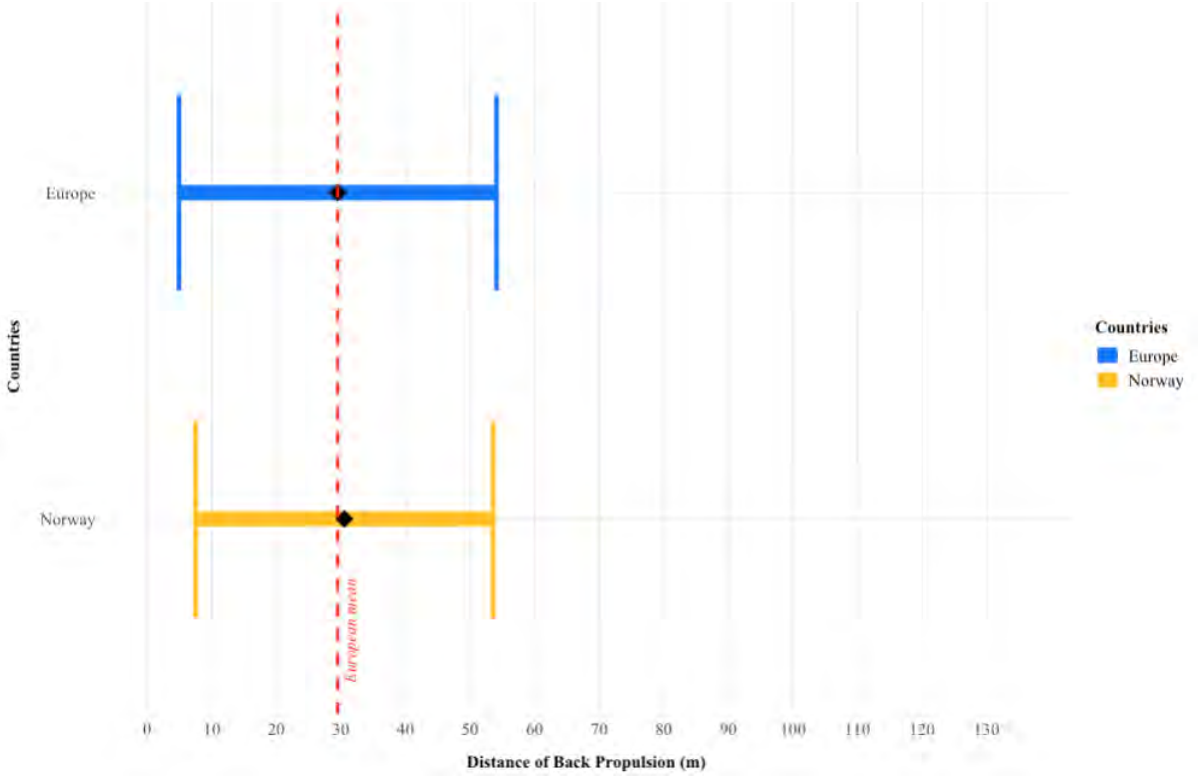


Figure 630. Distribution of the Propulsion on the Back in Europe and in Norway (Mean±SD).

Table 1081. Comparative Analysis of the Propulsion on the Back in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	267	2,177	0.28	0.04 [a]	0.1 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

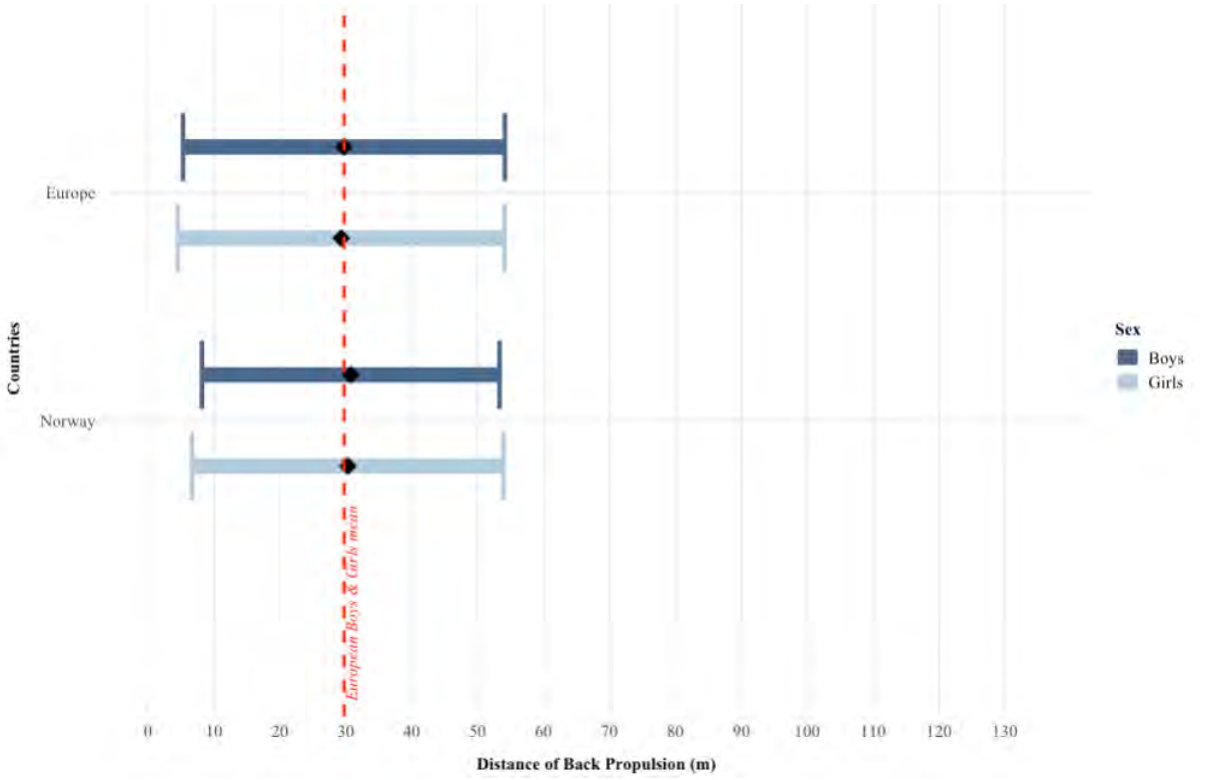


Figure 631. Distribution of the Propulsion on the Back according to the Sex in Europe and in Norway (Mean±SD).

Table 1082. Comparative Analysis of the Propulsion on the Back in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	Boys	137	1,096	0.47	0.02 [a]	0.07 [1]
	Girls	130	1,081	0.43	0.02 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1083. Comparative Analysis of the Propulsion on the Back in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway	Boys *vs* Girls	137	130	0.9	0.008 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

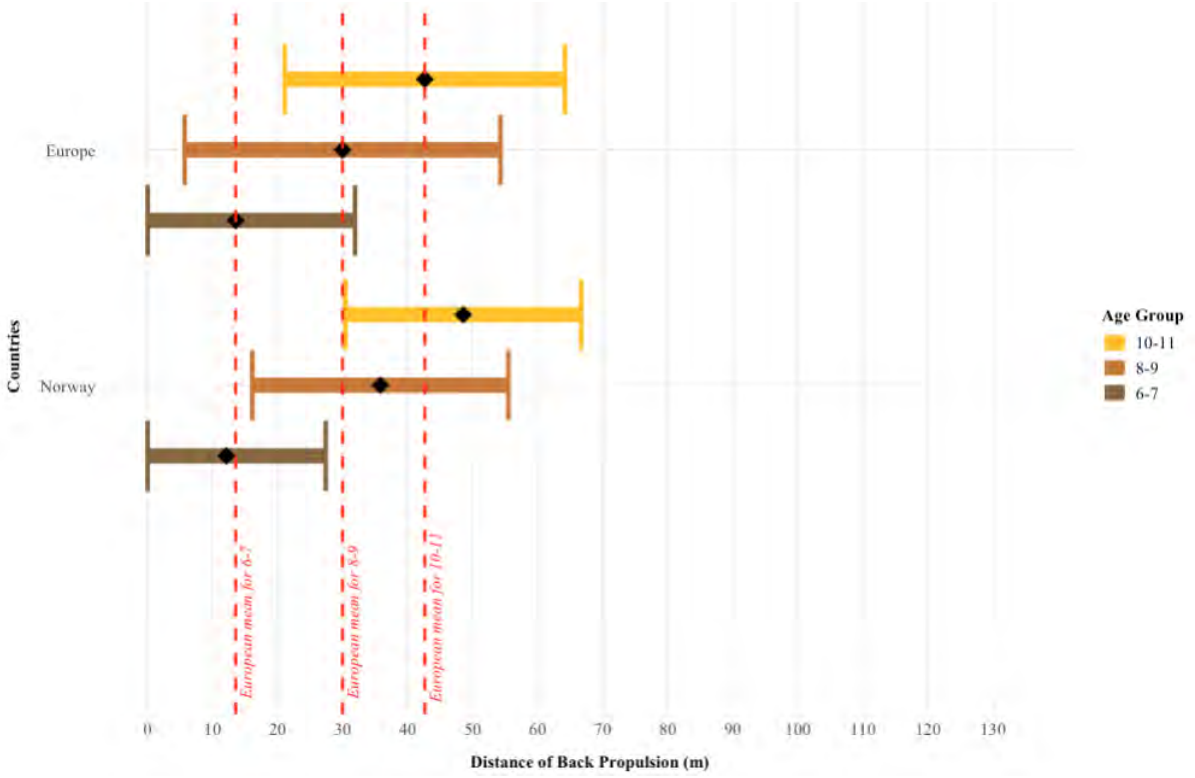


Figure 632. Distribution of the Propulsion on the Back according to the Age Group in Europe and in Norway (Mean±SD).

Table 1084. Comparative Analysis of the Propulsion on the Back in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	96	582	0.49	0.02 [a]	0.07 [1]
	8-9 yo	103	921	0.008 **	0.08 [a]	0.35 [1]
	10-11 yo	68	674	0.01 *	0.09 [a]	0.31 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1085. Comparative Analysis of the Propulsion on the Back in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	96	103		1.67^{e-14} ***	0.54 [c]	1 [4]
	8-9 yo *vs* 10-11 yo		103	68	5.29^{e-06} ***	0.35 [b]	1 [4]
	6-7 yo *vs* 10-11 yo	96		68	1.01^{e-20} ***	0.72 [c]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

d. Submersion

Overview

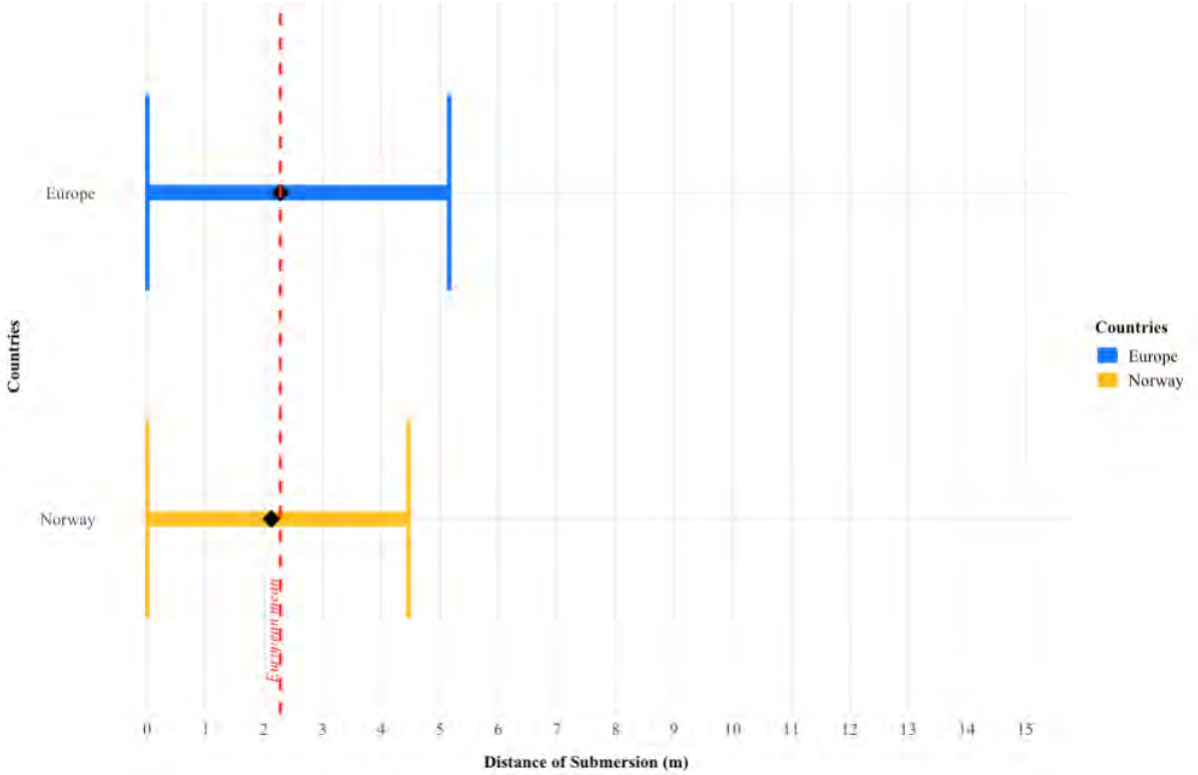


Figure 633. Distribution of the Submersion in Europe and in Norway (Mean±SD).

Table 1086. Comparative Analysis of the Submersion in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	271	2,217	0.61	0.02 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

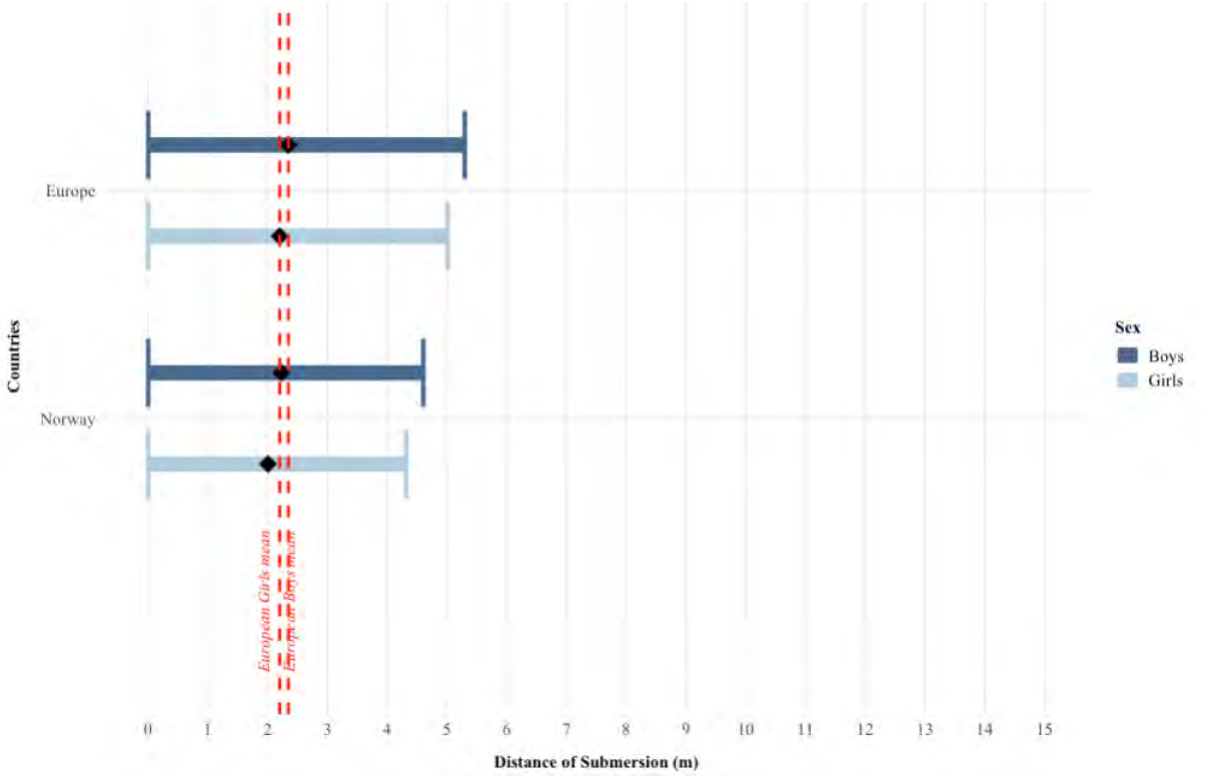


Figure 634. Distribution of the Submersion according to the Sex in Europe and in Norway (Mean±SD).

Table 1087. Comparative Analysis of the Submersion in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	Boys	139	1,117	0.51	0.02 [a]	0.07 [1]
	Girls	132	1,100	0.97	0.001 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1088. Comparative Analysis of the Submersion in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway	Boys *vs* Girls	139	132	0.35	0.05 [a]	0.15 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

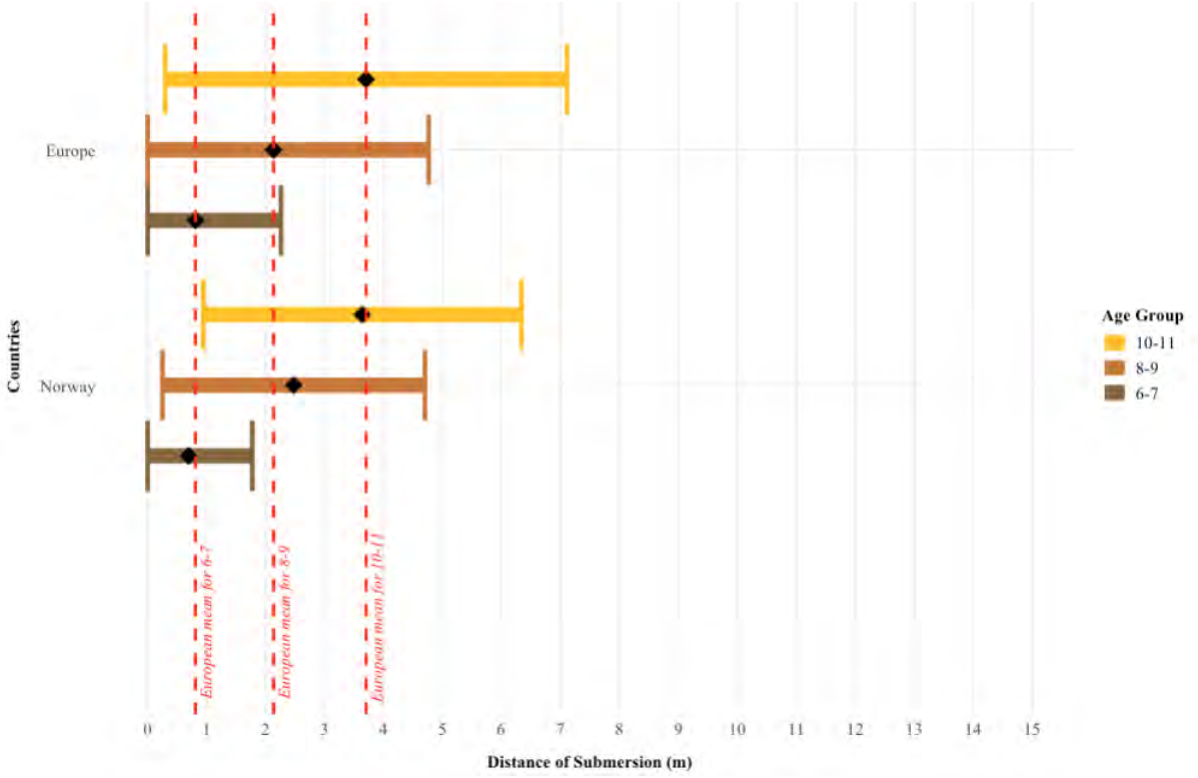


Figure 635. Distribution of the Submersion according to the Age Group in Europe and in Norway (Mean±SD).

Table 1089. Comparative Analysis of the Submersion in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	99	595	0.9	0.004 [a]	0.05 [1]
	8-9 yo	104	926	0.008 **	0.08 [a]	0.34 [1]
	10-11 yo	68	696	0.57	0.02 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1090. Comparative Analysis of the Submersion in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	99	104		1.53^{e-12} ***	0.48 [b]	1 [4]
	8-9 yo *vs* 10-11 yo		104	68	0.003 **	0.23 [b]	0.84 [3]
	6-7 yo *vs* 10-11 yo	99		68	6.22^{e-16} ***	0.6 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

e. Breathing

Overview

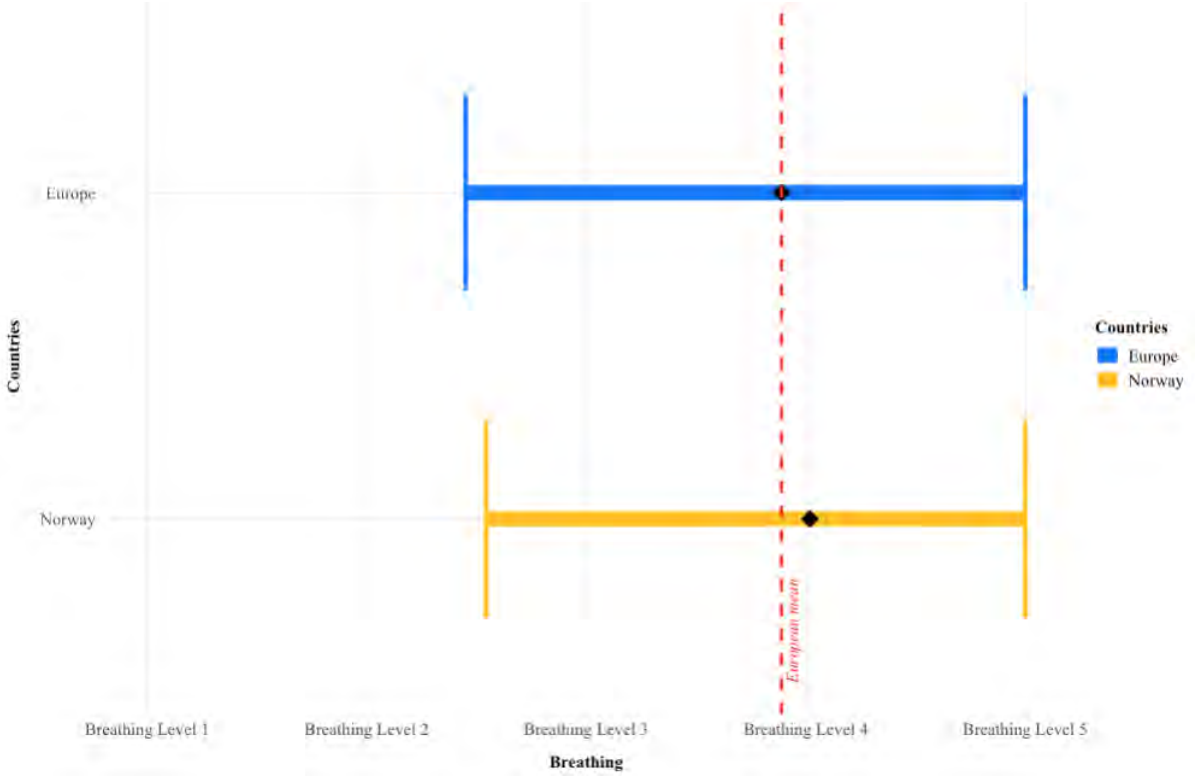


Figure 636. Distribution of the Breathing in Europe and in Norway (Mean±SD).

Table 1091. Comparative Analysis of the Breathing in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	265	2,053	0.08	0.06 [a]	0.17 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

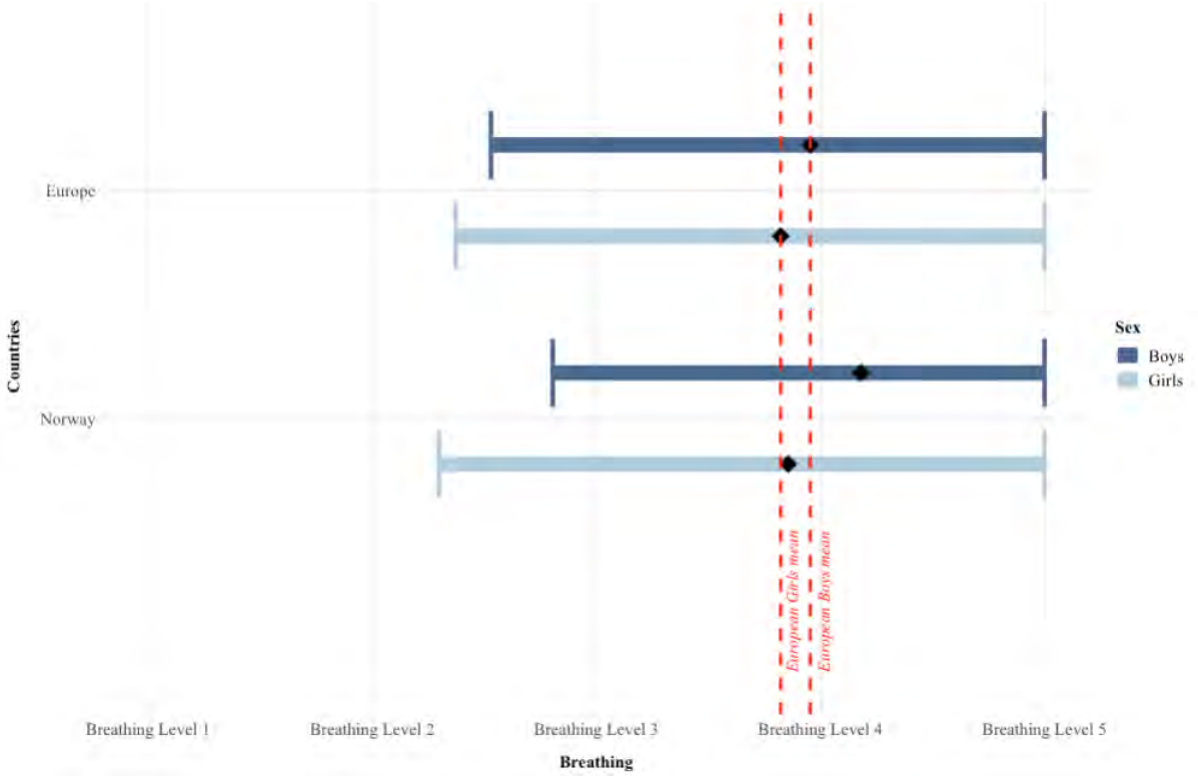


Figure 637. Distribution of the Breathing according to the Sex in Europe and in Norway (Mean±SD).

Table 1092. Comparative Analysis of the Breathing in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	Boys	133	1,033	0.04 *	0.05 [a]	0.21 [1]
	Girls	132	1,020	0.64	0.01 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1093. Comparative Analysis of the Breathing in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	Boys *vs* Girls	133	132	0.07	0.1 [a]	0.35 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

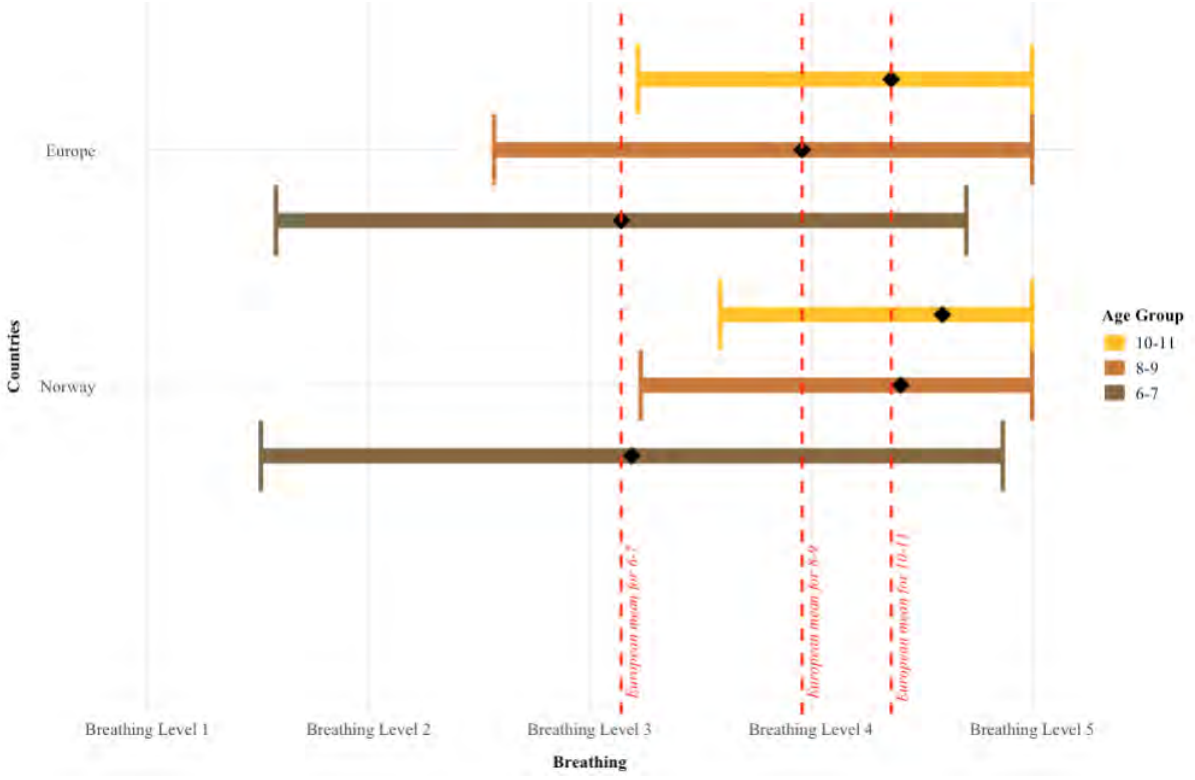


Figure 638. Distribution of the Breathing according to the Age Group in Europe and in Norway (Mean±SD).

Table 1094. Comparative Analysis of the Breathing in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	95	509	0.84	0.008 [a]	0.05 [1]
	8-9 yo	101	872	0.001 **	0.09 [a]	0.42 [1]
	10-11 yo	69	672	0.08	0.05 [a]	0.13 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1095. Comparative Analysis of the Breathing in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	95	101		6.63^{e-08} ***	0.35 [b]	1 [4]
	8-9 yo *vs* 10-11 yo		101	69	0.27	0.06 [a]	0.12 [1]
	6-7 yo *vs* 10-11 yo	95		69	1.96^{e-08} ***	0.39 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

f. Treading water

Overview

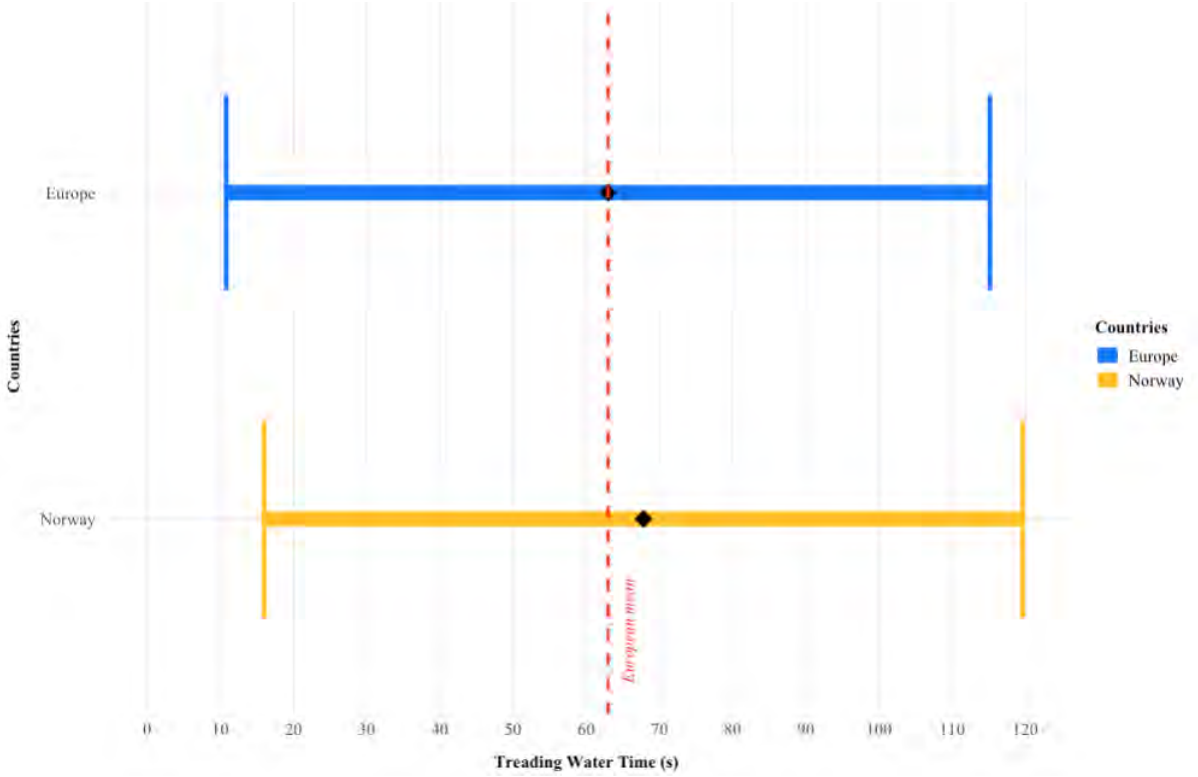


Figure 639. Distribution of the Treading Water in Europe and in Norway (Mean±SD).

Table 1096. Comparative Analysis of the Treading Water in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	277	2,227	0.13	0.06 [a]	0.15 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

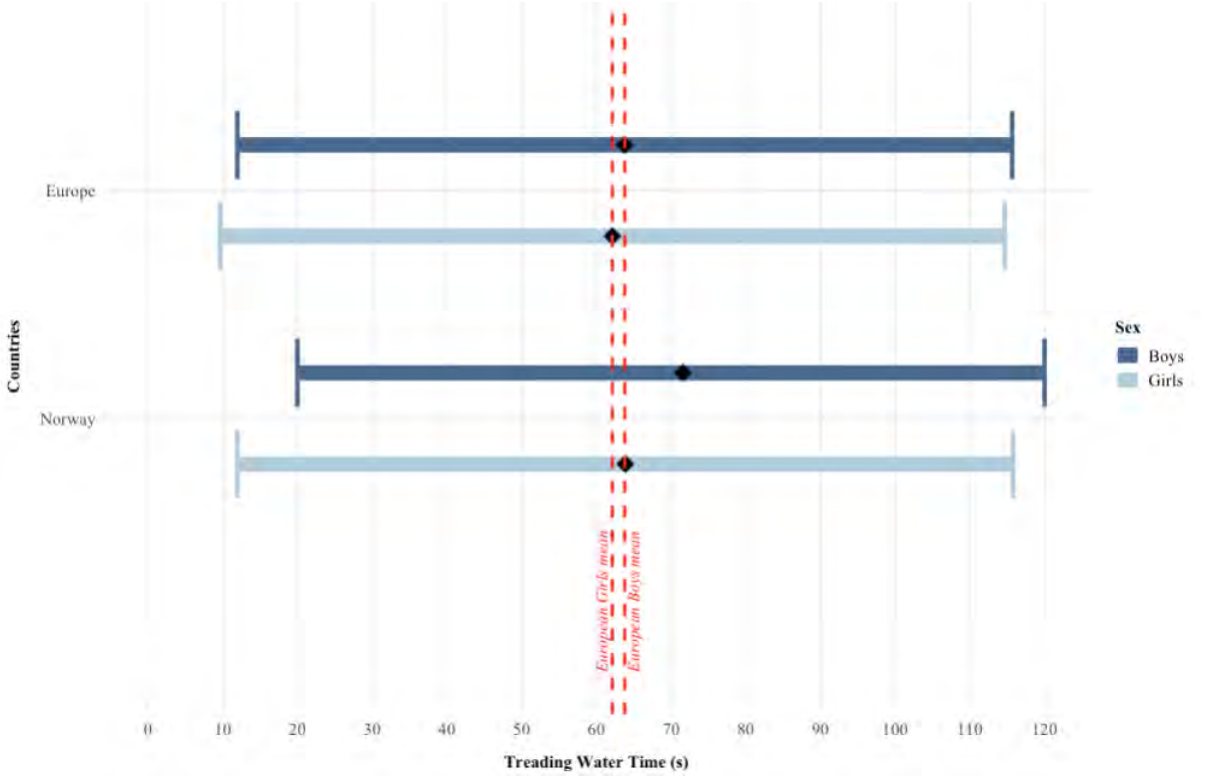


Figure 640. Distribution of the Treading Water according to the Sex in Europe and in Norway (Mean±SD).

Table 1097. Comparative Analysis of the Treading Water in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	Boys	141	1,124	0.08	0.05 [a]	0.18 [1]
	Girls	136	1,103	0.69	0.01 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1098. Comparative Analysis of the Treading Water in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	Boys *vs* Girls	141	136	0.19	0.07 [a]	0.24 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

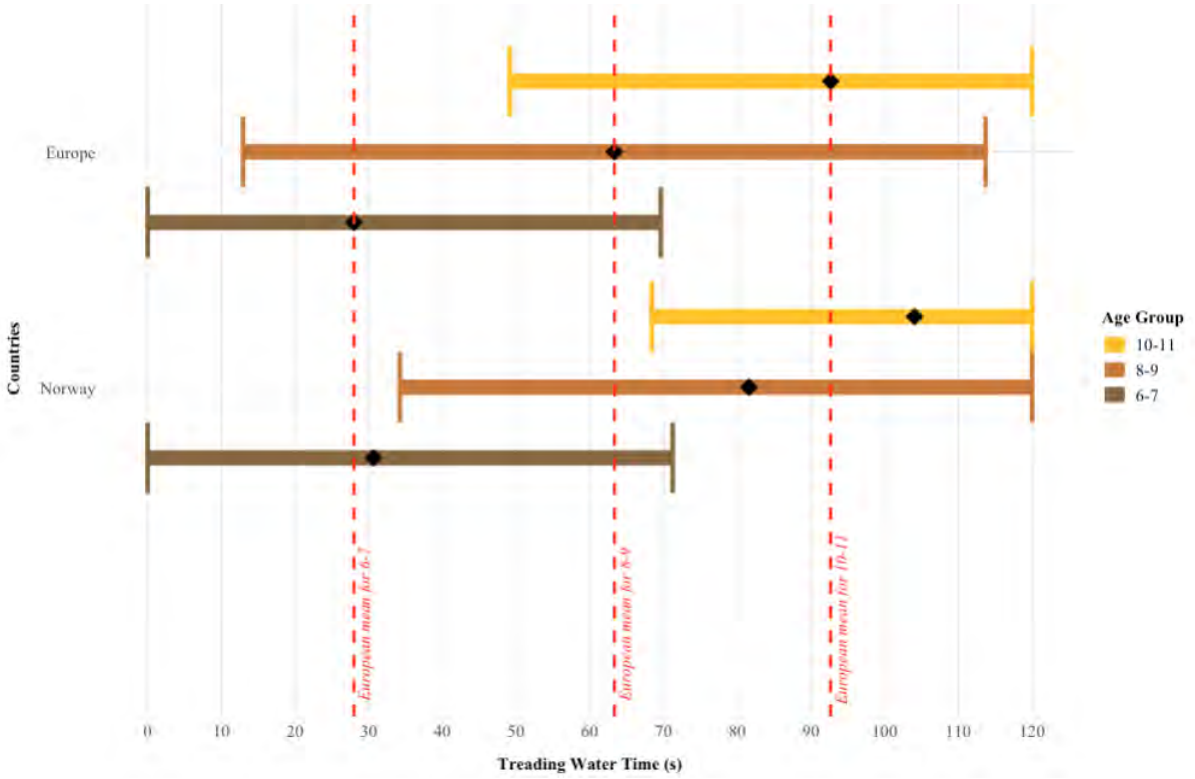


Figure 641. Distribution of the Treading Water according to the Age Group in Europe and in Norway (Mean±SD).

Table 1099. Comparative Analysis of the Treading Water in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	105	600	0.09	0.06 [a]	0.21 [1]
	8-9 yo	104	931	3.8^{e-04} ***	0.11 [a]	0.54 [2]
	10-11 yo	68	696	0.04 *	0.06 [a]	0.16 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1100. Comparative Analysis of the Treading Water in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	105	104		3.98^{e-13} ***	0.49 [b]	1 [4]
	8-9 yo *vs* 10-11 yo		104	68	0.001 **	0.21 [b]	0.78 [2]
	6-7 yo *vs* 10-11 yo	105		68	1.46^{e-17} ***	0.63 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

g. Floating

Overview

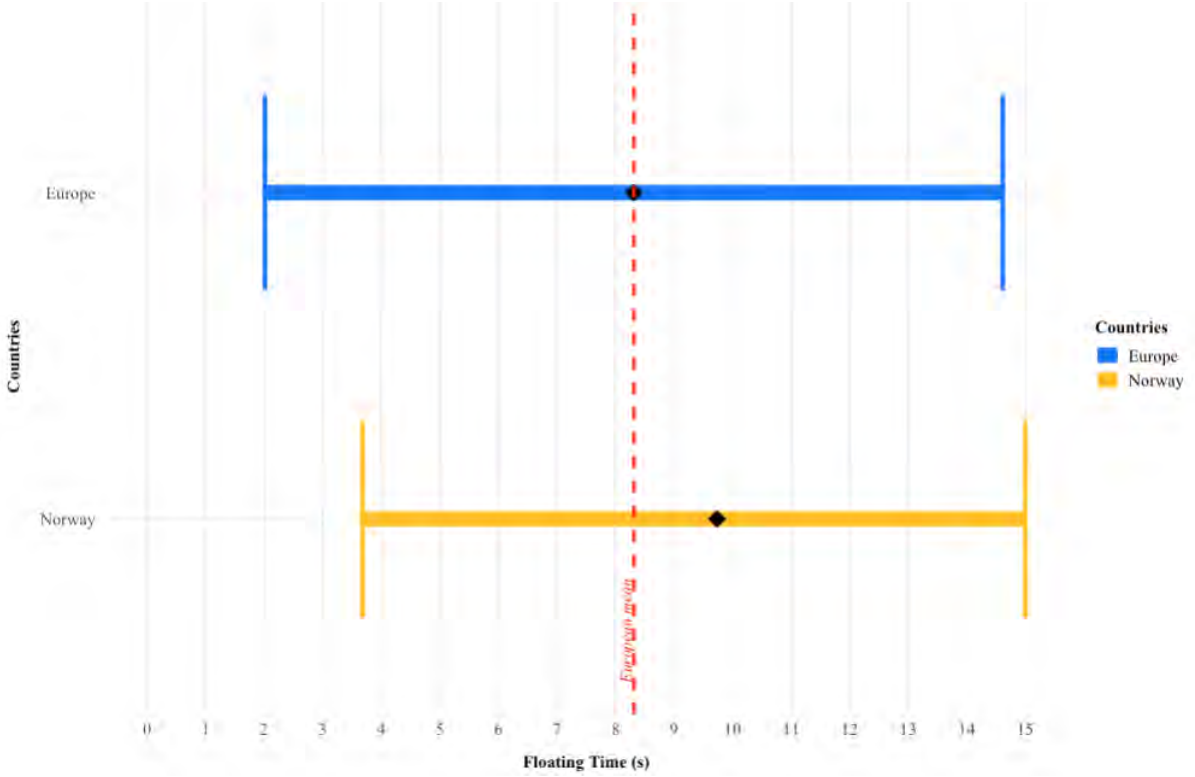


Figure 642. Distribution of the Floating in Europe and in Norway (Mean±SD).

Table 1101. Comparative Analysis of the Floating in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	276	2,206	0.002 **	0.12 [a]	0.46 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

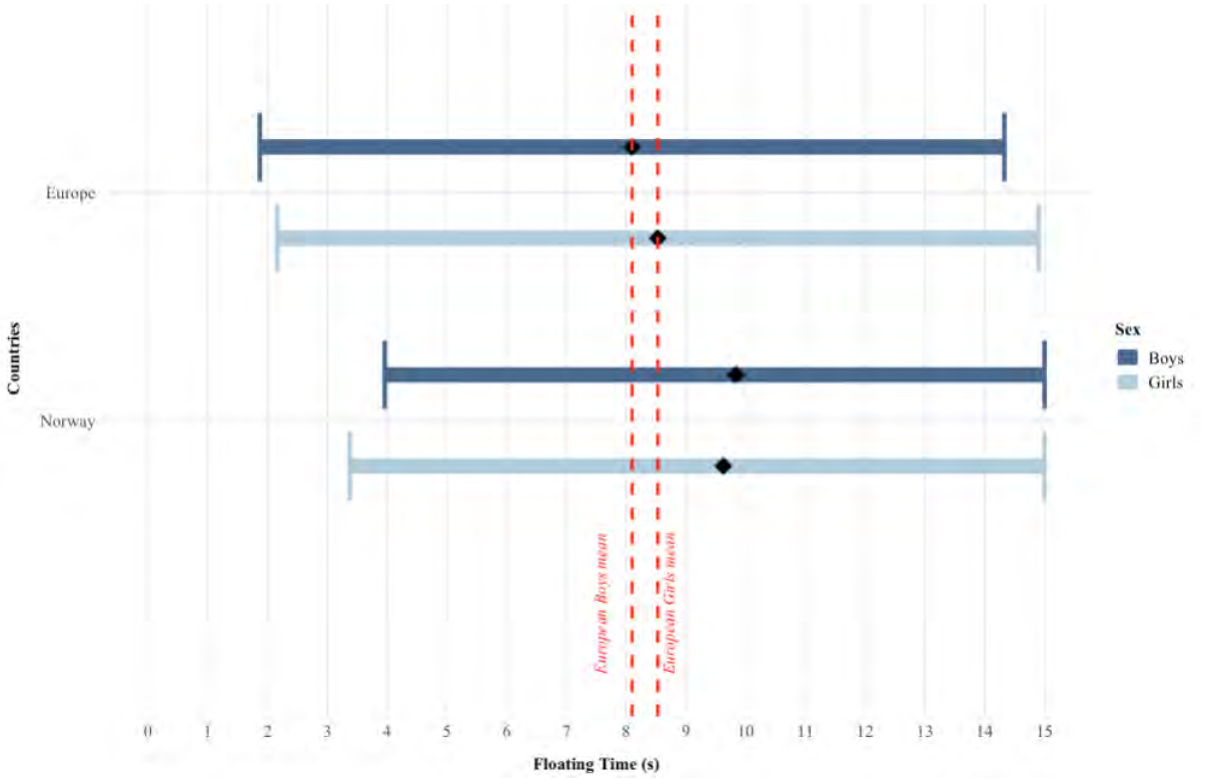


Figure 643. Distribution of the Floating according to the Sex in Europe and in Norway (Mean±SD).

Table 1102. Comparative Analysis of the Floating in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	Boys	140	1,111	0.004 **	0.08 [a]	0.42 [1]
	Girls	136	1,095	0.14	0.04 [a]	0.14 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1103. Comparative Analysis of the Floating in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	Boys *vs* Girls	140	136	0.89	0.008 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

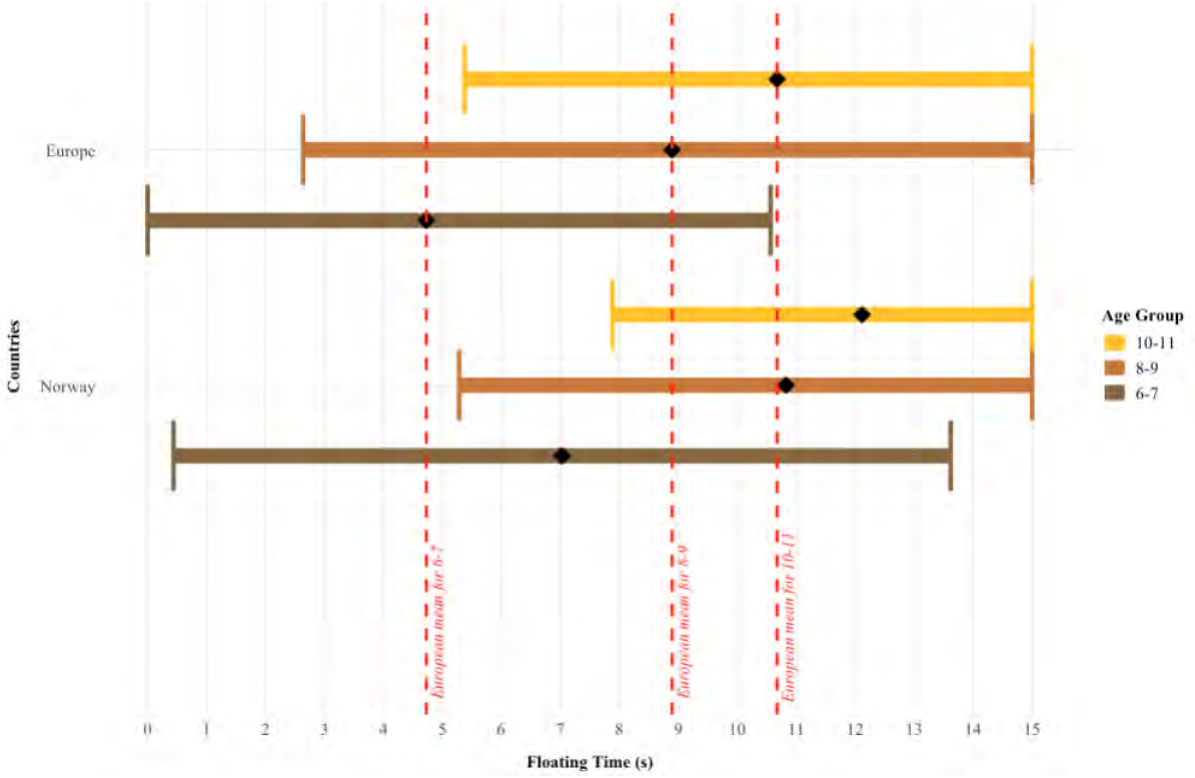


Figure 644. Distribution of the Floating according to the Age Group in Europe and in Norway (Mean±SD).

Table 1104. Comparative Analysis of the Floating in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	103	598	0.002 **	0.11 [a]	0.55 [2]
	8-9 yo	104	931	0.01 *	0.08 [a]	0.31 [1]
	10-11 yo	69	677	0.06	0.06 [a]	0.17 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1105. Comparative Analysis of the Floating in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	103	104		1.99^{e-05} ***	0.29 [b]	0.99 [4]
	8-9 yo *vs* 10-11 yo		104	69	0.2	0.09 [a]	0.22 [1]
	6-7 yo *vs* 10-11 yo	103		69	4.83^{e-07} ***	0.37 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

h. Rotations

Overview

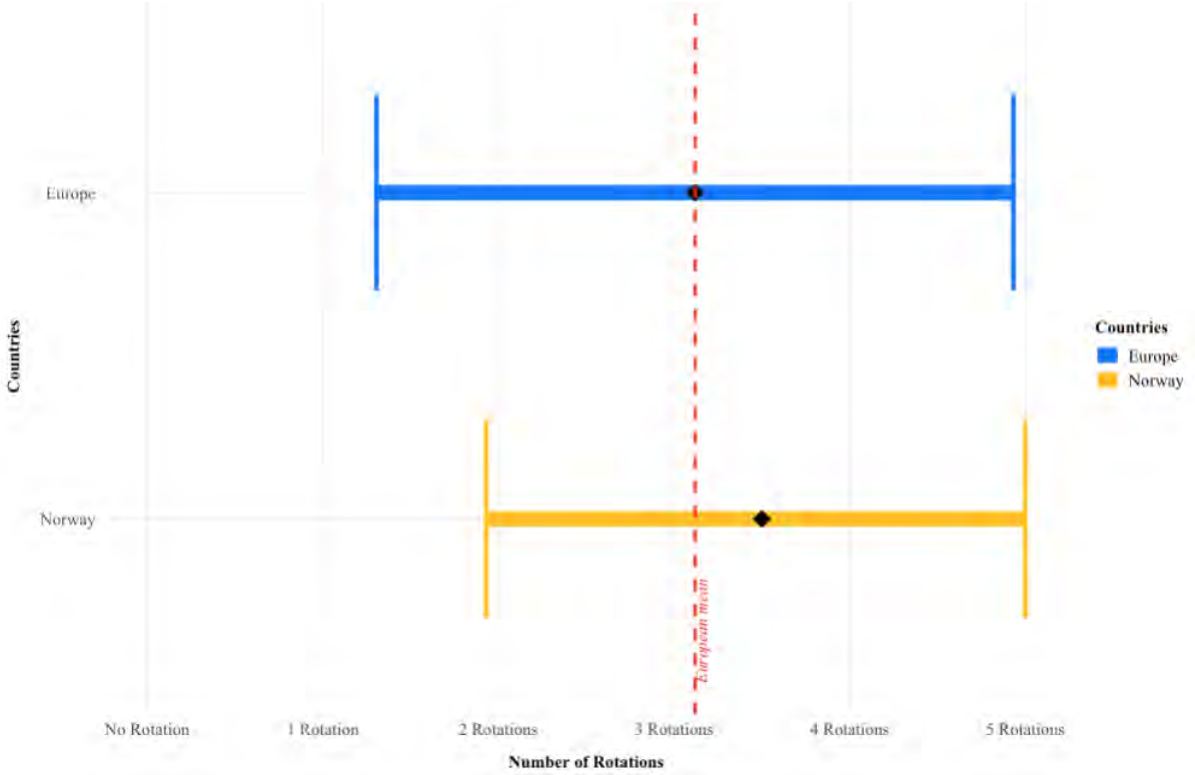


Figure 645. Distribution of the Rotations in Europe and in Norway (Mean±SD).

Table 1106. Comparative Analysis of the Rotations in Norway *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	160	1,820	0.02 *	0.1 [a]	0.23 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

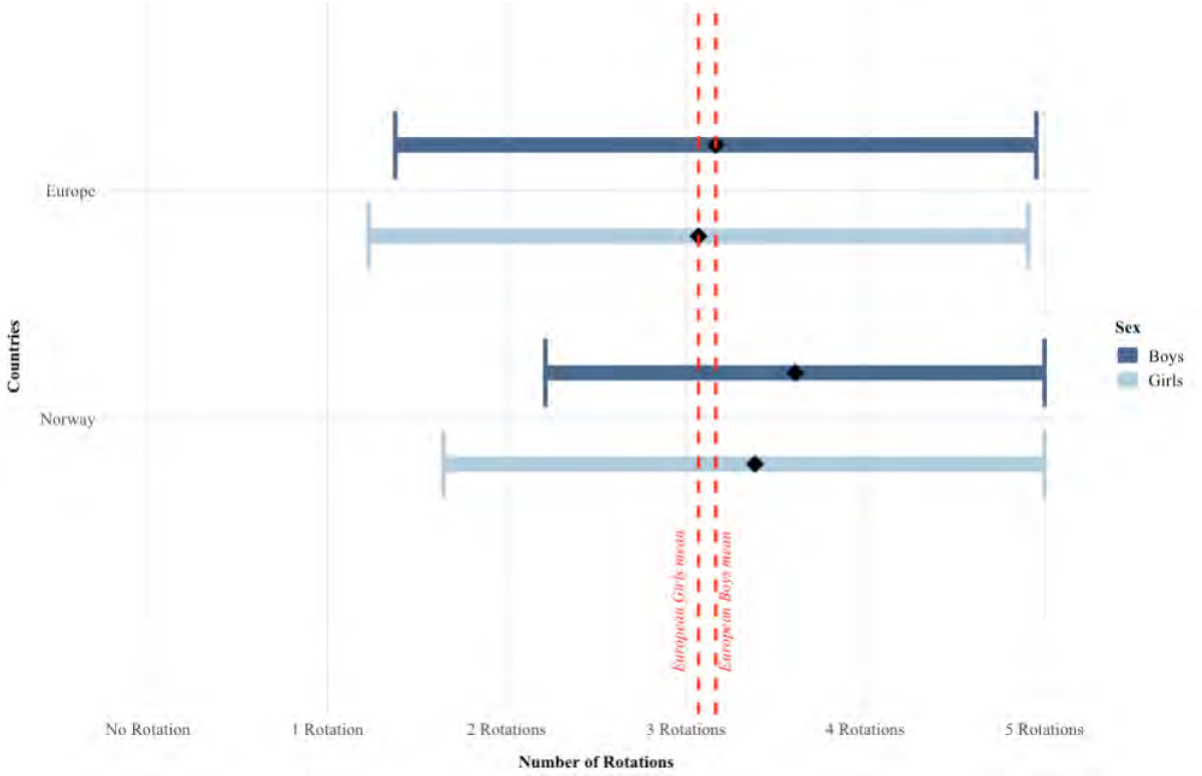


Figure 646. Distribution of the Rotations according to the Sex in Europe and in Norway (Mean±SD).

Table 1107. Comparative Analysis of the Rotations in Norway *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Norway)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway *vs* Europe	Boys	82	892	0.08	0.05 [a]	0.15 [1]
	Girls	78	892	0.15	0.04 [a]	0.12 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1108. Comparative Analysis of the Rotations in Norway according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Norway	Boys *vs* Girls	82	78	0.69	0.03 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

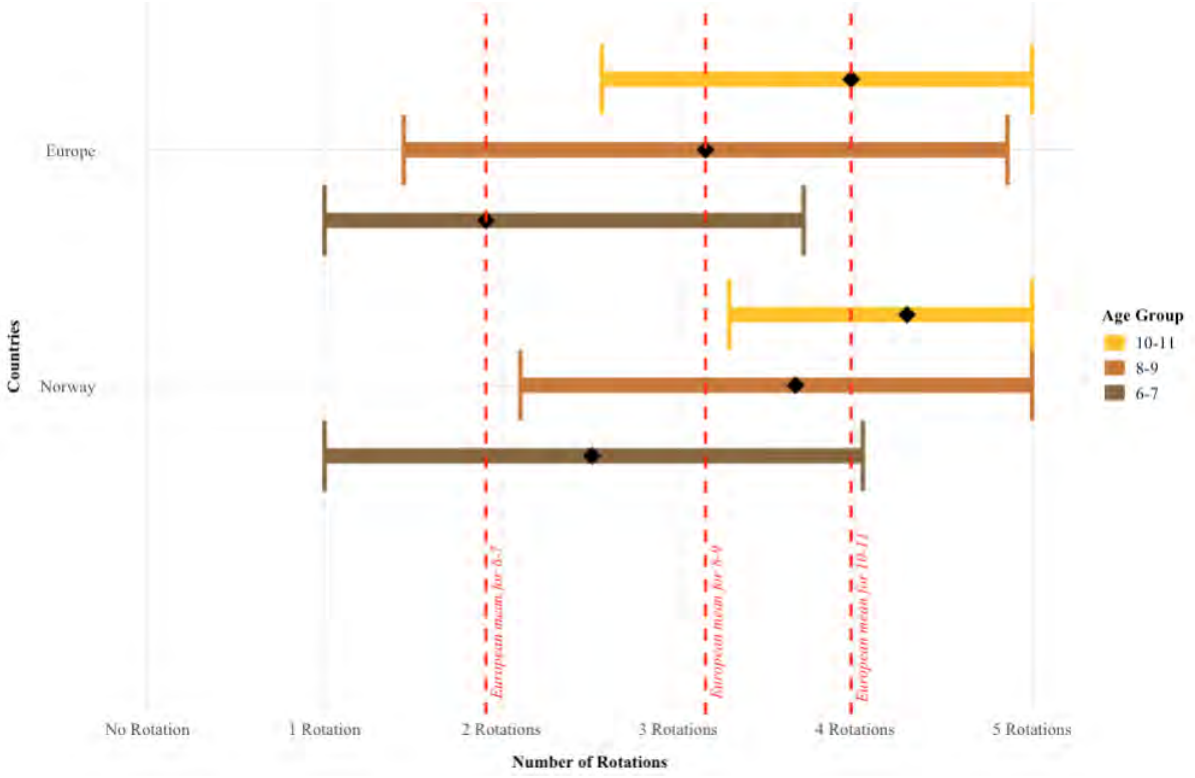


Figure 647. Distribution of the Rotations according to the Age Group in Europe and in Norway (Mean±SD).

Table 1109. Comparative Analysis of the Rotations in Norway *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Norway)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Norway *vs* Europe	6-7 yo	45	456	0.02 *	0.1 [a]	0.26 [1]
	8-9 yo	74	754	0.01 *	0.09 [a]	0.3 [1]
	10-11 yo	41	610	0.26	0.04 [a]	0.08 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1110. Comparative Analysis of the Rotations in Norway according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Norway	6-7 yo *vs* 8-9 yo	45	74		6.16^{e-05} ***	0.36 [b]	0.98 [4]
	8-9 yo *vs* 10-11 yo		74	41	0.04 *	0.18 [a]	0.45 [1]
	6-7 yo *vs* 10-11 yo	45		41	6.24^{e-08} ***	0.57 [c]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

E. National Strengths and Weaknesses

This analysis compares Norwegian children's aquatic literacy with six other European countries, revealing strong performance in particularly the 8-9 age groups for all isolated skills (entry, exit, breathing, floating, submersion, rotations, treading water and back and front propulsion), alongside high enjoyment in informal aquatic play for 6–7-year-olds. However, Norwegian children—particularly those aged 6–7—lag behind European peers in confidence, enjoyment of structured lessons, number of swimming lessons at school, and identifying high-risk situations in both swimming pool and open water for all age groups, with little desire for doing more diverse aquatic activities among the 10-11 age group. The recommendations therefore emphasise earlier and more consistent initiation, improved teacher training, expanded curricular content, and strategies to improve high risk perception and regional inequalities.

a. General overview

Tests	Strengths	Weaknesses
Parental questionnaire	✅ Parental education	*NA*
Child questionnaire	✅ Perceived exit from the water ✅ Enjoyment during swimming lessons out-of-school ✅ Enjoyment during swimming lessons out-of-school with friends ✅ Enjoyment while playing freely in the swimming pool ✅ Opportunities to do (more) swimming races ✅ Opportunities to do (more) artistic swimming ✅ Low risk in the swimming pool ✅ Low risk in open water	❌ Confidence in deep water ❌ Perceived breathing ❌ Perceived propulsion on the belly ❌ Perceived submersion ❌ Enjoyment during swimming lessons at school ❌ Enjoyment during swimming lessons at school with friends ❌ Opportunities to do (more) activity 1 ❌ High risk in the swimming pool ❌ High risk in open water
Isolated tasks	✅ Floating ✅ Rotations	*NA*

b. Analyse by sex in Norway *vs* Europe

Tests	Strengths	Weaknesses
Parental questionnaire	*NA*	*NA*
Child questionnaire	✅ Perceived exit from the water (in Boys & Girls) ✅ Enjoyment during swimming lessons out-of-school (in Boys & Girls) ✅ Enjoyment during swimming lessons out-of-school with friends (in Boys & Girls) ✅ Opportunities to do (more) swimming races (in Boys & Girls) ✅ Opportunities to do (more) Water Polo (in Girls) ✅ Opportunities to do (more) artistic swimming (in Boys) ✅ Low risk in the swimming pool (in Boys & Girls) ✅ Low risk in open water (in Boys & Girls)	❌ Confidence in deep water (in Girls) ❌ Perceived breathing (in Boys & Girls) ❌ Perceived propulsion on the back (in Boys) ❌ Perceived propulsion on the belly (Boys) ❌ Perceived submersion (in Boys) ❌ Enjoyment during swimming lessons at school (in Boys) ❌ Enjoyment during swimming lessons at school with friends (in Boys) ❌ High risk in the swimming pool (in Boys & Girls) ❌ High risk in open water (in Boys & Girls)
Isolated tasks	✅ Breathing (in Boys) ✅ Floating (in Boys)	*NA*

c. Analyse by sex in Norway

Tests	Boys > Girls	Boys < Girls
Parental questionnaire	*NA*	*NA*
Child questionnaire	- Confidence in deep water - Perceived entry in the water - Opportunities to do (more) activity 3	- Enjoyment during swimming lessons out-of-school with friends - Enjoyment while playing freely in the swimming pool with family - Opportunities to do (more) artistic swimming - High risk in the swimming pool
Isolated tasks	- Exit from the water (Boys)	- Exit from the water (Girls)

d. Analyse by age group in Norway *vs* Europe

Tests	Strengths	Weaknesses
Parental questionnaire	☑ Number of swimming lessons out-of-school (in 8-9)	✗ Number of swimming lessons at school (in 6-7)
Child questionnaire	☑ Perceived entry in the water (in 8-9) ☑ Perceived exit from the water (in 8-9) ☑ Enjoyment during swimming lessons out-of-school (in 6-7 & 8-9) ☑ Enjoyment during swimming lessons out-of-school with friends (in 6-7 & 8-9) ☑ Enjoyment while playing freely in the swimming pool with friends (in 6-7) ☑ Enjoyment while playing freely in the swimming pool with family (in 6-7) ☑ Opportunities to do (more) swimming races (in 6-7 & 8-9) ☑ Opportunities to do (more) Water Polo (in 6-7) ☑ Opportunities to do (more) artistic swimming (in 6-7 & 8-9) ☑ Low risk in the swimming pool (in 6-7 & 8-9) ☑ Low risk in open water (in all ages)	✗ Confidence in deep water (in 6-7) ✗ Perceived breathing (in 8-9 & 10-11) ✗ Perceived treading water (in 10-11) ✗ Perceived propulsion on the back (in 10-11) ✗ Perceived propulsion on the belly (in 10-11) ✗ Perceived submersion (in 10-11) ✗ Enjoyment during swimming lessons at school (in 6-7) ✗ Enjoyment during swimming lessons at school with friends (in 6-7) ✗ Enjoyment while playing freely in the swimming pool (in 10-11) ✗ Enjoyment while playing freely in the swimming pool with friends (in 10-11) ✗ Enjoyment while playing freely in the swimming pool with family (in 10-11) ✗ Opportunities to do (more) Water Polo (in 10-11) ✗ Opportunities to do (more) diving (in 10-11) ✗ Opportunities to do (more) activity 1 (in 10-11) ✗ Opportunities to do (more) activity 2 (in 10-11) ✗ Opportunities to do (more) activity 3 (in 10-11) ✗ Opportunities to do (more) activity 4 (in 10-11) ✗ High risk in the swimming pool (in all ages) ✗ High risk in open water (in all ages)
Isolated tasks	☑ Entry (in 8-9 & 10-11) ☑ Exit (in 8-9) ☑ Propulsion on the belly (in 8-9) ☑ Propulsion on the back (in 8-9 & 10-11) ☑ Submersion (8-9) ☑ Breathing (8-9) ☑ Treading water (8-9 & 10-11) ☑ Floating (6-7 & 8-9) ☑ Rotations (6-7 & 8-9)	*NA*

e. Analyse by age group in Norway

Tests	Positive evolution	Negative evolution	Neutral evolution	Chaotic evolution
Parental questionnaire	↗↗ Number of swimming lessons taken at school ↗ ➡ Number of swimming lessons out-of-school	*NA*	*NA*	*NA*
Child questionnaire	↗ ➡ Confidence in deep water ↗ ➡ Perceived entry in the water ↗ ➡ Perceived exit from the water ↗ ➡ Perceived rotations ↗ ➡ Enjoyment during swimming lessons at school ↗ ➡ Enjoyment during swimming lessons at school with friends	➡ ↘ Enjoyment during swimming lessons out-of-school ↘↘ Enjoyment during swimming lessons out-of-school with friends ➡ ↘ Enjoyment while playing in the swimming pool ↘ ➡ Enjoyment while playing in the swimming pool with friends ↘↘ Enjoyment playing in the swimming pool with family ↘ ➡ Opportunities to do (more) Water Polo ➡ ↘ Opportunities to do (more) artistic swimming ➡ ↘ Opportunities to do (more) diving ➡ ↘ Opportunities to do (more) water sport 1 ➡ ↘ Opportunities to do (more) water sport 2 ➡ ↘ Opportunities to do (more) water sport 3	➡ Intrinsic motivation ➡ Identified motivation ➡ Perceived breathing ➡ Perceived treading water ➡ Perceived propulsion on the back ➡ Perceived submersion ➡ Perceived floating ➡ Opportunities to do (more) water sport 4 ➡ Low risks in swimming pool ➡ High risk in the swimming pool ➡ Low risk in open water ➡ High risk in open water	↗↘ Perceived propulsion on the belly ↗↘ Opportunities to do (more) swimming races
Isolated tasks	↗↗ Entry in the water ↗ ➡ Exit from the water ↗↗ Propulsion on the belly ↗↗ Propulsion on the back ↗↗ Submersion ↗ ➡ Breathing ↗↗ Treading water ↗ ➡ Floating ↗↗ Rotation	*NA*	*NA*	*NA*

Summary of Norway *vs* Europe

The comparative analysis between Norway and the six other participating European countries highlights both strengths and weaknesses in Norwegian children's aquatic literacy.

Overall Comparison

On the strengths side, Norwegian children outperform their European peers in several key areas. They report higher enjoyment in out-of-school swimming lessons (both alone and with friends) and in free play in pools, which underlines the importance of informal and social contexts in Norway. They also express greater interest in doing more swimming races and artistic swimming, and their parents' education levels are comparatively higher, which may positively influence engagement. In terms of skills, Norwegian children show strengths in perceived exit from the water, and isolated floating and rotations, and importantly, they are better at correctly identifying safe, low-risk situations in both pools and open water.

On the weaknesses side, Norwegian children are less confident in deep water, and they score below European peers in certain perceived technical abilities, including breathing, propulsion on the belly, and submersion. They also report lower enjoyment in school-based swimming lessons (both alone and with friends), express less interest in doing more of some aquatic activities, and are weaker at correctly classifying genuinely high-risk situations, both in pools and open water — indicating a gap in hazard recognition.

Sex Differences

Norwegian boys and girls share many strengths compared to Europe, such as perceived exit from the water, enjoyment in out-of-school swimming lessons (both alone and with friends), interest in doing more swimming races, and low-risk recognition in both pools and open water. Norwegian boys appear stronger in some technical skills (breathing and floating). In contrast, girls would like to participate more in water polo, while boys would like more artistic swimming. At the same time, girls report lower confidence in deep water, while boys show lower enjoyment in school-based swimming contexts and in three perceived skills. Both sexes, however, perform worse than European peers in hazard recognition at high-risk situations, and in perceived breathing.

Age Differences

Norwegian children aged 8–9 stand out as a particularly strong group, performing well across all isolated skills (entry, exit, breathing, floating, submersion, rotations, treading water, and propulsion), and reporting higher enjoyment in out-of-school swimming lessons. Children aged 6-7 show strengths in social enjoyment (friends, family and out-of-school lessons) and express interest in doing more water polo and artistic swimming, but they also have fewer

school lessons, lower confidence in deep water, and weaker enjoyment of structured lessons, suggesting less structured exposure. By contrast, children aged 10-11 show technical strengths in entry, propulsion on the back, and treading water, but they report lower enjoyment (both out-of-school and free play) and less interest in doing more diverse aquatic activities, pointing to challenges in sustaining motivation at this age.

Overall, the results show that Norway's national framework is strong on paper, with compulsory provision and a broad curriculum. Norwegian children demonstrate important strengths compared to European peers, especially in free play enjoyment, certain skills, and recognition of safe situations. Yet persistent weaknesses remain in deep-water confidence, perceived breathing and propulsion, school-based enjoyment, high-risk recognition, and disparities in expressed interest for different aquatic activities across age groups.

F. Recommendations

Based on these findings, it is clear that Norway combines significant strengths with targeted weaknesses. Compared to European peers, Norwegian children benefit from strong social enjoyment in out-of-school settings, technical advantages in floating and rotations, interest for doing more swimming races and artistic swimming, and high identification of low-risk situations in swimming pools and open water. However, they struggle with high-risk recognition, confidence in deep water, and enjoyment in school contexts. Within Norway, boys and girls show complementary strengths and weaknesses, while younger children fall behind older peers in both confidence, skills and structured exposure, but show higher enjoyment for playing freely. Also, the 10-11 age-group show the least interest in doing more water activities. To consolidate strengths and address weaknesses, the following recommendations are proposed.

Executive Key Messages for Strengthening Aquatic Literacy in Norway

a. **Ensure consistent implementation of Norway's compulsory swimming curriculum across municipalities.**
   Norway has a strong framework with benchmarks at grades 2, 4, 7, and 10, but outcomes vary widely between municipalities and within. Strengthening follow-up and accountability would ensure that all children, regardless of region and location, benefit equally from the compulsory program.

b. **Introduce more structured aquatic familiarisation at age 6–7 and increase enjoyment during school lessons.**
   Six- to seven-year-olds receive fewer lessons, enjoy school-based lessons less, and show weaker confidence in deep water compared to peers. Ensuring a minimum number of structured lessons in these grades, delivered through playful, confidence-building approaches, would help even out disparities and strengthen early engagement.

c. **Balance Norway's reliance on swimming pools with structured, safe exposure to open water.**
   Children identify safe, low-risk situations well but struggle with genuinely high-risk ones. Incorporating supervised open-water experiences into the curriculum, alongside pool-based instruction, could improve hazard recognition and prepare children for Norway's natural aquatic environments.

d. **Reduce variability in teacher training to improve perceived skills, enjoyment, and hazard recognition.**
   Differences in teacher training and preparation contribute to weaknesses in perceived breathing, propulsion, submersion, and enjoyment of school-based

lessons. Standardised training should equip all teachers to deliver technical skills, motivate children, and integrate hazard-recognition education into lessons.

e. **Ensure all children are assessed and monitored through the national swimming test in grade 4.**
Although all children should pass the grade 4 swimming test, many do not, and the test is not always administered consistently. Ensuring universal testing, building teacher capacity to prepare children, and creating a national directory of results would provide a clear overview of progress and highlight where support is needed.

f. **Bridge the gap between Norway's comprehensive curriculum on paper and uneven outcomes in practice.**
The curriculum covers a wide range of skills, but weaknesses persist in perceived breathing, propulsion, submersion, hazard recognition, and enjoyment in school contexts. Lessons should emphasise these skills while also responding to children's interests — such as more races, artistic swimming, and water polo — to sustain motivation across ages.

g. **Adapt implementation to Norway's geography, infrastructure, and climate.**
Rural municipalities face access challenges, while urban centers may focus on variety. Flexible solutions — including transport subsidies, shared facilities, or mobile teaching units — combined with family-based aquatic play, would ensure equity and reinforce safety awareness nationwide.

a. Curriculum management

Take-home message: *Ensure consistent implementation of Norway's compulsory swimming curriculum across municipalities.*

Norway is among the European countries with a clear national mandate for swimming instruction, supported by a comprehensive curriculum framework and progression benchmarks in grades 2 (6-7 y), 4 (8-9 y), 7 (11-12 y), and 10 (14-15 y). These benchmarks set out important expectations for skill development, from basic aquatic confidence in the early grades to advanced swimming and safety competencies by lower secondary school. However, the results of this study suggest that while the framework is well-designed, implementation in practice remains uneven.

Children's outcomes vary considerably depending on municipality and school, which indicates that not all pupils benefit equally from the benchmarks. Younger children (6–7 years) in particular show weaker confidence in deep water, lower perceived skills, and fewer school-based lessons compared to older peers, pointing to an inconsistent starting point. To realise the full potential of the benchmarks, it is necessary to strengthen systematic follow-up and quality

assurance, ensuring that schools not only schedule swimming lessons but also align their teaching practices with national progression goals.

A stronger link between the national benchmarks and local accountability mechanisms could help reduce disparities. This might include reporting requirements, supportive inspections, and capacity-building for schools that face resource challenges. In this way, Norway can move from a strong curriculum "on paper" to equally strong and predictable outcomes "in practice," ensuring equity across regions and socio-economic contexts.

b. Timetable / Starting age

Take-home message: *Introduce more structured aquatic familiarisation at age 6-7 and increase enjoyment during swimming lessons at school.*

Norwegian children typically begin structured swimming lessons at school around age 6–7, in line with the compulsory framework. While this ensures near-universal coverage, regional differences occur in terms of how many lessons children receive during the first grades. The results show that children at this age lag their European peers in number of swimming lessons at school, enjoyment during swimming lessons at school (also with friends) and deep water confidence. Still, they score higher than their European peers for floating and rotations, and equal for the seven other isolated skills.

Norway could benefit from introducing pre-school aquatic familiarisation opportunities before age 6. Such programs could be offered in collaboration with kindergartens, local sports clubs, or community pools, ensuring wide reach. Together with more structured aquatic familiarisation during the first grades, this could even out differences within the class before starting more intensive swimming lessons at age 8-9, and ensure that regional differences do not occur by advising a minimum number of swimming lessons for 6–7-year-olds.

School lessons must be developmentally appropriate and emphasise playful, social learning, with a focus on water confidence, submersion, floating, and enjoyment in order to help increase enjoyment and deep water confidence. Earlier familiarisation would not only improve confidence in deep water but also help reduce disparities between children who have access to family-based aquatic play and those who do not. By the time pupils reach grade 2 benchmarks, they would already have a stronger foundation, making it easier for teachers to deliver the expected curriculum with less variations in starting levels.

c. Localisation and equipment

Take-home message: *Balance Norway's reliance on swimming pools with structured, safe exposure to open water.*

The majority of school swimming lessons in Norway take place in pools, reflecting infrastructure availability and a longer tradition of pool-based instruction. This environment is

safe, structured, and highly suitable for teaching basic techniques. However, the results show that Norwegian children are consistently weaker than European peers in recognising genuinely high-risk situations, both in pools and in open water. While they are good at identifying safe, low-risk situations, they often fail to correctly classify dangerous ones.

This gap may be explained by a lack of structured exposure to natural aquatic environments such as lakes, fjords, and the sea, which play a central role in Norwegian life. To better prepare children for real-life risks, instruction should combine pool-based lessons with carefully managed open-water experiences. Schools could make use of supervised natural environments during the school year, incorporating hazard-recognition exercises as an integral part of the curriculum.

Additionally, ensuring equitable access to well-equipped facilities remains important. Municipalities differ in their infrastructure, and smaller or rural areas may struggle to provide consistent access to pools or safe outdoor environments. National or regional support in the form of transport subsidies, more shared facilities, and mobile teaching resources would help reduce these disparities and ensure that all children, regardless of location, receive balanced exposure to both pools and open water.

d. Staff training and Development

Take-home message: *Reduce variability in teacher training to improve perceived skills, enjoyment, and hazard recognition.*

Although swimming is compulsory, not all teachers responsible for delivering aquatic instruction receive specific or standardised training. The study results highlight weaknesses in children's perceived breathing, propulsion, and submersion, alongside lower enjoyment in school-based contexts. These patterns suggest that instruction quality varies significantly and that teachers may not always be equipped to teach effectively or to motivate children.

A nationally standardised teacher training module would help address this variability. Such training should cover technical instruction in breathing, propulsion, and treading water, as well as pedagogical approaches that make school-based lessons more enjoyable. Game-based, social learning strategies could be emphasised to align with children's expressed enjoyment in out-of-school and free-play contexts.

Importantly, training should also include hazard-recognition education. Norwegian children are weaker at identifying high-risk situations, indicating that this is not consistently addressed in current teaching practices. By equipping teachers to integrate safety and risk awareness into lessons, instruction can move beyond stroke technique to embrace a broader conception of aquatic literacy.

e. Assessment and Monitoring

Take-home message: *Ensure all children are assessed and monitored through the national swimming test in grade 4, supported by competent teaching and systematic reporting.*

Norway already has a standardised national assessment framework with benchmarks in grades 2, 4, 7, and 10. The most central milestone is the grade 4 swimming competency test, which specifies that by this stage all children should be able to swim 200 meters. In practice, however, many children do not achieve this requirement, and there is evidence that the test is not consistently conducted in all schools. In some cases, hybrid or locally adapted tests are used, which undermines comparability and the reliability of national statistics.

The main priority is therefore to ensure that every child is given the opportunity to perform the official grade 4 test, and that teachers have the necessary competence to prepare children adequately. This requires not only technical training in swimming instruction but also pedagogical strategies to improve perceived skills, confidence, and enjoyment — factors that strongly influence children's performance on the test.

To strengthen monitoring, it would also be highly valuable to establish a national directory of swimming test results. Such a system would make it possible to track the percentage of children passing and failing the test, and to identify exactly which skills are most problematic (e.g., breathing, propulsion, or confidence in deep water). This data would provide a much clearer national overview, helping policymakers to target support to specific skills, age groups, or municipalities where weaknesses are concentrated.

In this way, the grade 4 swimming test could function as a true national checkpoint, not only in principle but in practice, ensuring that all children are both tested and supported on their way to achieving aquatic literacy.

f. Curriculum Contents

Take-home message: *Bridge the gap between Norway's comprehensive curriculum on paper and uneven outcomes in practice.*

The Norwegian curriculum includes a broad set of aquatic skills, ranging from entries and propulsion to diving and floating. However, the results reveal persistent weaknesses in perceived breathing, propulsion, submersion, and hazard recognition, as well as lower enjoyment in school contexts. At the same time, children express strong interest in doing more of some activities (swimming races, artistic swimming, water polo) but less in others, pointing to uneven engagement.

This suggests that while the curriculum is comprehensive, it is not always delivered in ways that address children's needs or interests. Greater emphasis should be placed on practical breathing and submersion exercises, coupled with structured opportunities for hazard-recognition scenarios. Furthermore, integrating children's expressed interests into school

lessons would help increase motivation and enjoyment. For example, offering more playful competition, opportunities to explore artistic elements, or exposure to team games such as water polo could align instruction with children's preferences.

By ensuring that the curriculum is not only broad on paper but also engaging and responsive in practice, Norway can address current weaknesses while capitalising on children's enthusiasm for aquatic activities.

Take-home Summary Box — Norway Recommendations

a. **Ensure consistent implementation of Norway's compulsory swimming curriculum across municipalities.**

b. **Introduce more structured aquatic familiarisation at age 6–7 and increase enjoyment during school lessons.**

c. **Balance Norway's reliance on swimming pools with structured, safe exposure to open water.**

d. **Reduce variability in teacher training to improve perceived skills, enjoyment, and hazard recognition.**

e. **Ensure all children are assessed and monitored through the national swimming test in grade 4.**

f. **Bridge the gap between Norway's comprehensive curriculum on paper and uneven outcomes in practice.**

(These recommendations address Norway's main weaknesses: deep-water confidence, perceived breathing/propulsion/submersion, lower enjoyment in school contexts, high-risk recognition, inconsistent delivery of the grade 4 test, and regional disparities — while consolidating strengths in out-of-school enjoyment, free play, selected technical skills, and recognition of safe, low-risk situations.)

F. Limits and Challenges

Take-home message: *Adapt implementation to Norway's geography, infrastructure, and climate, with a focus on risk-perception.*

Norway's unique geography and climate create structural barriers for swimming education. Many rural municipalities lack easy access to pools, and the short outdoor season limits opportunities for open-water instruction. These factors contribute to uneven outcomes, as some children have frequent and varied exposure while others receive only minimal instruction.

Addressing these disparities requires adaptive solutions. Rural municipalities may benefit from transport subsidies, regional facility sharing, or mobile aquatic teaching units, while urban municipalities could focus on broadening activity variety and integrating hazard-recognition into diverse contexts. National policy should recognise these local realities and provide differentiated support to ensure fairness.

Finally, the study results show that Norwegian children enjoy free play in water with family and friends, and this informal context is a major strength. Encouraging parental involvement and family-based aquatic experiences could reinforce formal lessons and support children in developing both enjoyment and safety awareness outside of school.

Conclusion

Norway's aquatic education system is built on a strong national framework with clear benchmarks and compulsory provision, and Norwegian children show notable strengths in free play enjoyment, selected technical skills, and recognition of safe situations. Yet persistent challenges remain — particularly in deep-water confidence, enjoyment of school-based lessons, hazard recognition, and the consistent delivery of the grade 4 swimming test. Addressing these weaknesses through earlier and more engaging familiarisation, stronger teacher training, balanced exposure to open water, and systematic monitoring will help ensure that **all Norwegian children, regardless of age, sex, or region, achieve the aquatic literacy needed for both safety and lifelong participation.**

"From strong policy to strong practice: Norway must ensure that every child, in every region, gains the skills, confidence, and safety awareness to be truly aquatic literate."

CHAPTER 8. Aquatic Literacy level in Poland

A. Representative sample of the country

Polish cities participating in the study

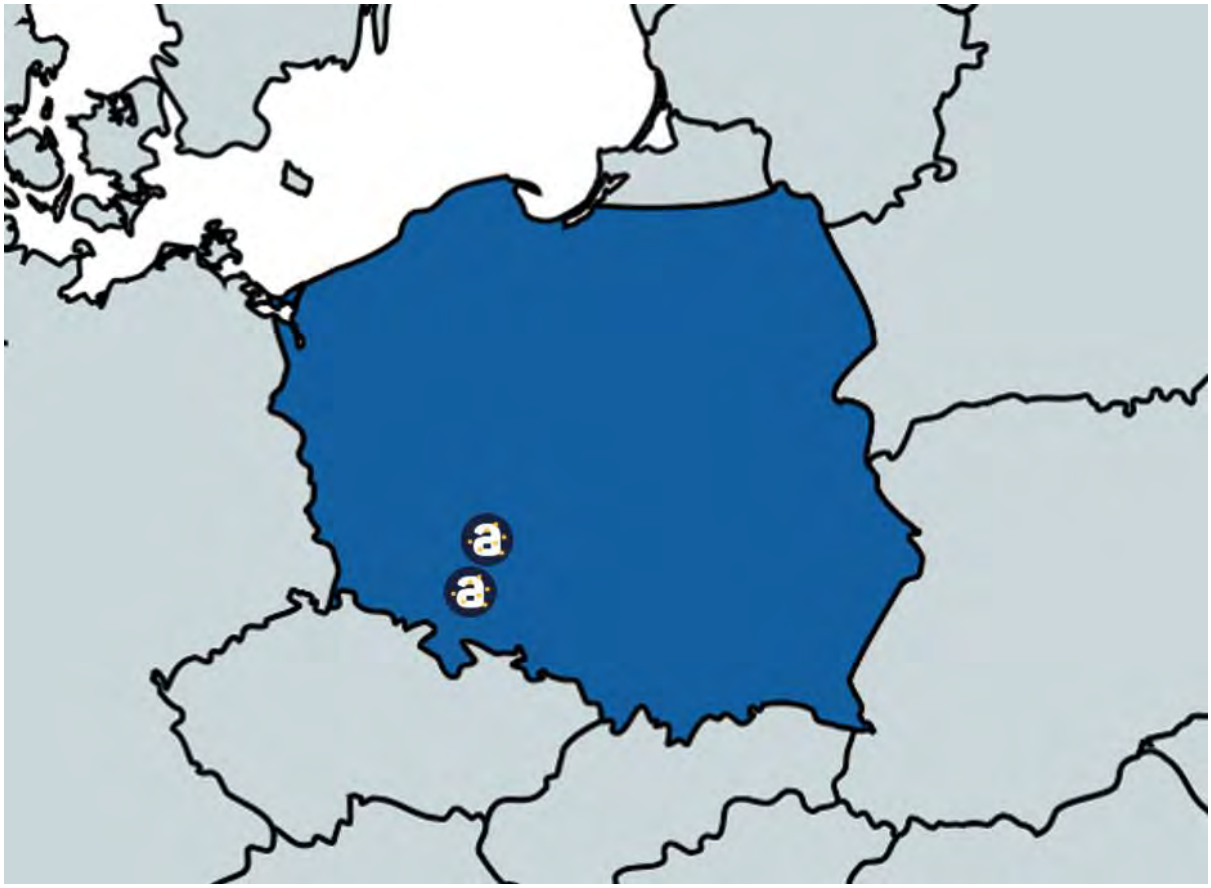


Figure 648. Polish cities participating in the study.

Figure 648 presents the Polish cities that took part in the study. Two cities participated: Wrocław and Oborniki Śląskie.

Rounded numbers

Table 1111. Number of participants for each part of the test in Poland and in Europe.

	Parental questionnaire *n*=	Child questionnaire *n*=	Isolated tasks test *n*=
Poland	260	257	
Europe	2,877	2,759	
Total	**3,137**	**3,016**	**2,531**

Notes. Europe represents the other countries participating in the study (i.e., Poland, Germany, Lithuania, Norway, Poland and Portugal).

Table 1111. Number of participants for each part of the test in Poland and in Europe. presents the number of respondents for each part of the test.

Samples

Table 1112. Representativity of the sample according to the sex and the age group in each part of the test for the Polish sample.

		Parental questionnaire *n= (%)*	**Child questionnaire** *n= (%)*	**Isolated tasks test** *n= (%)*
Sex	**Boys**	134	131	130
	Girls	126	126	115
Age group	**6-7 yo**	72	72	66
	8-9 yo	53	53	50
	10-12 yo	135	132	126

Notes. *yo=year-olds.*

Table 1113. Representativity of the sample according to the sex and the age group in each part of the test for the European sample.

		Parental questionnaire *n= (%)*	**Child questionnaire** *n= (%)*	**Isolated tasks test** *n= (%)*
Sex	**Boys**	1,447	1,387	1,150
	Girls	1,430	1,372	1,136
Age group	**6-7 yo**	908	842	655
	8-9 yo	1,189	1,149	993
	10-12 yo	780	768	638

Notes. *yo=year-olds*

Table 1112 presents the representative Polish sample according to the sex and the age group in each part of the test, and **Table 1113** the European representative sample.

B. Parental questionnaire

Descriptive statistics

Table 1114. Number of caregivers answering to the different question of the questionnaire.

Country	Sex	Age group	Parental education (n=)	Number of lessons at school (n=)	Number of lessons out of school (n=)	Do parents can swim? (n=)
Europe	Boys	6-7	408	381	395	428
		8-9	573	527	561	630
		10-11	358	307	334	376
	Girls	6-7	431	421	433	472
		8-9	502	474	492	550
		10-11	367	323	358	395
Poland	Boys	6-7	32	31	32	33
		8-9	25	25	26	26
		10-11	73	69	69	75
	Girls	6-7	39	36	38	39
		8-9	27	26	26	27
		10-11	59	51	48	60
Total			**2,894**	**2,671**	**2,812**	**3,111**

Notes. Europe: Belgium, France, Germany, Lithuania, Norway and Portugal.

Table 1115. Descriptive analyse of the parental questionnaire.

Country	Sex	Age group	Parental education Mean (±SD)	Number of lessons at school Mean (±SD)	Number of lessons out-of-school Mean (±SD)	Do parents can swim? Mean (±SD)
Europe	Boys	6-7	4.51 (±0.95)	1.67 (±1.2)	2.37 (±1.62)	1.4 (±0.69)
		8-9	4.42 (±0.95)	2.65 (±1.54)	2.65 (±1.71)	1.38 (±0.69)
		10-11	4.43 (±0.97)	3.45 (±1.56)	2.96 (±1.71)	1.46 (±0.66)
	Girls	6-7	4.45 (±0.93)	1.78 (±1.23)	2.35 (±1.68)	1.35 (±0.71)
		8-9	4.4 (±1)	2.55 (±1.51)	2.63 (±1.76)	1.39 (±0.69)
		10-11	4.3 (±1.08)	3.57 (±1.53)	2.97 (±1.76)	1.49 (±0.65)
Poland	Boys	6-7	4.82 (±0.6)	2 (±1.64)	3.29 (±1.77)	1.49 (±0.67)
		8-9	4.92 (±0.4)	2.16 (±1.7)	2.74 (±2)	1.66 (±0.63)
		10-11	4.8 (±0.6)	2.86 (±1.8)	3.37 (±1.7)	1.52 (±0.53)
	Girls	6-7	4.95 (±0.33)	2.25 (±1.7)	4.11 (±1.51)	1.7 (±0.53)
		8-9	4.78 (±0.65)	1.62 (±1.48)	3.04 (±1.74)	1.75 (±0.53)
		10-11	4.85 (±0.52)	3.3 (±1.81)	3.57 (±1.64)	1.62 (±0.56)

Notes. Europe: Belgium, France, Germany, Lithuania, Norway and Portugal.

a. Parental Education

Overview

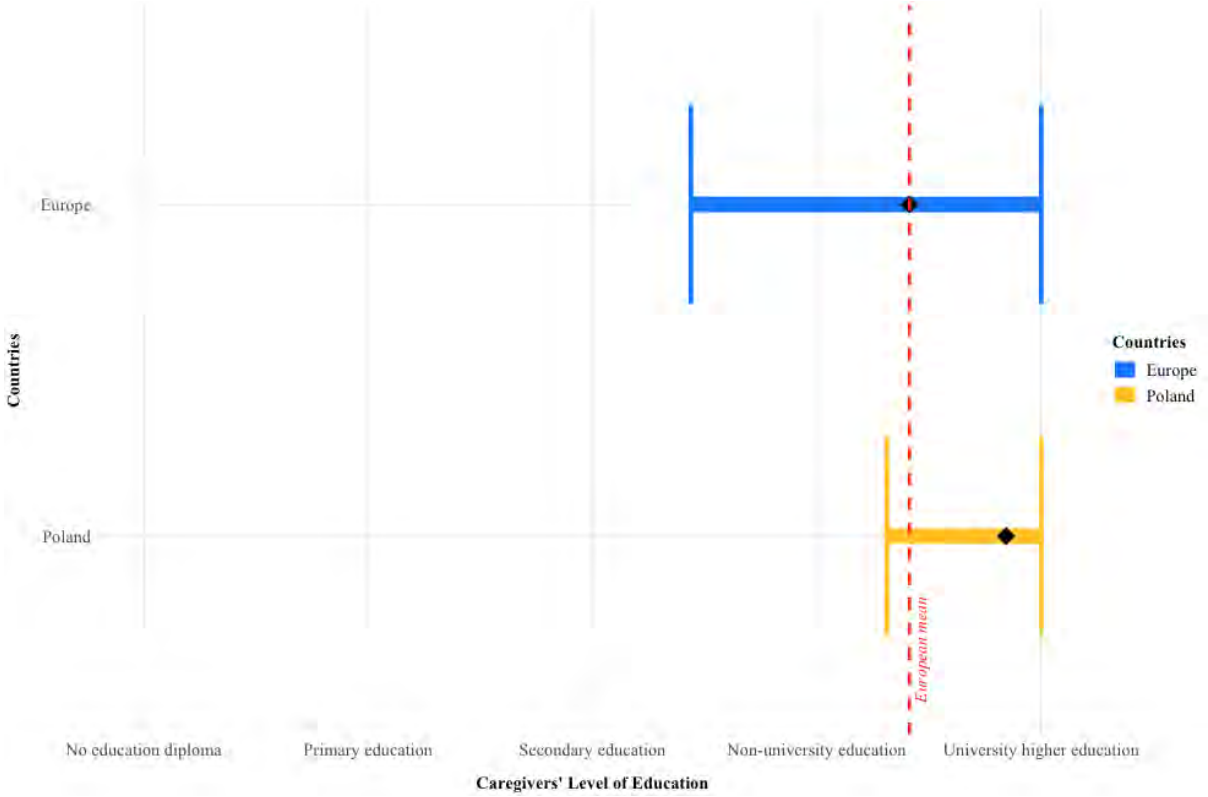


Figure 649. Distribution of the Caregivers' Level of Education in Europe and in Poland (Mean±SD).

Table 1116. Comparative Analysis of Caregivers' Level of Education in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	255	2,639	1.8^{e-15} ***	0.24 [b]	0.96 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

b. Number of lessons in school

Overview

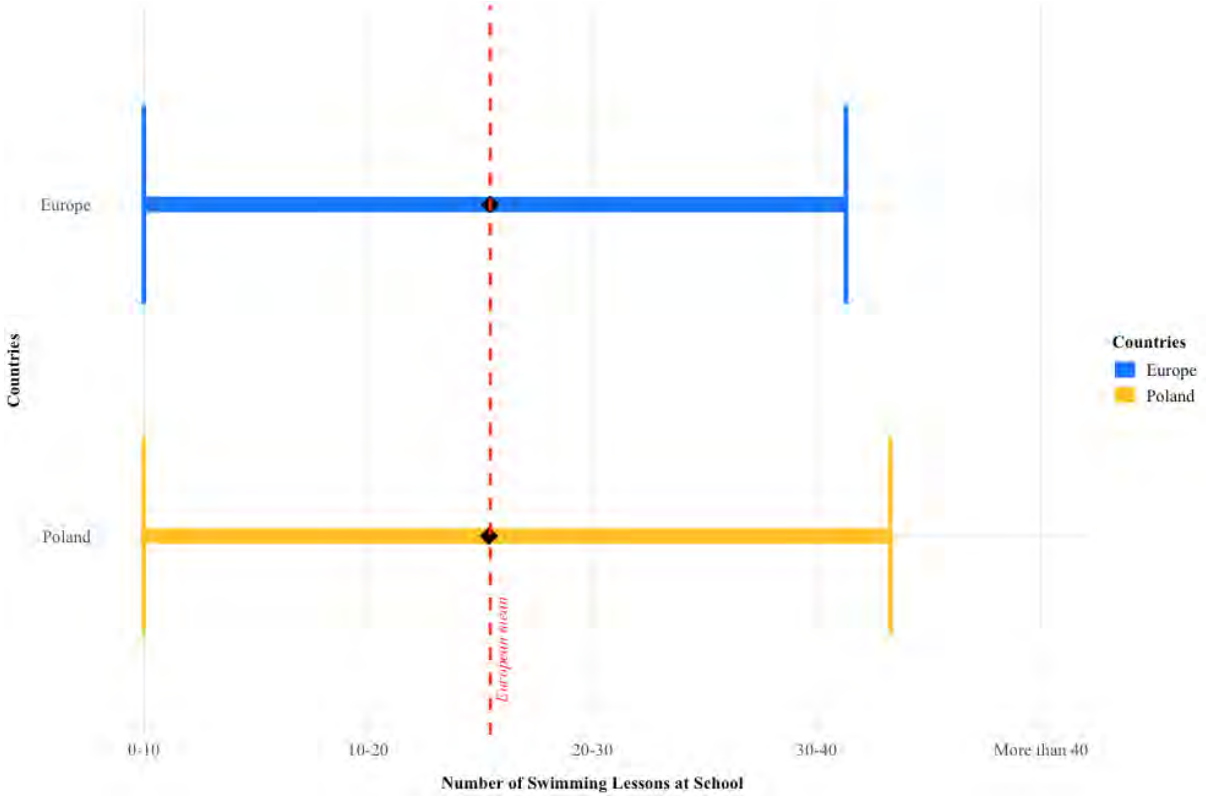


Figure 650. Distribution of the the Number of Lessons at School in Europe and in Poland (Mean±SD).

Table 1117. Comparative Analysis of the Number of Lessons at School in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	238	2,433	0.29	0.04 [a]	0.09 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

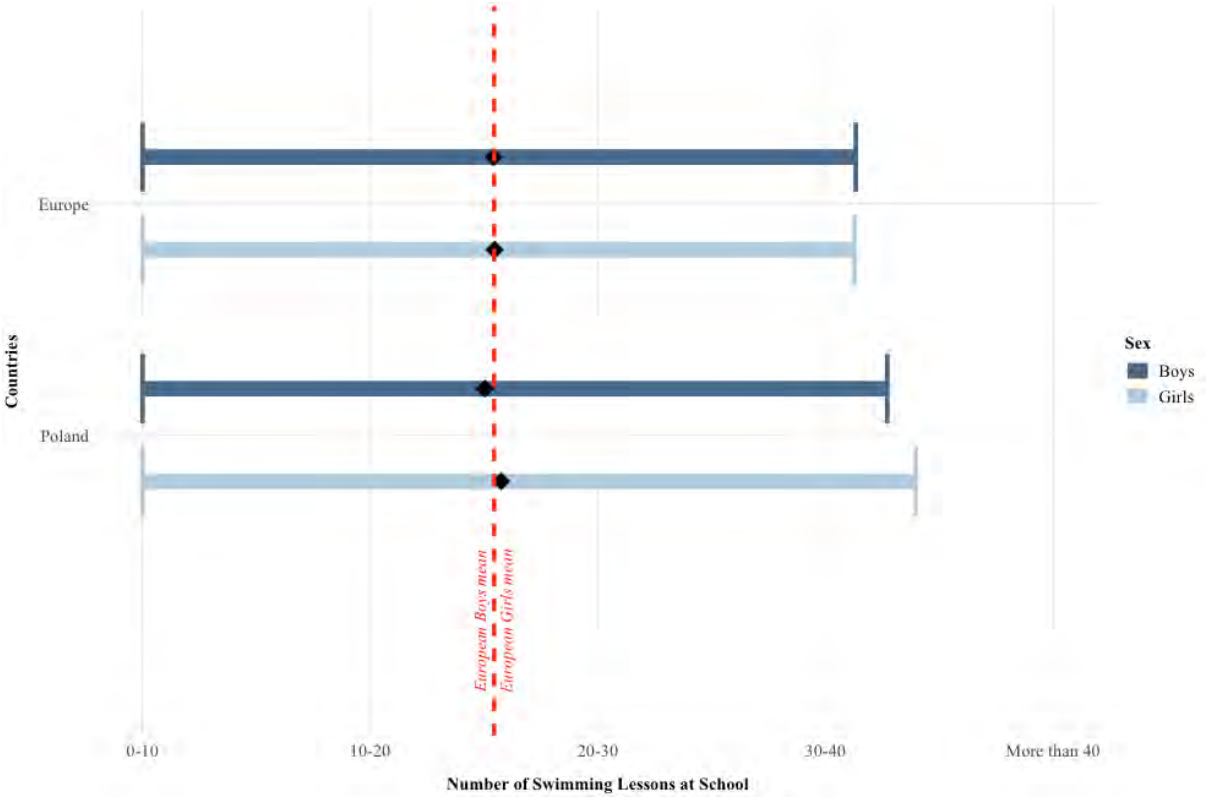


Figure 651. Distribution of the the Number of Lessons at School according to the Sex in Europe and in Poland (Mean±SD).

Table 1118. Comparative Analysis of the Number of Lessons at School in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	Boys	125	0.35	0.35	0.02 [a]	0.08 [1]
	Girls	113	1,218	0.58	0.01 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1119. Comparative Analysis of the Number of Lessons at School in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland	Boys *vs* Girls	125	113	0.74	0.02 [a]	0.06 [a]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

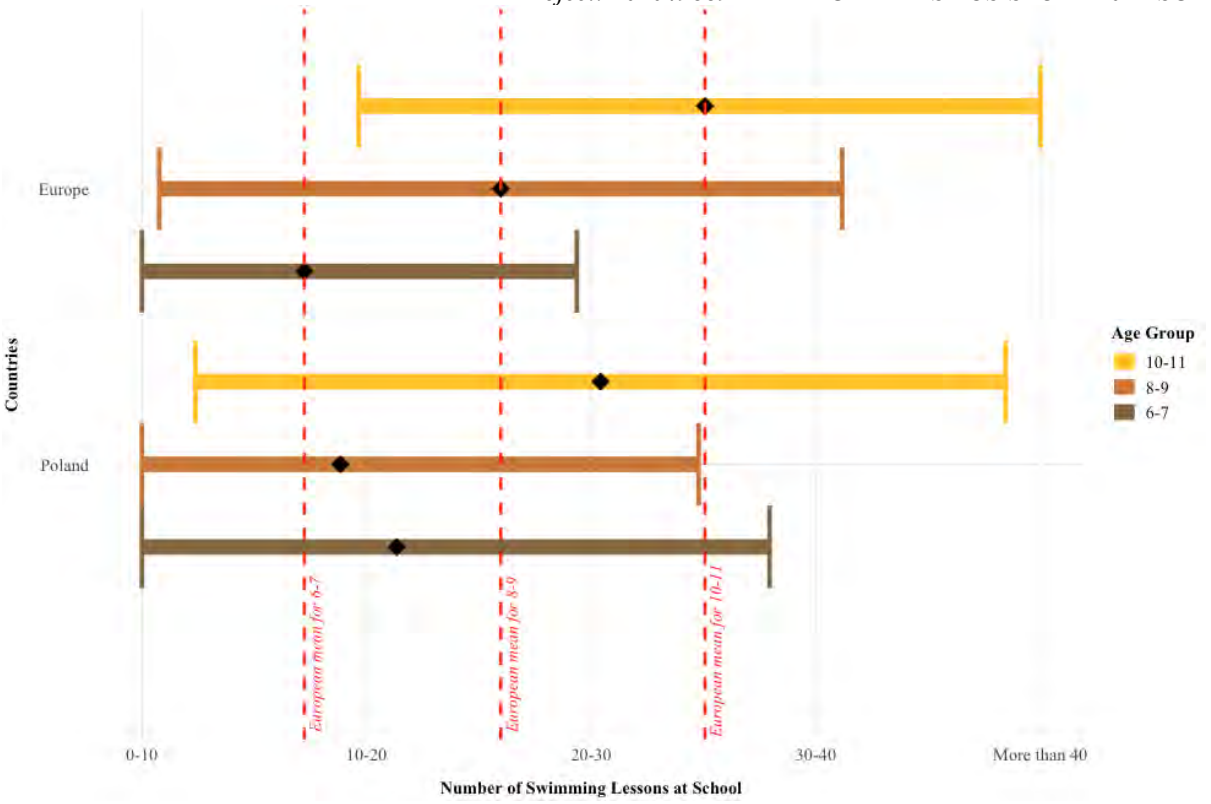


Figure 652. Distribution of the the Number of Lessons at School according to the Age Group in Europe and in Poland (Mean±SD).

Table 1120. Comparative Analysis of the Number of Lessons at School in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	67	802	0.24	0.03 [a]	0.08 [1]
	8-9 yo	51	1,001	6.08^{e-5} ***	0.12 [a]	0.39 [1]
	10-11 yo	120	630	0.01 *	0.09 [a]	0.44 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1121. Comparative Analysis of the Number of Lessons at School in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	67	51		0.31	0.08 [a]	0.13 [1]
	8-9 yo *vs* 10-11 yo		51	120	4.53^{e-05} ***	0.29 [b]	0.95 [4]
	6-7 yo *vs* 10-11 yo	67		120	4.41^{e-04} ***	0.24 [b]	0.89 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

c. Number of lessons out-of-school

Overview

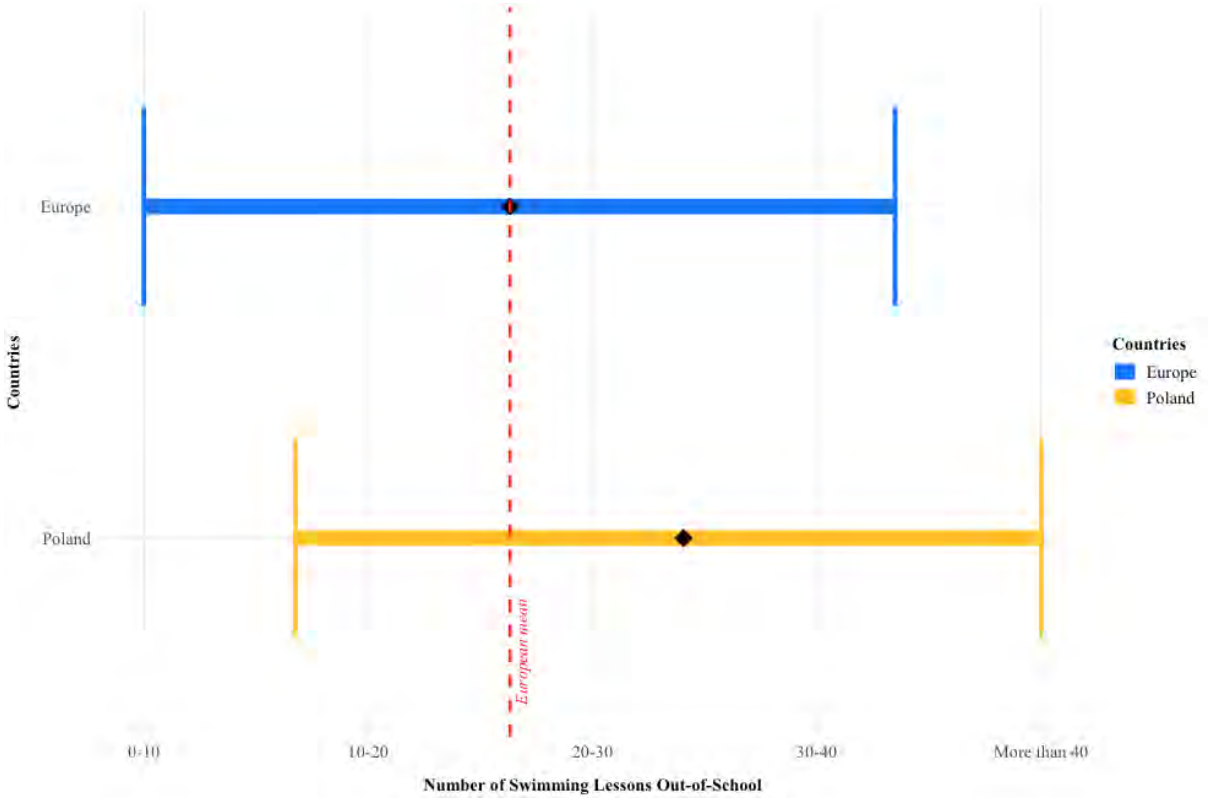


Figure 653. Distribution of the the Number of Lessons Out-of-School in Europe and in Poland (Mean±SD).

Table 1122. Comparative Analysis of the Number of Lessons Out-of-School in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	239	2,573	6.08^{e-11} ***	0.12 [a]	0.93 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

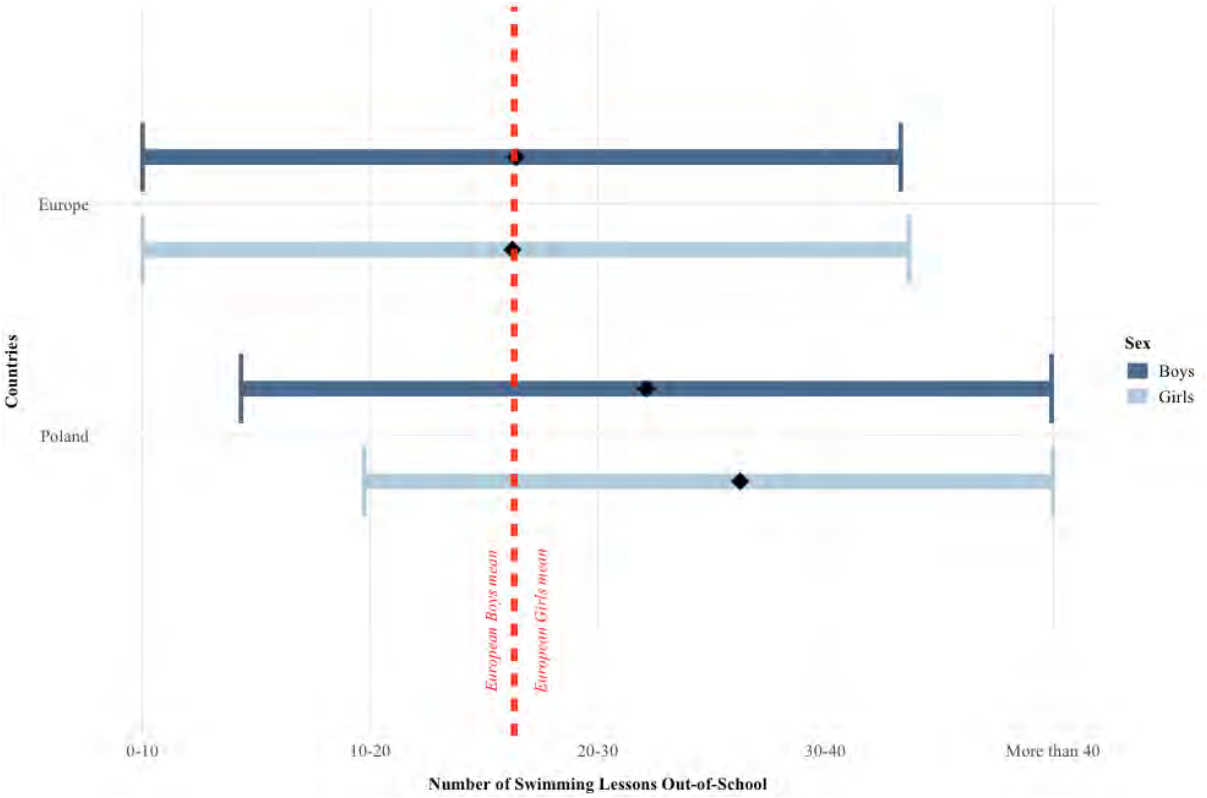


Figure 654. Distribution of the the Number of Lessons Out-of-School according to the Sex in Europe and in Poland (Mean±SD).

Table 1123. Comparative Analysis of the Number of Lessons Out-of-School in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	Boys	127	1,290	4.62^{e-09} ***	0.09 [a]	0.48 [2]
	Girls	112	1,283	7.58^{e-09} ***	0.15 [a]	0.85 [3]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1124. Comparative Analysis of the Number of Lessons Out-of-School in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland	Boys *vs* Girls	127	112	0.08	0.1 [a]	0.67 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

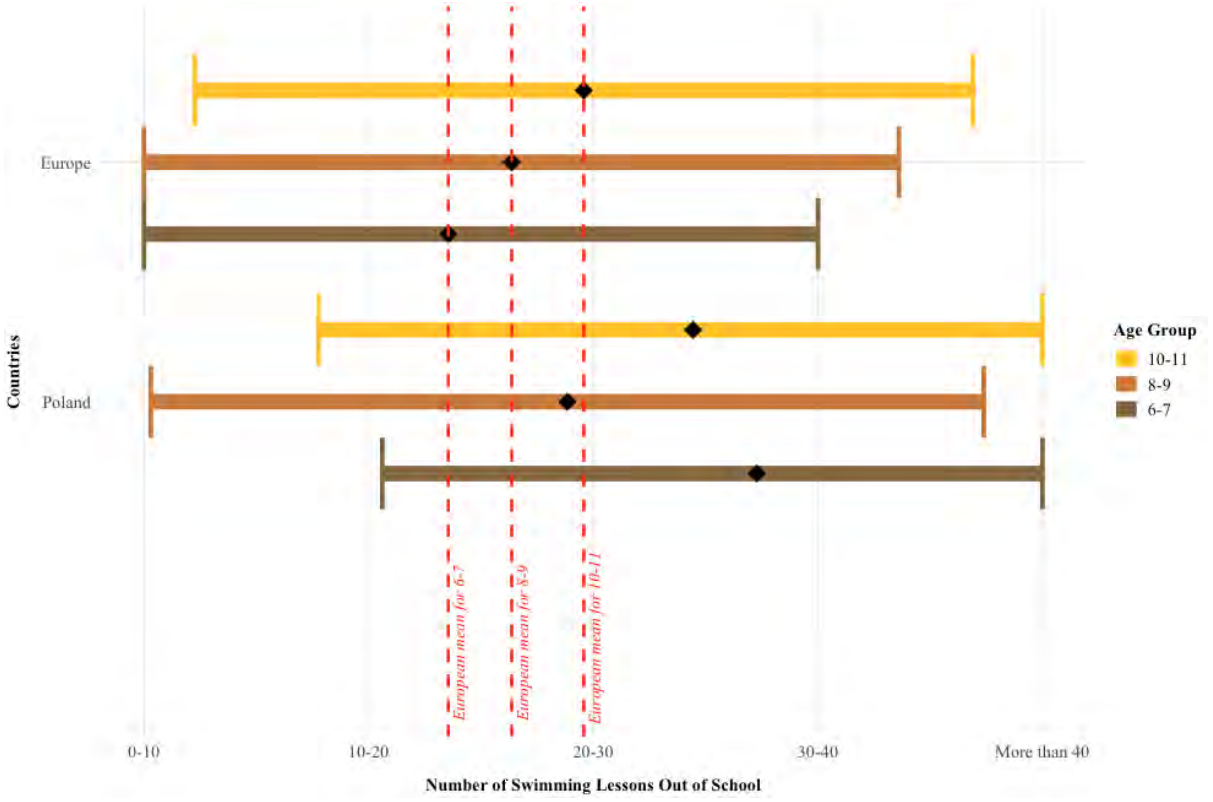


Figure 655. Distribution of the the Number of Lessons Out-of-School according to the Age Group in Europe and in Poland (Mean±SD).

Table 1125. Comparative Analysis of the Number of Lessons Out-of-School in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	70	828	1.78^{e-10} ***	0.2 [a]	0.9 [4]
	8-9 yo	52	1,053	0.33	0.03 [a]	0.07 [1]
	10-11 yo	117	692	0.006 **	0.09 [a]	0.45 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1126. Comparative Analysis of the Number of Lessons Out-of-School in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	70	52		0.01 *	0.21 [b]	0.64 [2]
	8-9 yo *vs* 10-11 yo		52	117	0.1	0.12 [a]	0.31 [1]
	6-7 yo *vs* 10-11 yo	70		117	0.15	0.1 [a]	0.25 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

d. Do parents/caregivers know to swim?

Overview

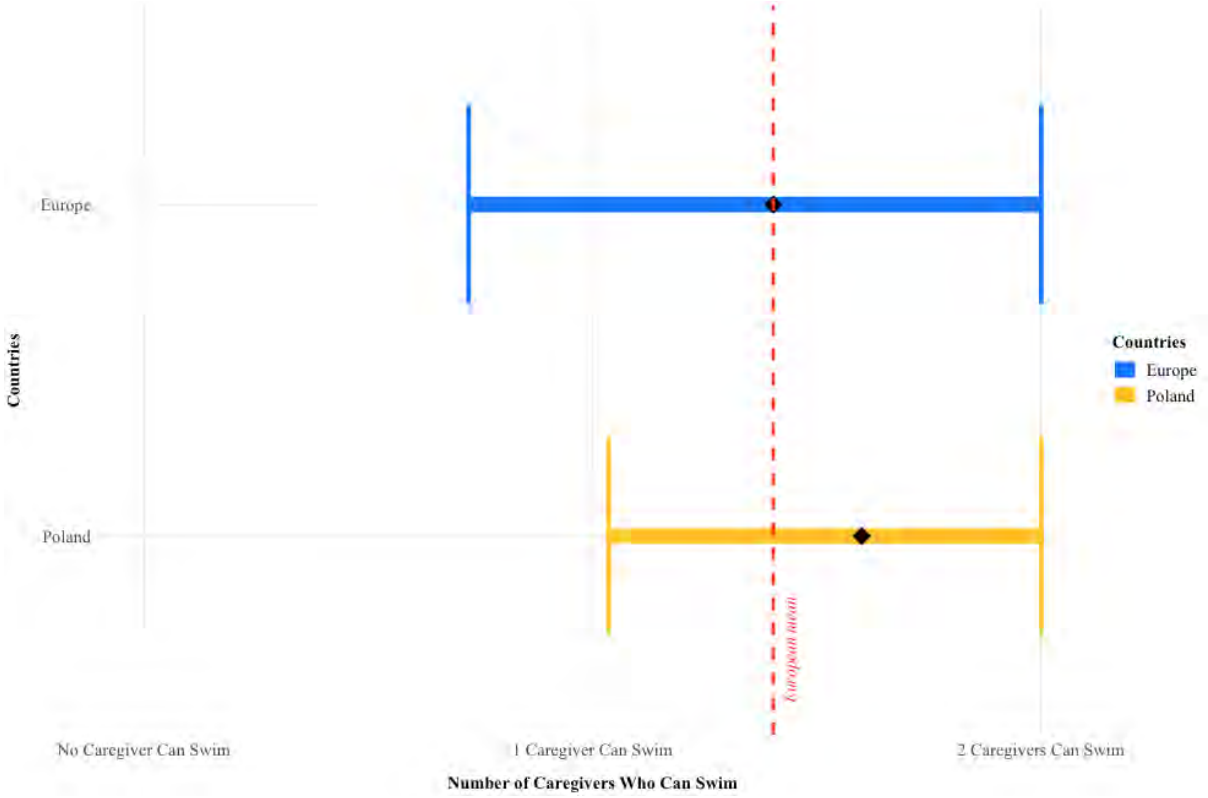


Figure 656. Distribution of the the Number of Caregivers Who Can Swim in Europe and in Poland (Mean±SD).

Table 1127. Comparative Analysis of the Number of Caregivers Who Can Swim in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	260	2,851	1.21^{e-05} ***	0.14 [a]	0.58 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

C. Child questionnaire

Descriptive analysis

Table 1128. Number of children answering to the child questionnaire

Country	Sex	Age group	Intrinsic motivation (n=)	Identified motivation (n=)	Confidence in deep water (n=)	Perceived entry (n=)	Perceived exit (n=)
Europe	Boys	6-7	400	400	395	357	366
		8-9	614	614	609	563	562
		10-11	371	371	370	350	349
	Girls	6-7	439	439	435	411	413
		8-9	532	532	530	497	505
		10-11	396	396	391	370	376
Poland	Boys	6-7	31	31	31	31	32
		8-9	26	26	26	26	26
		10-11	72	72	72	70	71
	Girls	6-7	38	38	38	38	39
		8-9	27	27	27	22	26
		10-11	60	60	58	60	60
Total			**3,006**	**3,006**	**2,982**	**2,795**	**2,825**

Country	Sex	Age group	Perceived rotation (n=)	Perceived breathing (n=)	Perceived treading (n=)	Perceived back propulsion (n=)	Perceived belly propulsion (n=)
Europe	Boys	6-7	338	371	371	367	366
		8-9	521	585	579	567	568
		10-11	319	348	354	349	343
	Girls	6-7	387	410	409	409	403
		8-9	463	502	505	495	500
		10-11	343	371	374	367	369
Poland	Boys	6-7	31	31	30	29	28
		8-9	26	26	26	25	26
		10-11	71	72	72	72	71
	Girls	6-7	36	37	37	35	36
		8-9	25	27	27	27	27
		10-11	58	58	60	60	60
Total			**2,618**	**2,838**	**2,844**	**2,802**	**2,787**

Country	Sex	Age group	Perceived submersion (n=)	Perceived floatation (n=)	Like lessons at school (n=)	Like lessons at school with friends (n=)	Like lessons out-of- school (n=)
Europe	Boys	6-7	365	365	227	227	270
		8-9	569	570	484	487	423
		10-11	347	348	332	332	275
	Girls	6-7	406	401	268	273	317
		8-9	497	501	414	417	348
		10-11	367	371	373	377	274
Poland	Boys	6-7	29	31	16	19	25
		8-9	26	26	12	16	22
		10-11	71	71	52	57	66
	Girls	6-7	37	39	20	22	32
		8-9	27	27	13	14	24
		10-11	60	60	49	49	59
Total			**2,801**	**2,810**	**2,260**	**2,290**	**2,135**

Notes. Europe: Belgium, France, Germany, Lithuania, Norway and Portugal.

Table 1128. Cont.

Country	Sex	Age group	Like lessons out-of- school with friends (n=)	Like paying in the pool (n=)	Like paying in the pool with friends (n=)	Like paying in the pool with family (n=)
Europe	Boys	6-7	290	381	376	379
		8-9	425	589	577	584
		10-11	266	364	358	354
	Girls	6-7	329	414	413	410
		8-9	372	524	513	511
		10-11	283	387	388	384
Poland	Boys	6-7	24	29	28	28
		8-9	21	25	26	26
		10-11	66	69	69	70
	Girls	6-7	33	38	38	38
		8-9	24	26	26	26
		10-11	60	60	60	60
Total			**2,195**	**2,906**	**2,872**	**2,870**

Country	Sex	Age group	Swimming Race (n=)	Water-Polo (n=)	Synchronised Swimming (n=)	Diving (n=)	Activity 1 (n=)	Activity 2 (n=)
Europe	Boys	6-7	381	382	374	375	379	381
		8-9	602	598	603	601	601	598
		10-11	366	364	360	360	362	360
	Girls	6-7	429	429	422	422	421	425
		8-9	530	523	525	523	525	526
		10-11	397	396	391	389	391	387
Poland	Boys	6-7	31	31	30	31	30	28
		8-9	25	25	25	25	25	25
		10-11	70	70	70	70	69	69
	Girls	6-7	38	38	38	38	36	37
		8-9	25	25	25	26	25	25
		10-11	59	60	60	60	58	59
Total			**2,953**	**2,941**	**2,923**	**2,920**	**2,922**	**2,920**

Country	Sex	Age group	Activity 3 (n=)	Activity 4 (n=)	Low risk in the pool (n=)	High risk in the pool (n=)	Low risk open water (n=)	High risk open water (n=)
Europe	Boys	6-7	376	381	392	390	393	393
		8-9	595	599	612	613	612	612
		10-11	363	364	367	368	366	366
	Girls	6-7	425	428	437	436	435	434
		8-9	521	524	533	532	534	533
		10-11	391	387	395	395	395	396
Poland	Boys	6-7	29	30	31	31	30	30
		8-9	25	24	25	25	25	25
		10-11	68	68	70	69	68	68
	Girls	6-7	39	39	39	39	36	36
		8-9	25	25	27	27	26	26
		10-11	59	57	60	60	60	60
Total			**2,916**	**2,926**	**2,988**	**2,985**	**2,980**	**2,979**

Notes. Europe: Belgium, France, Germany, Lithuania, Norway and Portugal.

Table 1129. Descriptive analyse of the child questionnaire.

Country	Sex	Age group	Intrinsic motivation Mean (±SD)	Identified motivation Mean (±SD)	Confidence in deep water Mean (±SD)	Perceived entry Mean (±SD)	Perceived exit Mean (±SD)
Europe	Boys	6-7	4.55 (±0.76)	4.19 (±0.92)	3.4 (±1.65)	3.86 (±1.59)	4.28 (±1.43)
		8-9	4.51 (±0.67)	4.15 (±0.82)	3.88 (±1.43)	4.18 (±1.32)	4.58 (±1.03)
		10-11	4.59 (±0.54)	4.24 (±0.65)	4.3 (±1.02)	4.56 (±0.92)	4.74 (±0.77)
	Girls	6-7	4.64 (±0.69)	4.22 (±0.85)	3.33 (±1.67)	3.44 (±1.77)	4.06 (±1.53)
		8-9	4.63 (±0.59)	4.26 (±0.71)	3.7 (±1.4)	3.88 (±1.38)	4.41 (±1.2)
		10-11	4.51 (±0.63)	4.2 (±0.68)	4.08 (±1.23)	4.15 (±1.15)	4.6 (±0.95)
Poland	Boys	6-7	4.37 (±0.64)	4.17 (±0.64)	3.3 (±1.49)	3.71 (±1.85)	4.29 (±1.42)
		8-9	4.43 (±0.68)	4.2 (±0.75)	3.24 (±1.37)	3.62 (±1.99)	3.97 (±1.78)
		10-11	4.46 (±0.91)	4.34 (±0.85)	4.21 (±1.23)	4.58 (±1.13)	4.79 (±0.74)
	Girls	6-7	4.25 (±0.65)	4 (±0.77)	3.93 (±1.24)	4.03 (±1.62)	4.67 (±0.87)
		8-9	4.61 (±0.63)	4.19 (±0.73)	3.3 (±1.39)	3.46 (±1.9)	4.16 (±1.49)
		10-11	4.41 (±0.7)	4.19 (±0.66)	4.19 (±0.91)	4.64 (±0.72)	4.84 (±0.53)

Country	Sex	Age group	Perceived rotation Mean (±SD)	Perceived breathing Mean (±SD)	Perceived treading Mean (±SD)	Perceived back propulsion Mean (±SD)	Perceived belly propulsion Mean (±SD)
Europe	Boys	6-7	3.07 (±1.92)	4.13 (±1.52)	3.43 (±1.76)	3.44 (±1.76)	3.83 (±1.68)
		8-9	3.7 (±1.66)	4.42 (±1.05)	3.75 (±1.49)	4.05 (±1.45)	4.27 (±1.3)
		10-11	4.27 (±1.26)	4.45 (±0.84)	4.06 (±1.15)	4.27 (±1.11)	4.58 (±0.78)
	Girls	6-7	2.67 (±1.93)	3.96 (±1.56)	3.13 (±1.81)	3.38 (±1.83)	3.61 (±1.72)
		8-9	3.54 (±1.62)	4.39 (±1)	3.7 (±1.54)	3.94 (±1.49)	4.11 (±1.31)
		10-11	3.97 (±1.52)	4.36 (±0.93)	3.84 (±1.21)	4.11 (±1.26)	4.29 (±1.15)
Poland	Boys	6-7	3.49 (±2.08)	4.49 (±0.77)	3.87 (±1.41)	3.87 (±1.46)	4.25 (±1.18)
		8-9	3.08 (±2.06)	3.97 (±1.46)	3.43 (±1.71)	3.44 (±1.71)	3.43 (±1.75)
		10-11	4.29 (±1.42)	4.66 (±0.8)	4.34 (±1.16)	4.38 (±1.17)	4.36 (±1.13)
	Girls	6-7	3.92 (±1.58)	4.19 (±1.31)	3.79 (±1.52)	4.12 (±1.35)	4.12 (±1.37)
		8-9	3.08 (±1.92)	4.49 (±0.85)	3.49 (±1.43)	3.63 (±1.53)	3.86 (±1.46)
		10-11	4.56 (±0.93)	4.47 (±0.71)	4.14 (±0.92)	4.3 (±0.93)	4.47 (±0.75)

Country	Sex	Age group	Perceived submersion Mean (±SD)	Perceived floatation Mean (±SD)	Like lessons at school Mean (±SD)	Like lessons at school with friends Mean (±SD)	Like lessons out-of- school Mean (±SD)
Europe	Boys	6-7	3.76 (±1.73)	3.62 (±1.74)	4.27 (±1.26)	4.08 (±1.34)	4.41 (±1.16)
		8-9	4.23 (±1.28)	4.1 (±1.31)	4.19 (±1.15)	4.16 (±1.18)	4.25 (±1.16)
		10-11	4.42 (±0.89)	4.28 (±0.98)	4.02 (±1.07)	3.97 (±1.03)	3.94 (±1.17)
	Girls	6-7	3.53 (±1.83)	3.49 (±1.76)	4.5 (±0.99)	4.35 (±1.14)	4.35 (±1.19)
		8-9	4.15 (±1.33)	4.19 (±1.24)	4.27 (±1.02)	4.23 (±0.96)	4.42 (±0.97)
		10-11	4.11 (±1.21)	4.19 (±1.1)	3.94 (±1.1)	3.98 (±0.99)	4.12 (±1.03)
Poland	Boys	6-7	4.04 (±1.46)	3.97 (±1.52)	3.94 (±1.29)	3.9 (±1.2)	4.12 (±1.17)
		8-9	3.35 (±1.92)	3.66 (±1.58)	3.92 (±1.17)	3.94 (±1.19)	4.19 (±0.86)
		10-11	4.31 (±1.23)	4.51 (±0.91)	4.45 (±0.96)	4.22 (±1.05)	4.38 (±1.01)
	Girls	6-7	4 (±1.32)	3.88 (±1.42)	3.55 (±1)	3.78 (±0.98)	3.97 (±1.15)
		8-9	4 (±1.42)	4.19 (±1.22)	4.24 (±1.02)	4.43 (±0.76)	4.3 (±0.91)
		10-11	4.49 (±0.73)	4.7 (±0.57)	4.19 (±1.14)	4.21 (±1)	4.5 (±0.82)

Notes. Europe: Belgium, France, Germany, Lithuania, Norway and Portugal.

Table 1129. Cont.

Country	Sex	Age group	Like lessons out-of- school with friends Mean (±SD)	Like paying in the pool Mean (±SD)	Like paying in the pool with friends Mean (±SD)	Like paying in the pool with family Mean (±SD)
Europe	Boys	6-7	4.21 (±1.3)	4.68 (±0.92)	4.61 (±0.98)	4.68 (±0.93)
		8-9	4 (±1.28)	4.7 (±0.79)	4.64 (±0.89)	4.7 (±0.78)
		10-11	3.9 (±1.14)	4.69 (±0.61)	4.74 (±0.65)	4.58 (±0.74)
	Girls	6-7	4.31 (±1.19)	4.71 (±0.84)	4.74 (±0.75)	4.79 (±0.76)
		8-9	4.17 (±1.11)	4.76 (±0.6)	4.73 (±0.71)	4.76 (±0.7)
		10-11	3.96 (±1.06)	4.61 (±0.77)	4.76 (±0.54)	4.67 (±0.67)
Poland	Boys	6-7	4.13 (±0.9)	4.66 (±0.67)	4.68 (±0.55)	4.86 (±0.36)
		8-9	4.1 (±0.95)	4.44 (±0.83)	4.58 (±0.71)	4.85 (±0.37)
		10-11	4.22 (±1.14)	4.44 (±0.9)	4.63 (±0.69)	4.58 (±0.76)
	Girls	6-7	4 (±1.04)	4.66 (±0.54)	4.56 (±0.69)	4.58 (±0.56)
		8-9	4.46 (±0.84)	4.62 (±0.95)	4.62 (±0.9)	4.7 (±0.89)
		10-11	4.24 (±0.88)	4.54 (±0.77)	4.6 (±0.59)	4.69 (±0.66)

Country	Sex	Age group	Swimming Race Mean (±SD)	Water Polo Mean (±SD)	Synchronised Swimming Mean (±SD)	Diving Mean (±SD)	Activity 1 Mean (±SD)	Activity 2 Mean (±SD)
Europe	Boys	6-7	3.44 (±1.73)	3.98 (±1.55)	2.16 (±1.63)	3.66 (±1.73)	4 (±1.57)	3.87 (±1.57)
		8-9	3.53 (±1.57)	4 (±1.42)	2.06 (±1.51)	3.91 (±1.5)	4.16 (±1.31)	4.14 (±1.34)
		10-11	3.17 (±1.45)	3.98 (±1.28)	1.84 (±1.19)	3.74 (±1.43)	4.08 (±1.18)	4.23 (±1.14)
	Girls	6-7	3.4 (±1.7)	3.24 (±1.7)	3.58 (±1.66)	3.12 (±1.76)	3.74 (±1.61)	3.49 (±1.7)
		8-9	3.54 (±1.5)	3.42 (±1.49)	3.67 (±1.47)	3.51 (±1.6)	4.05 (±1.28)	3.85 (±1.45)
		10-11	3.23 (±1.33)	3.63 (±1.3)	3.47 (±1.39)	3.57 (±1.41)	4.08 (±1.2)	4.05 (±1.21)
Poland	Boys	6-7	3.78 (±1.12)	3.52 (±1.55)	2.54 (±1.41)	3.55 (±1.34)	3.87 (±1.34)	3.9 (±1.23)
		8-9	3.96 (±1.06)	3.8 (±1.33)	2.4 (±1.16)	3.6 (±1.3)	3.64 (±1.36)	3.72 (±1.28)
		10-11	4.1 (±1.16)	3.56 (±1.53)	2.1 (±1.5)	4.1 (±1.36)	3.9 (±1.26)	3.99 (±1.41)
	Girls	6-7	3.64 (±1.08)	3.37 (±1.39)	2.9 (±1.4)	3.74 (±1.43)	3.89 (±1.33)	3.76 (±1.24)
		8-9	4.04 (±1.06)	2.92 (±1.39)	2.84 (±1.55)	3.62 (±1.42)	3.44 (±1.23)	3.64 (±1.23)
		10-11	3.89 (±1.09)	3.39 (±1.27)	3.1 (±1.59)	3.85 (±1.36)	3.8 (±1.22)	4.02 (±1.16)

Country	Sex	Age group	Activity 3 Mean (±SD)	Activity 4 Mean (±SD)	Low risk in the pool Mean (±SD)	High risk in the pool Mean (±SD)	Low risk open water Mean (±SD)	High risk open water Mean (±SD)
Europe	Boys	6-7	3.93 (±1.58)	3.7 (±1.62)	3.41 (±1.33)	2.63 (±1.29)	3.96 (±1.23)	2.37 (±1.41)
		8-9	4.13 (±1.34)	3.83 (±1.44)	3.39 (±1.24)	2.69 (±1.17)	3.9 (±1.22)	2.67 (±1.36)
		10-11	4.16 (±1.17)	3.74 (±1.36)	3.6 (±1.06)	2.52 (±1.2)	4.04 (±1.12)	2.23 (±1.26)
	Girls	6-7	3.37 (±1.68)	3.22 (±1.69)	3.34 (±1.25)	2.84 (±1.2)	3.88 (±1.18)	2.41 (±1.26)
		8-9	3.81 (±1.48)	3.47 (±1.48)	3.25 (±1.17)	2.87 (±1.06)	3.81 (±1.13)	2.75 (±1.32)
		10-11	4.11 (±1.19)	3.58 (±1.31)	3.52 (±1.1)	2.78 (±1.12)	3.93 (±1.17)	2.52 (±1.27)
Poland	Boys	6-7	3.42 (±1.62)	3.24 (±1.48)	3.23 (±1.06)	2.3 (±1.08)	3.9 (±1.16)	1.9 (±1.4)
		8-9	3.32 (±1.44)	3.17 (±1.61)	3.68 (±1.11)	2.16 (±1.03)	4.28 (±0.8)	1.72 (±1.25)
		10-11	3.53 (±1.49)	3.46 (±1.51)	3.49 (±1.06)	2.09 (±1.13)	4.11 (±1.11)	1.7 (±1.29)
	Girls	6-7	3.47 (±1.24)	3.49 (±1.28)	3.13 (±1.24)	2.16 (±1.33)	3.7 (±1.2)	1.87 (±1.42)
		8-9	3.28 (±1.34)	2.88 (±1.43)	3.75 (±1.06)	2 (±1.04)	4.04 (±0.88)	1.7 (±1.05)
		10-11	3.63 (±1.41)	3.55 (±1.32)	3.17 (±1.19)	2.14 (±0.99)	3.94 (±1.04)	2.04 (±1.05)

Notes. Europe: Belgium, France, Germany, Lithuania, Norway and Portugal.

a. Intrinsic motivation

Overview

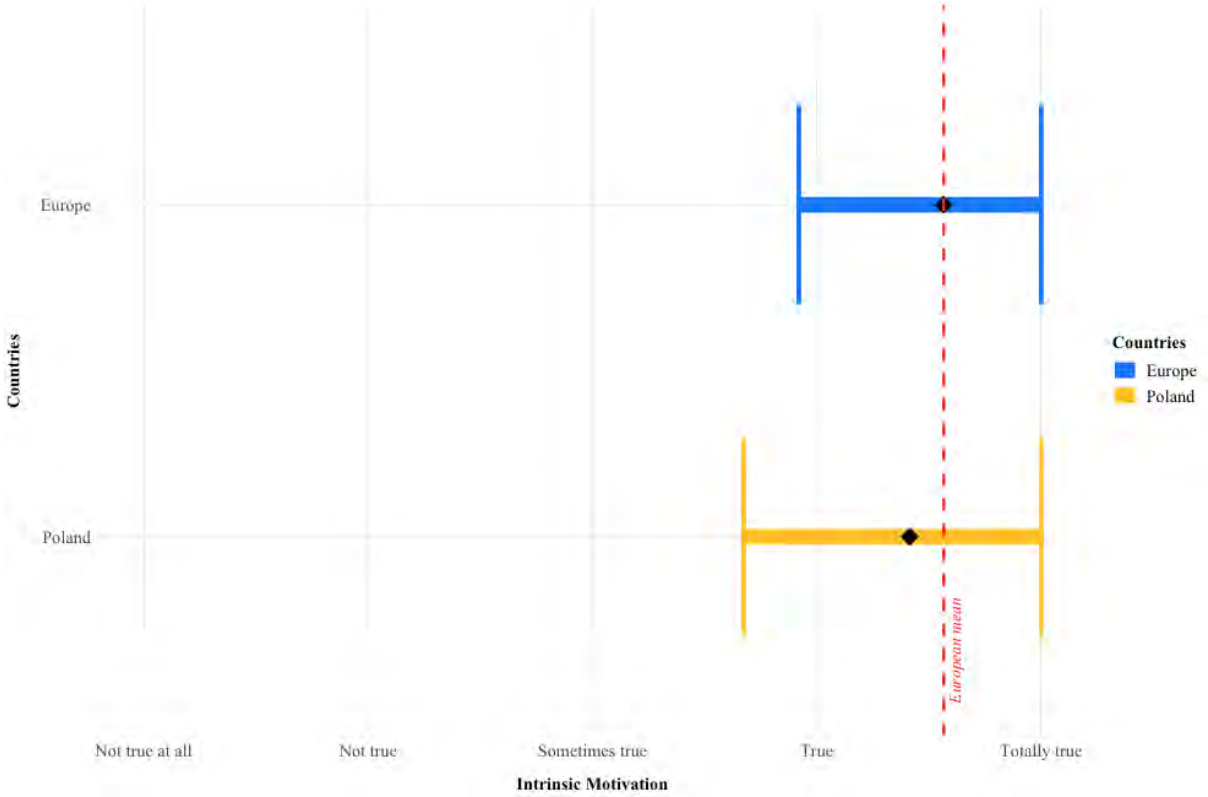


Figure 657. Distribution of the Intrinsic Motivation in Europe and in Poland (Mean±SD).

Table 1130. Comparative Analysis of the Intrinsic Motivation in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	254	2,752	0.002 **	0.1 [a]	0.35

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

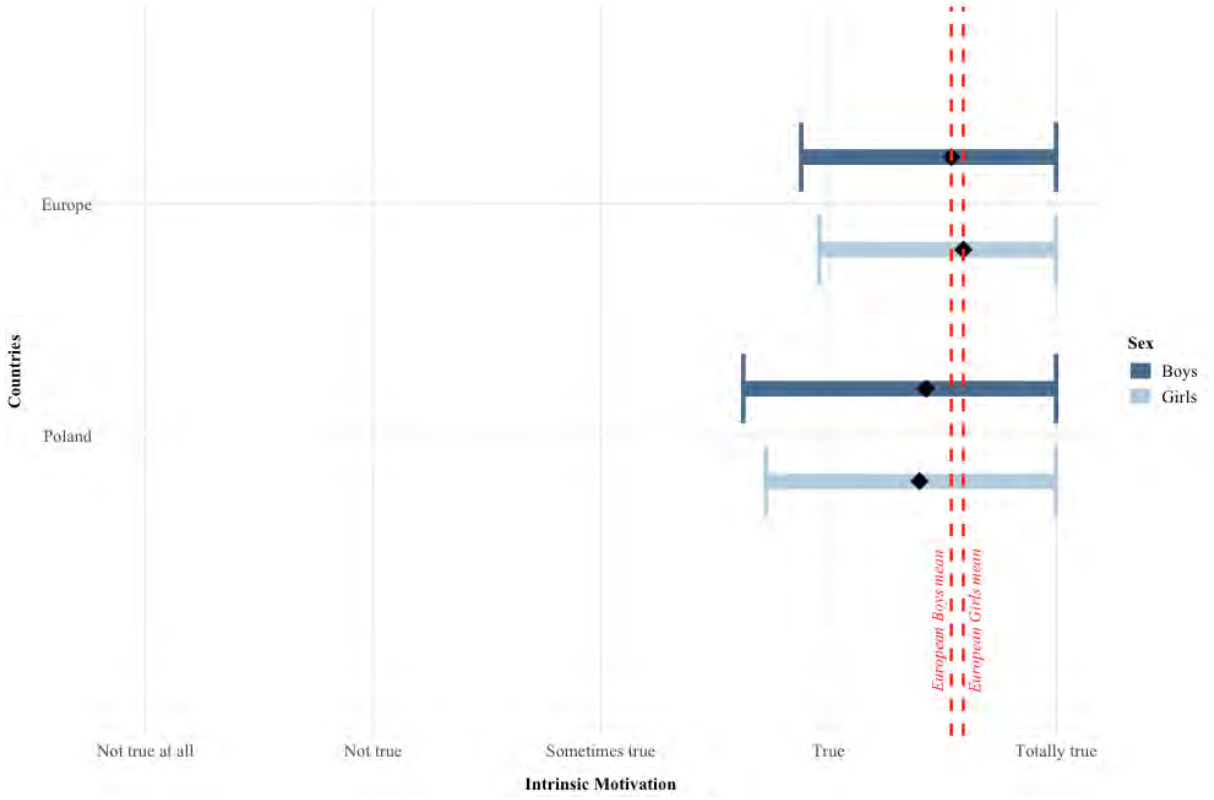


Figure 658. Distribution of the Intrinsic Motivation according to the Sex in Europe and in Poland (Mean±SD).

Table 1131. Comparative Analysis of the Intrinsic Motivation in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	Boys	129	1,385	0.25	0.03 [a]	0.09 [1]
	Girls	125	1,367	0.001 **	0.08 [a]	0.37 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1132. Comparative Analysis of the Intrinsic Motivation in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	Boys *vs* Girls	129	125	0.48	0.04 [a]	0.1 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

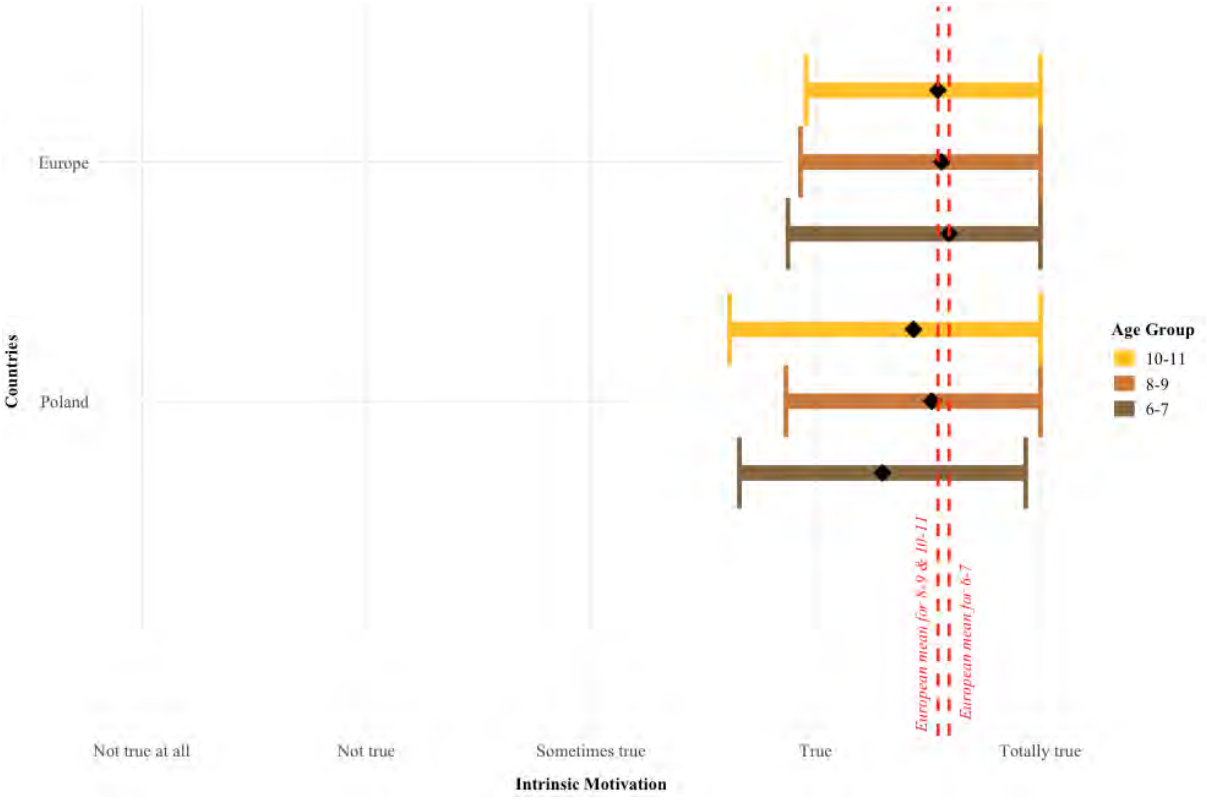


Figure 659. Distribution of the Intrinsic Motivation according to the Age Group in Europe and in Poland (Mean±SD).

Table 1133. Comparative Analysis of the Intrinsic Motivation in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	69	839	9.97^{e-07} ***	0.15 [a]	0.65 [2]
	8-9 yo	53	1,146	0.82	0.006 [a]	0.05 [1]
	10-11 yo	132	767	0.85	0.006 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1134. Comparative Analysis of the Intrinsic Motivation in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	69	53	132	0.03 *	0.19 [a]	0.54 [2]
	8-9 yo *vs* 10-11 yo		53	132	0.82	0.02 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	69			0.02 *	0.15 [a]	0.55 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

b. Identified motivation

Overview

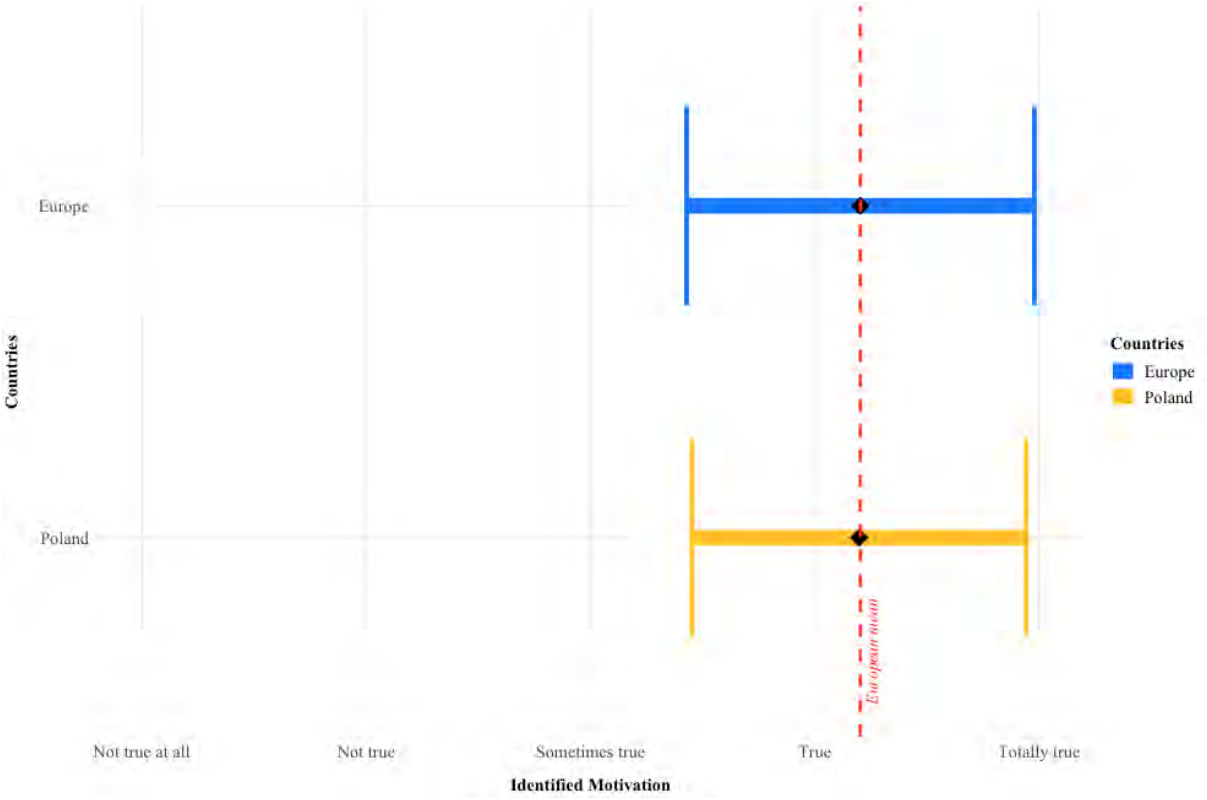


Figure 660. Distribution of the Identified Motivation in Europe and in Poland (Mean±SD).

Table 1135. Comparative Analysis of the Identified Motivation in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	254	2,752	0.71	0.01 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

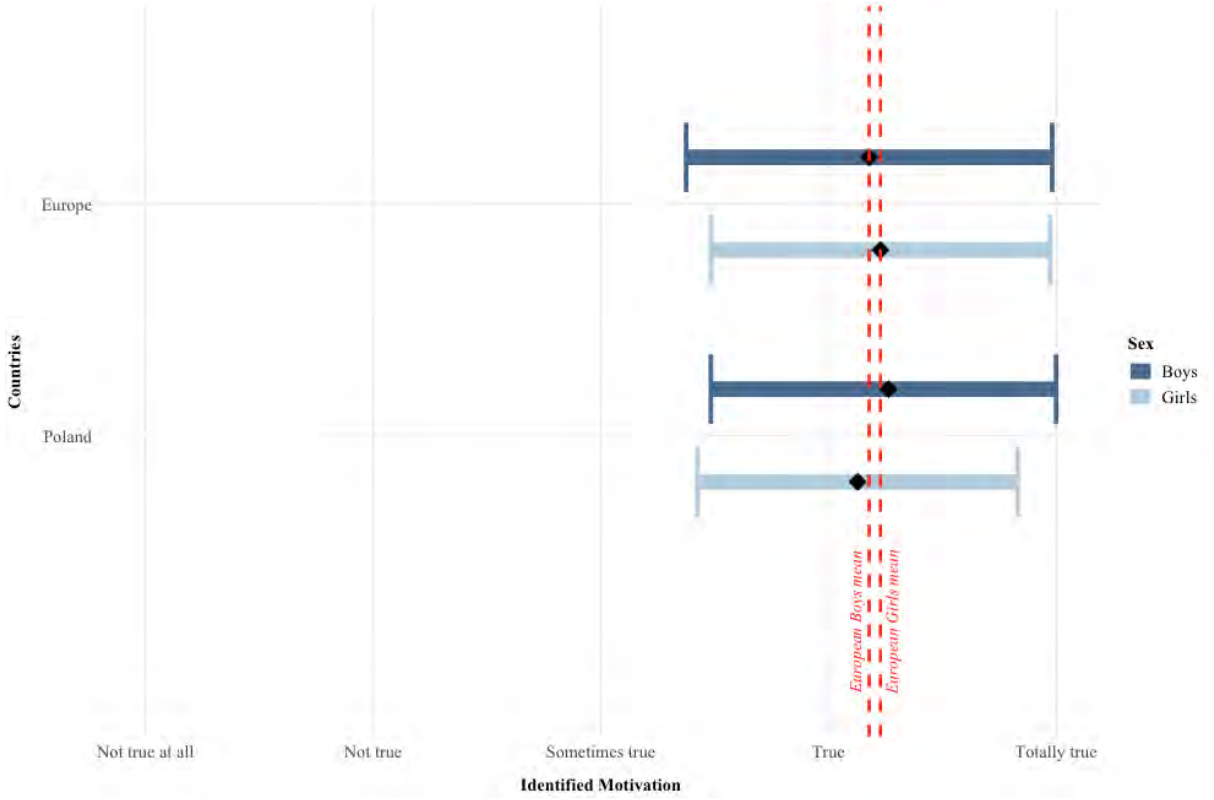


Figure 661. Distribution of the Identified Motivation according to the Sex in Europe and in Poland (Mean±SD).

Table 1136. Comparative Analysis of the Identified Motivation in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	Boys	129	1,385	0.18	0.03 [a]	0.11 [1]
	Girls	125	1,367	0.05	0.05 [a]	0.18 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1137. Comparative Analysis of the Identified Motivation in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	Boys *vs* Girls	129	125	0.04 *	0.13 [a]	0.52 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (*d<0.2*); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

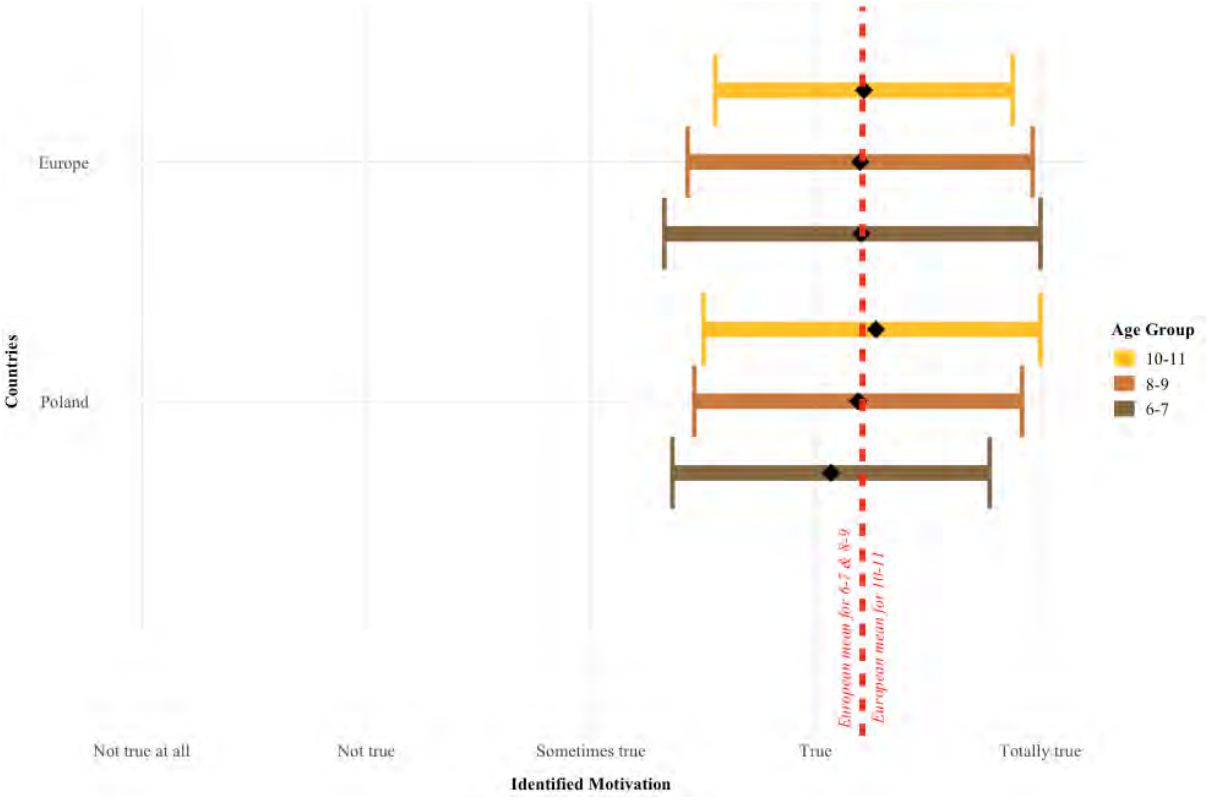


Figure 662. Distribution of the Identified Motivation according to the Age Group in Europe and in Poland (Mean±SD).

Table 1138. Comparative Analysis of the Identified Motivation in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	69	839	0.02 *	0.07 [a]	0.22 [1]
	8-9 yo	53	1,146	0.81	0.007 [a]	0.05 [1]
	10-11 yo	132	767	0.1	0.05 [a]	0.2 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1139. Comparative Analysis of the Identified Motivation in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	69	53		0.23	0.11 [a]	0.22 [1]
	8-9 yo *vs* 10-11 yo		53	132	0.32	0.07 [a]	0.14 [1]
	6-7 yo *vs* 10-11 yo	69		132	0.04 *	0.14 [a]	0.5 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

c. Confidence in deep water

Overview

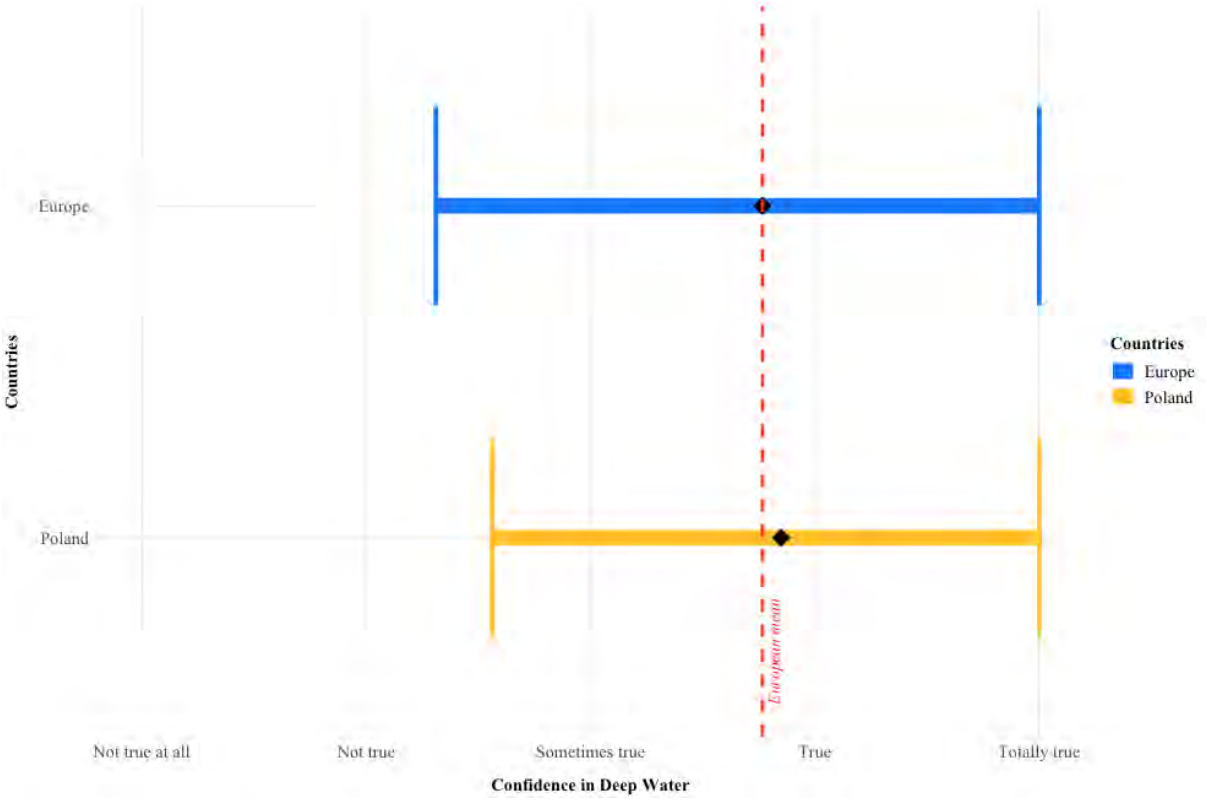


Figure 663. Distribution of the Confidence in Deep Water in Europe and in Poland (Mean±SD).

Table 1140. Comparative Analysis of the Confidence in Deep Water in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	252	2,730	0.95	0.002[a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

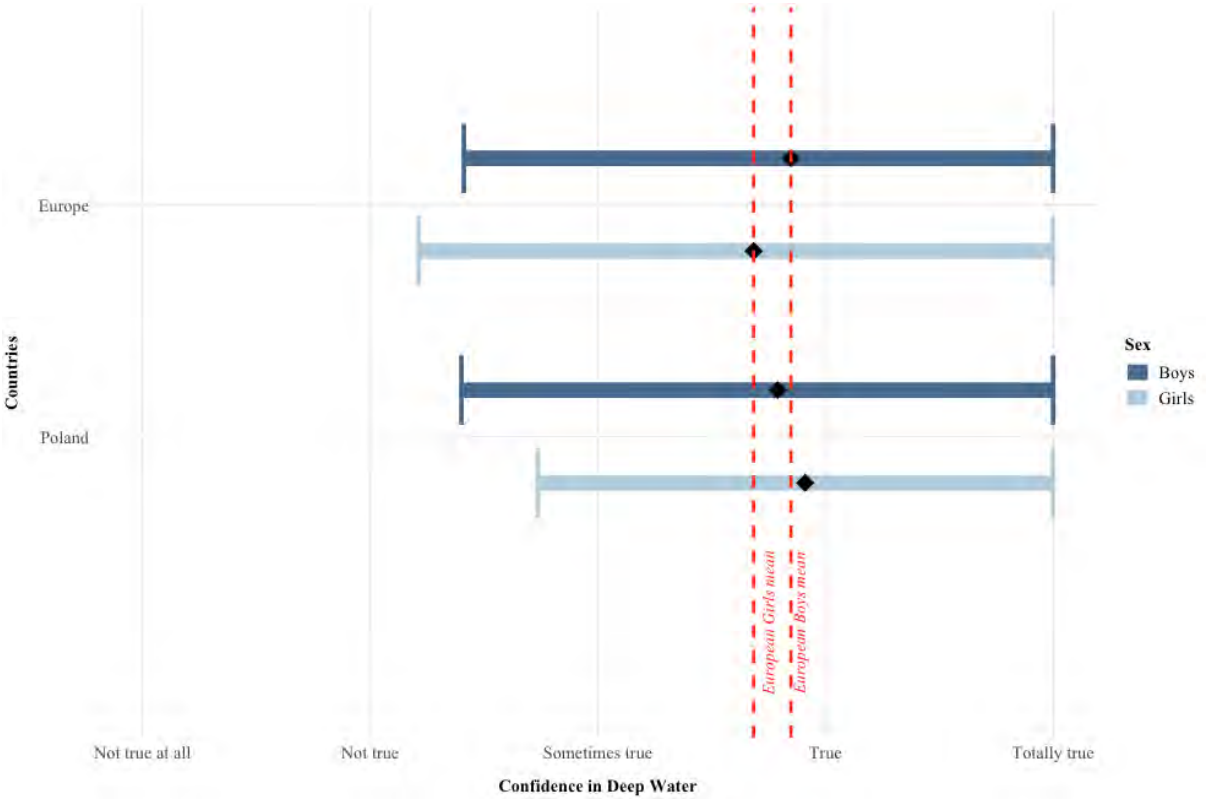


Figure 664. Distribution of the Confidence in Deep Water according to the Sex in Europe and in Poland (Mean±SD).

Table 1141. Comparative Analysis of the Confidence in Deep Water in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	Boys	129	1,374	0.44	0.02 [a]	0.07 [1]
	Girls	123	1,356	0.36	0.03 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1142. Comparative Analysis of the Confidence in Deep Water in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	Boys *vs* Girls	129	123	0.82	0.01 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

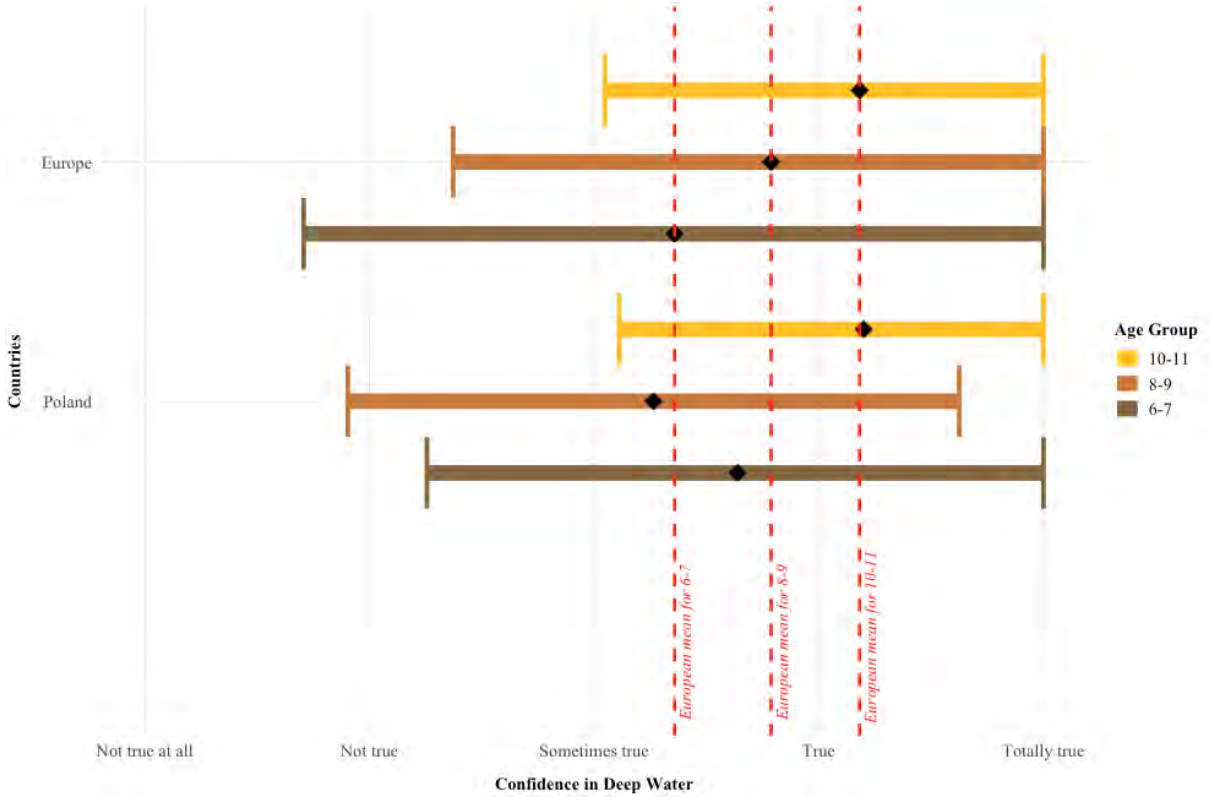


Figure 665. Distribution of the Confidence in Deep Water according to the Age Group in Europe and in Poland (Mean±SD).

Table 1143. Comparative Analysis of the Confidence in Deep Water in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	69	830	0.29	0.03 [a]	0.08 [1]
	8-9 yo	53	1,139	0.002 **	0.08 [a]	0.22 [1]
	10-11 yo	130	761	0.95	0.002 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1144. Comparative Analysis of the Confidence in Deep Water in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	69	53		0.11	0.14 [a]	0.33 [1]
	8-9 yo *vs* 10-11 yo		53	130	6.05^{e-06} ***	0.31 [b]	0.98 [4]
	6-7 yo *vs* 10-11 yo	69		130	5.15^{e-03} ***	0.18 [a]	0.71 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

d. Perceived skills

1. Perceived entry in the water

Overview

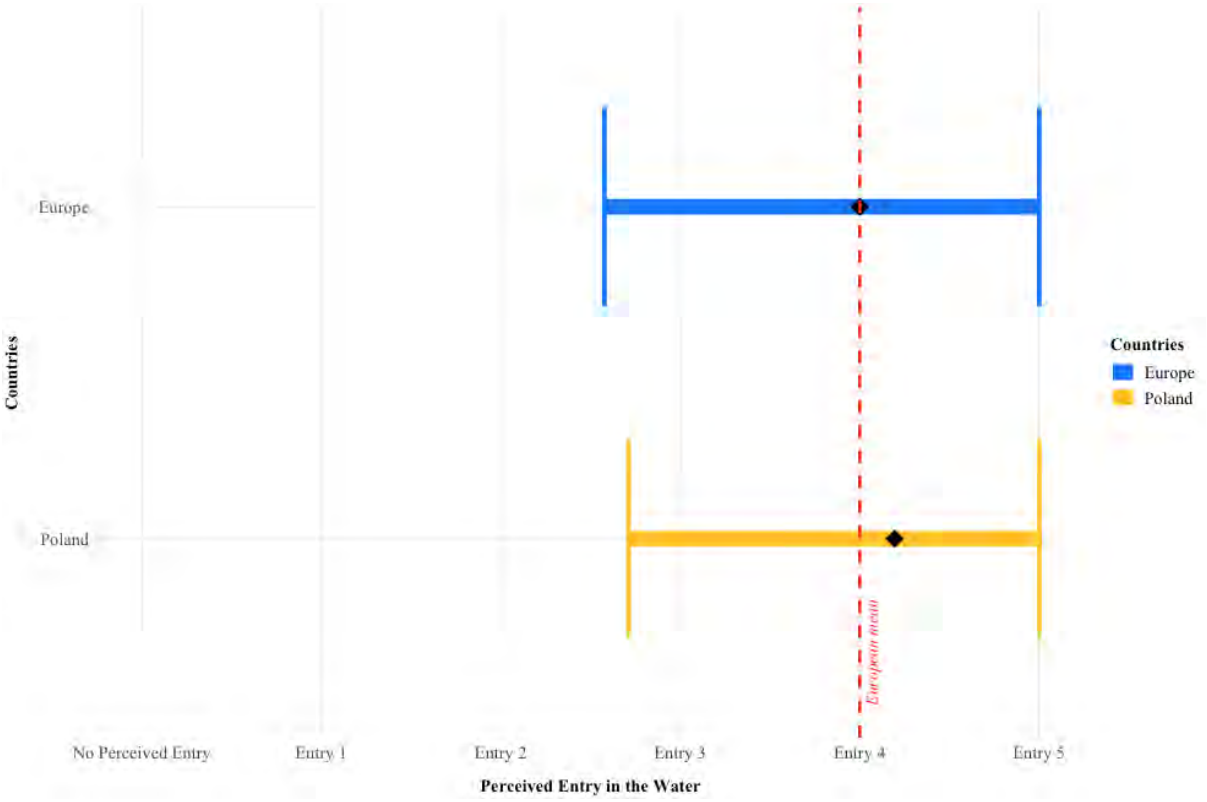


Figure 666. Distribution of the Perceived Entry in the Water in Europe and in Poland (Mean±SD).

Table 1145. Comparative Analysis of the Perceived Entry in the Water in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	247	2,548	4^{e-04} ***	0.1 [a]	0.44 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

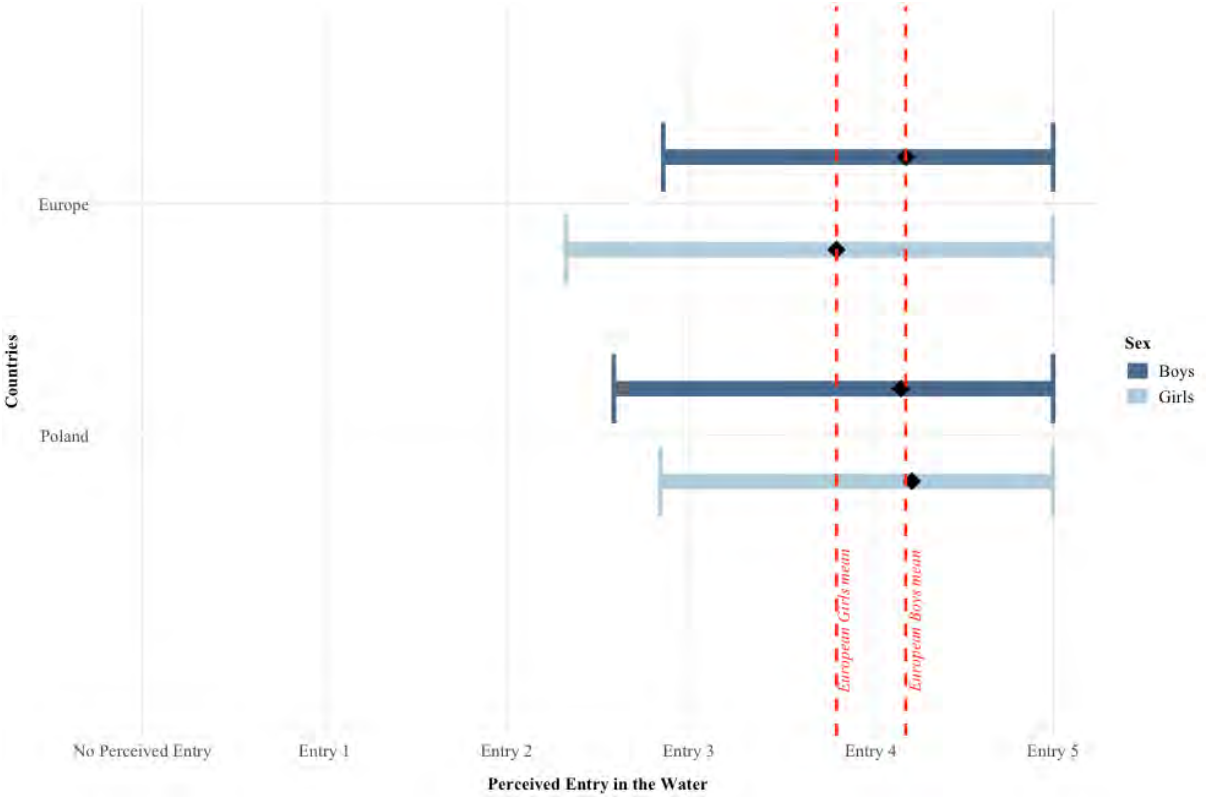


Figure 667. Distribution of the Perceived Entry in the Water according to the Sex in Europe and in Poland (Mean±SD).

Table 1146. Comparative Analysis of the Perceived Entry in the Water in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	Boys	127	1,270	0.21	0.03 [a]	0.09 [1]
	Girls	120	1,278	2^{e-04} ***	0.09 [a]	0.49 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1147. Comparative Analysis of the Perceived Entry in the Water in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	Boys *vs* Girls	129	127	0.75	0.02 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

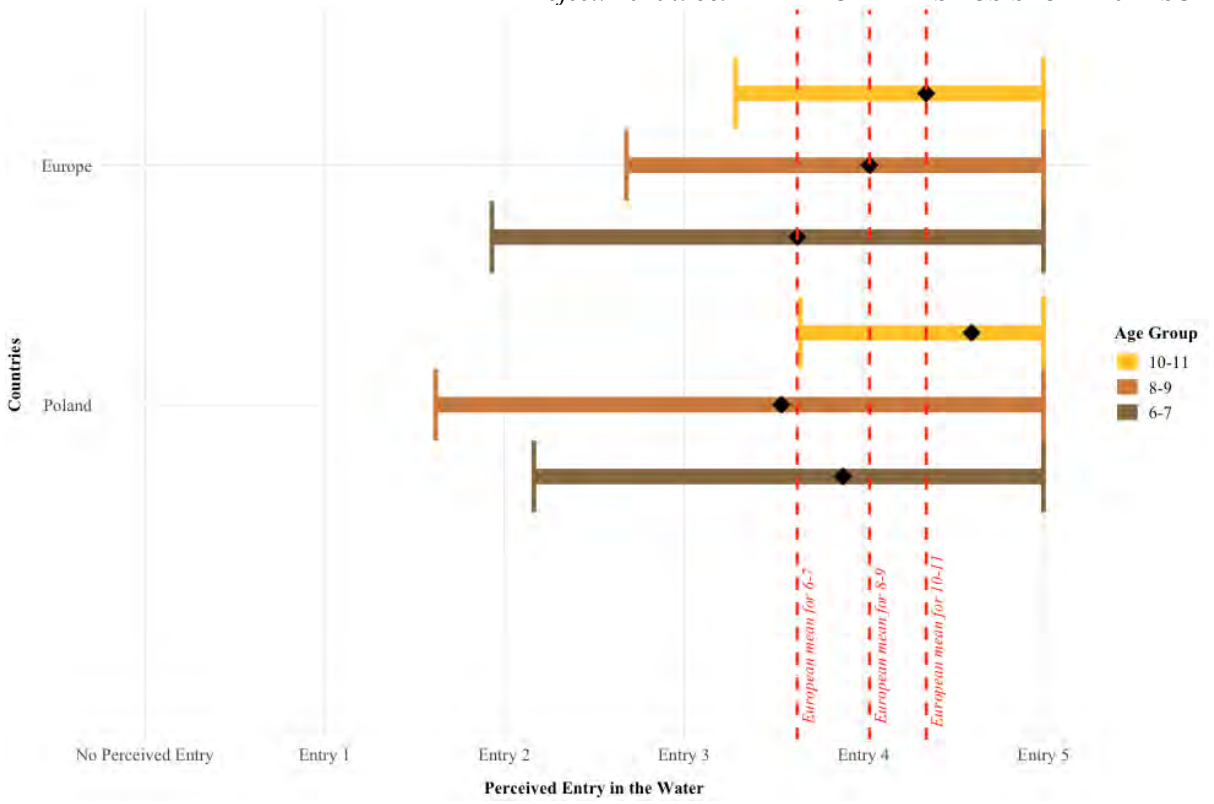


Figure 668. Distribution of the Perceived Entry in the Water according to the Age Group in Europe and in Poland (Mean±SD).

Table 1148. Comparative Analysis of the Perceived Entry in the Water in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	69	768	0.1	0.05 [a]	0.13 [1]
	8-9 yo	48	1,060	0.33	0.03 [a]	0.06 [1]
	10-11 yo	130	720	0.001 **	0.09 [a]	0.48 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1149. Comparative Analysis of the Perceived Entry in the Water in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	69	48		0.42	0.07 [a]	0.11 [1]
	8-9 yo *vs* 10-11 yo		48	130	1.9^{e-04} ***	0.22 [b]	0.74 [2]
	6-7 yo *vs* 10-11 yo	69		130	0.001 **	0.17 [a]	0.66 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

2. Perceived exit from the water

Overview

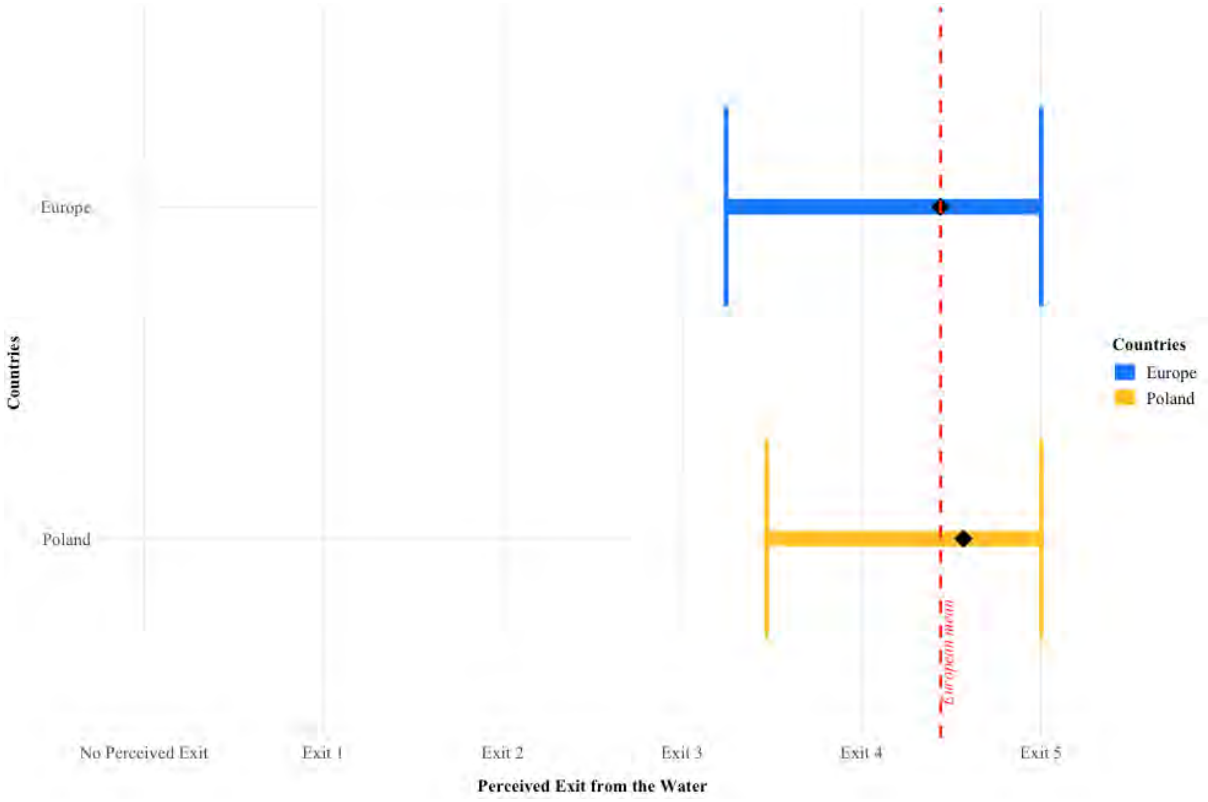


Figure 669. Distribution of the Perceived Exit from the Water in Europe and in Poland (Mean±SD).

Table 1150. Comparative Analysis of the Perceived Exit from the Water in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	254	2,571	0.06	0.05 [a]	0.13 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

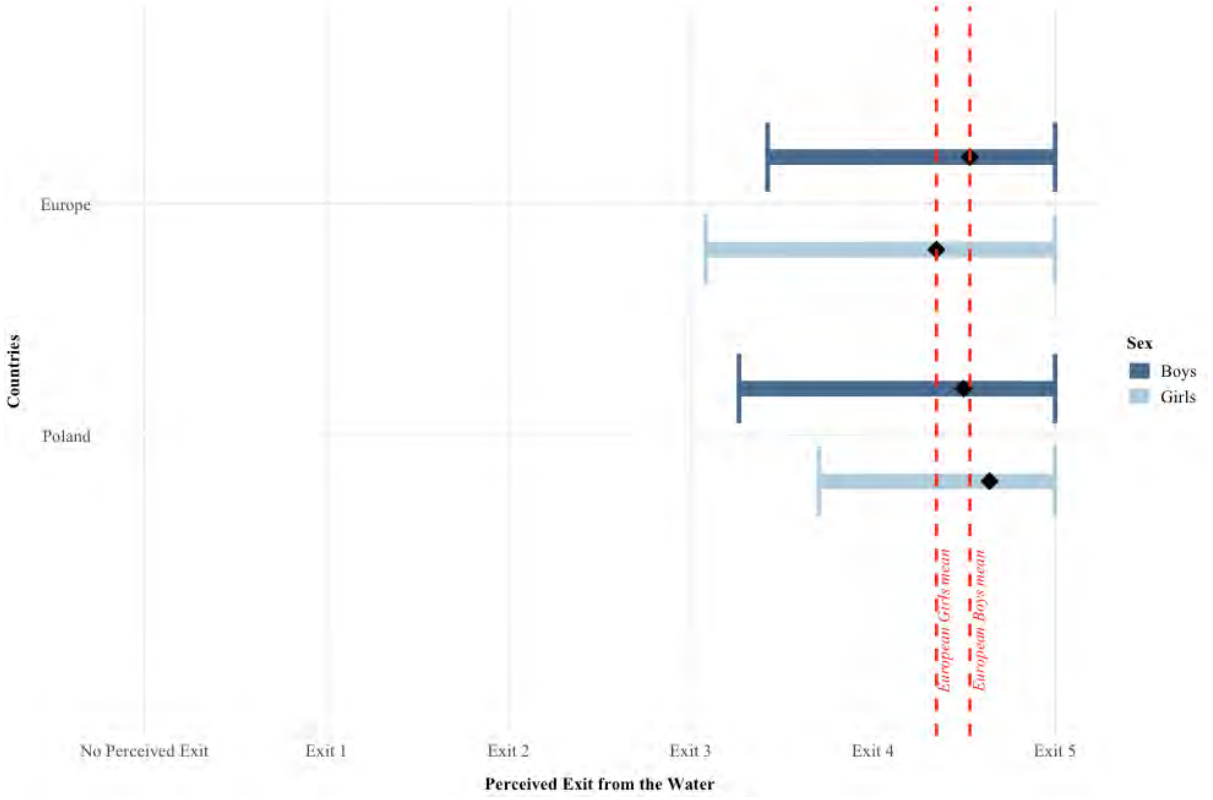


Figure 670. Distribution of the Perceived Exit from the Water according to the Sex in Europe and in Poland (Mean±SD).

Table 1151. Comparative Analysis of the Perceived Exit from the Water in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	Boys	129	1,277	0.88	0.003 [a]	0.05 [1]
	Girls	125	1,294	0.01 *	0.05 [a]	0.19 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1152. Comparative Analysis of the Perceived Exit from the Water in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland	Boys *vs* Girls	129	125	0.61	0.02 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

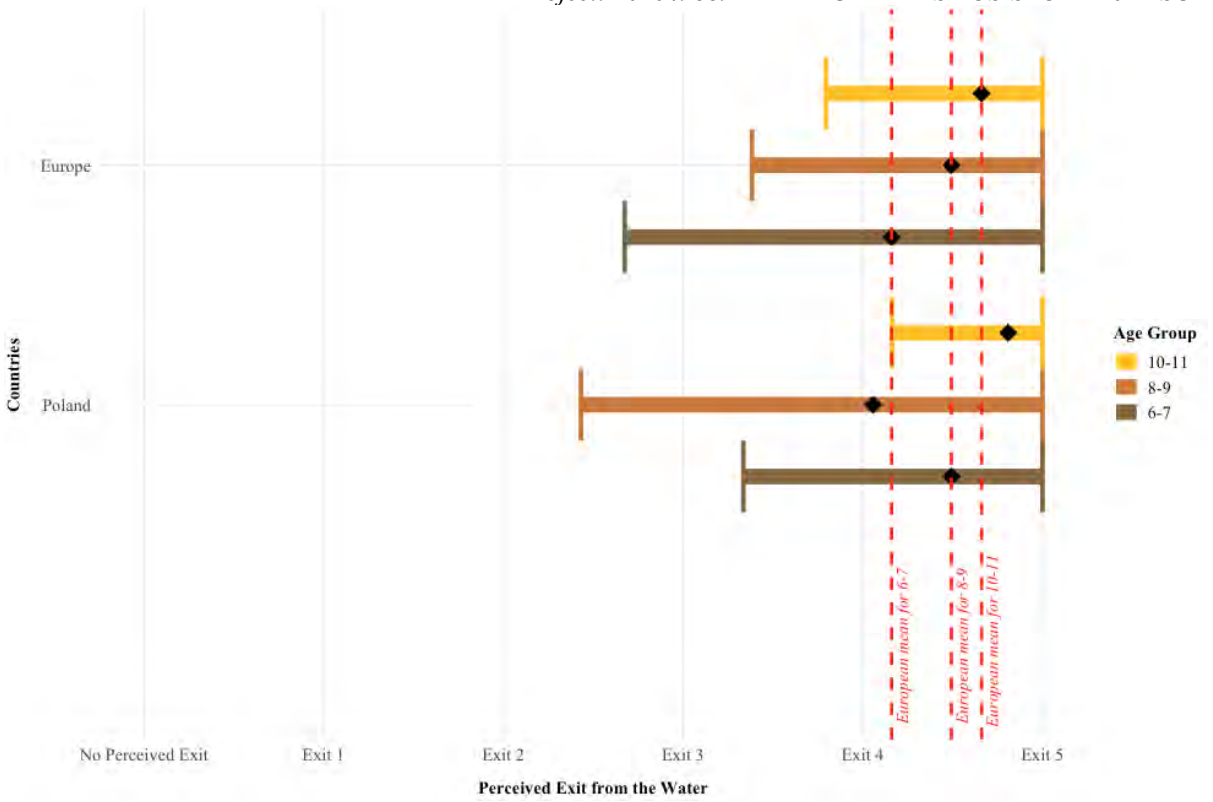


Figure 671. Distribution of the Perceived Exit from the Water according to the Age Group in Europe and in Poland (Mean±SD).

Table 1153. Comparative Analysis of the Perceived Exit from the Water in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	71	779	0.07	0.05 [a]	0.13 [1]
	8-9 yo	52	1,067	0.04 *	0.04 [a]	0.1 [1]
	10-11 yo	131	725	0.05	0.04 [a]	0.15 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1154. Comparative Analysis of the Perceived Exit from the Water in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	71	52		0.09	0.12 [a]	0.26 [1]
	8-9 yo *vs* 10-11 yo		52	131	7.31^{e-05} ***	0.19 [a]	0.67 [2]
	6-7 yo *vs* 10-11 yo	71		131	0.03 *	0.09 [a]	0.23 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

3. Perceived rotations

Overview

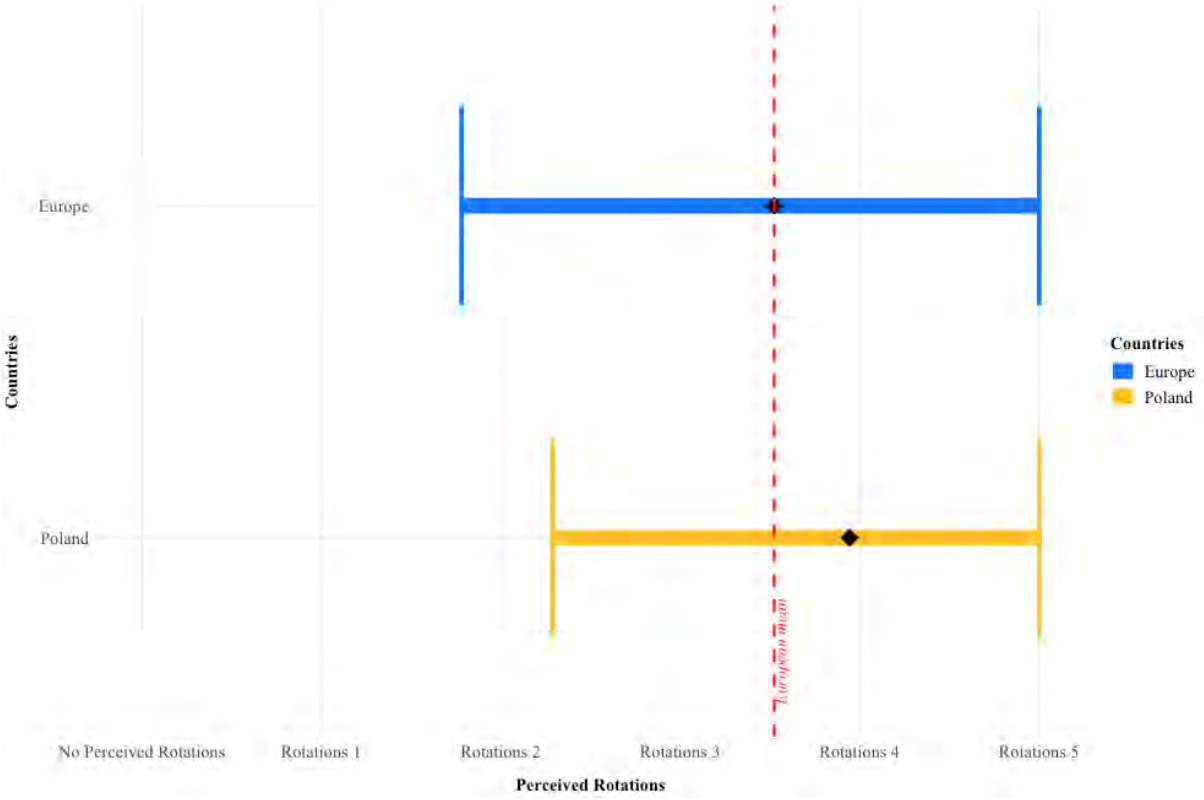


Figure 672. Distribution of the Perceived Rotations in Europe and in Poland (Mean±SD).

Table 1155. Comparative Analysis of the Perceived Rotations in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	247	2,371	1.2^{e-05} ***	0.16 [a]	0.67 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

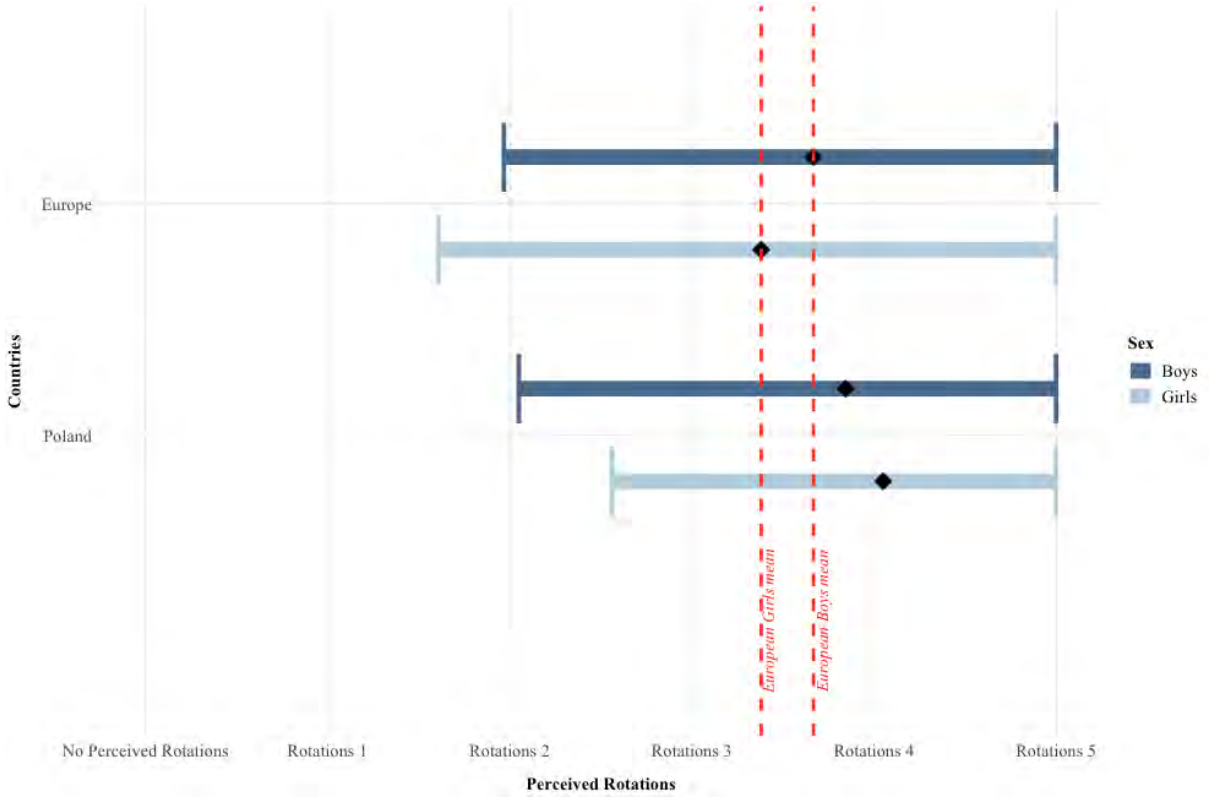


Figure 673. Distribution of the Perceived Rotations according to the Sex in Europe and in Poland (Mean±SD).

Table 1156. Comparative Analysis of the Perceived Rotations in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	Boys	128	1,178	0.06	0.05 [a]	0.18 [1]
	Girls	119	1,193	1.54^{e-05} ***	0.11 [a]	0.66 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1157. Comparative Analysis of the Perceived Rotations in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	Boys *vs* Girls	128	119	0.58	0.03 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

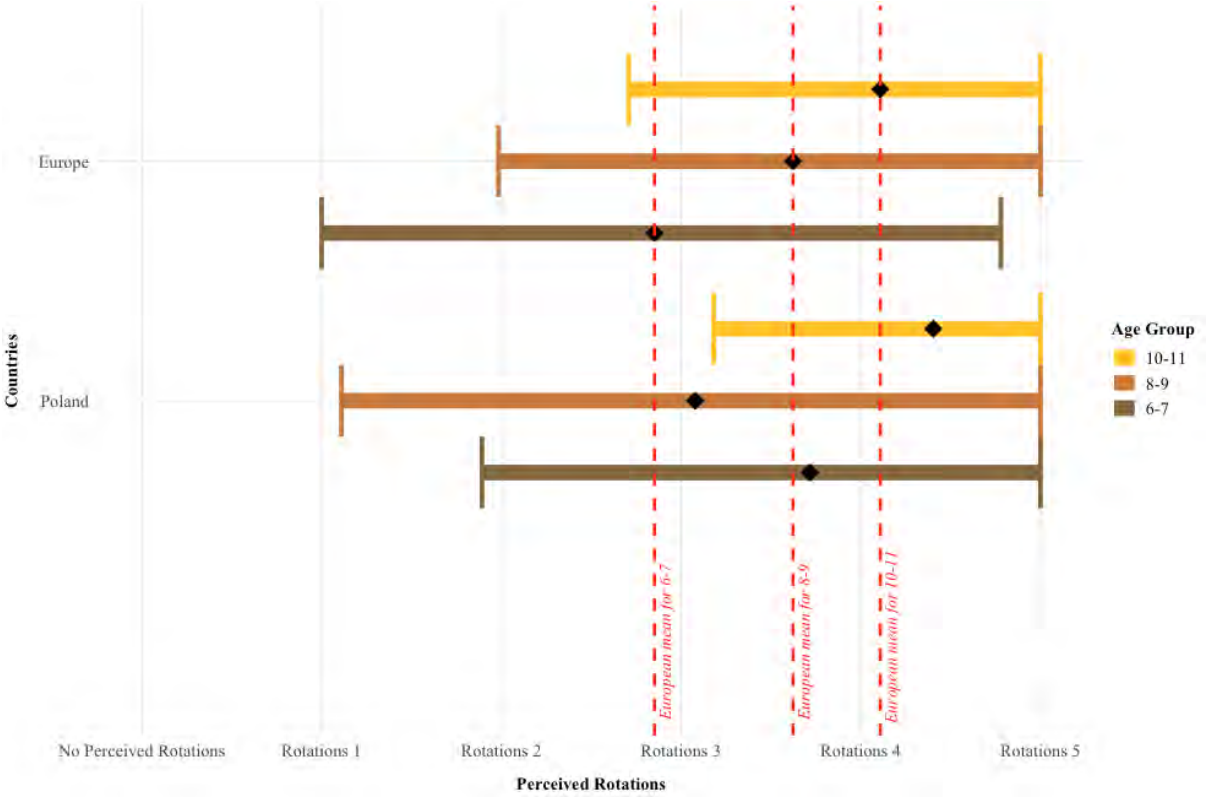


Figure 674. Distribution of the Perceived Rotations according to the Age Group in Europe and in Poland (Mean±SD).

Table 1158. Comparative Analysis of the Perceived Rotations in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	67	725	2.23^{e-04} ***	0.13 [a]	0.52 [1]
	8-9 yo	51	984	0.09	0.05 [a]	0.11[1]
	10-11 yo	129	662	0.009 **	0.08 [a]	0.38 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1159. Comparative Analysis of the Perceived Rotations in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	67	51		0.06	0.2 [b]	0.4 [1]
	8-9 yo *vs* 10-11 yo		51	129	2.2^{e-06} ***	0.3 [b]	0.97 [4]
	6-7 yo *vs* 10-11 yo	67		129	0.007 **	0.16 [a]	0.55 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

4. Perceived breathing

Overview

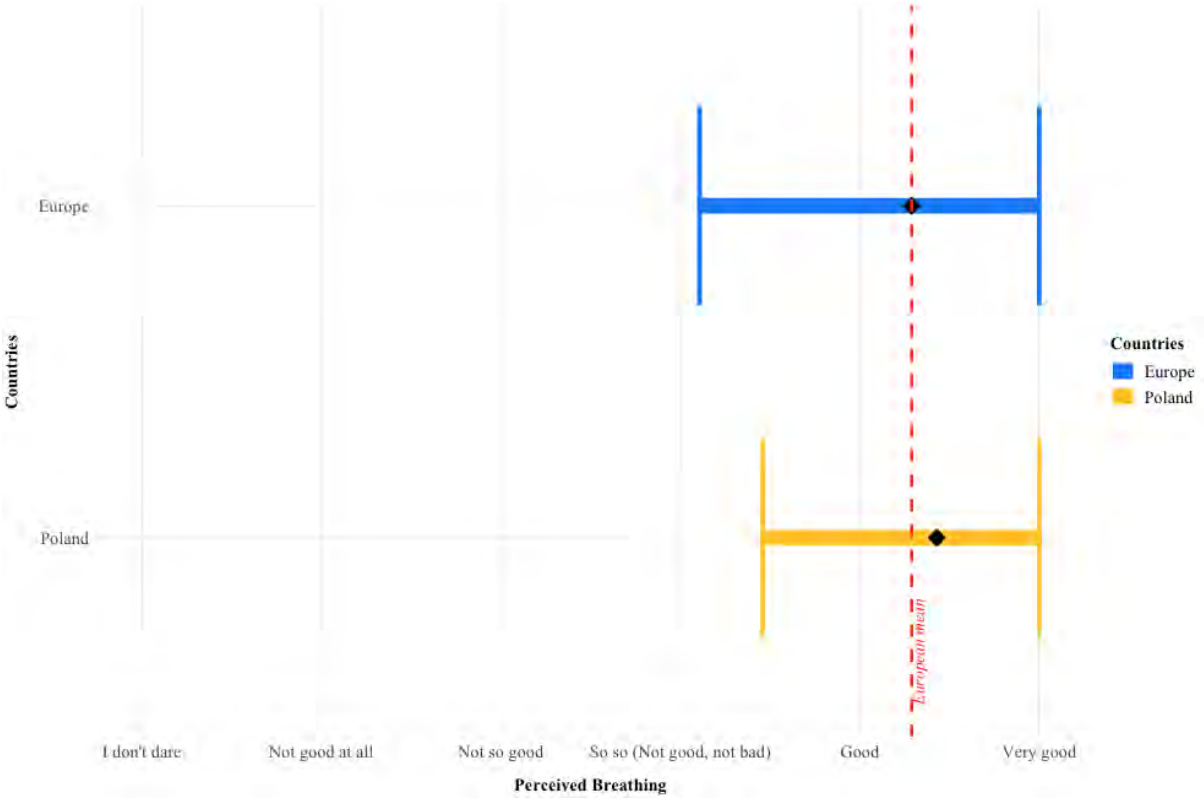


Figure 675. Distribution of the Perceived Breathing in Europe and in Poland (Mean±SD).

Table 1160. Comparative Analysis of the Perceived Breathing in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	251	2,587	0.41	0.03 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

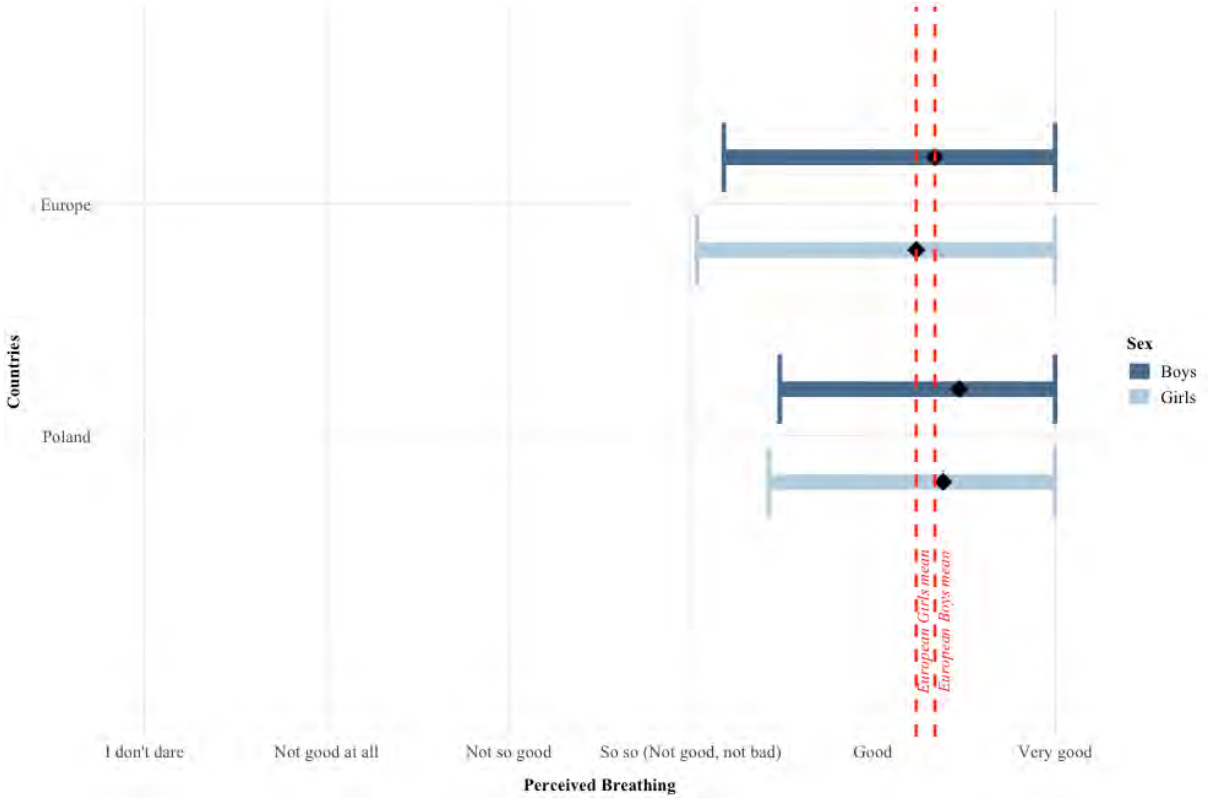


Figure 676. Distribution of the Perceived Breathing according to the Sex in Europe and in Poland (Mean±SD).

Table 1161. Comparative Analysis of the Perceived Breathing in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	Boys	129	1,304	0.42	0.02 [a]	0.07 [1]
	Girls	122	1,283	0.72	0.008 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1162. Comparative Analysis of the Perceived Breathing in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	Boys *vs* Girls	129	122	0.15	0.08 [a]	0.23 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

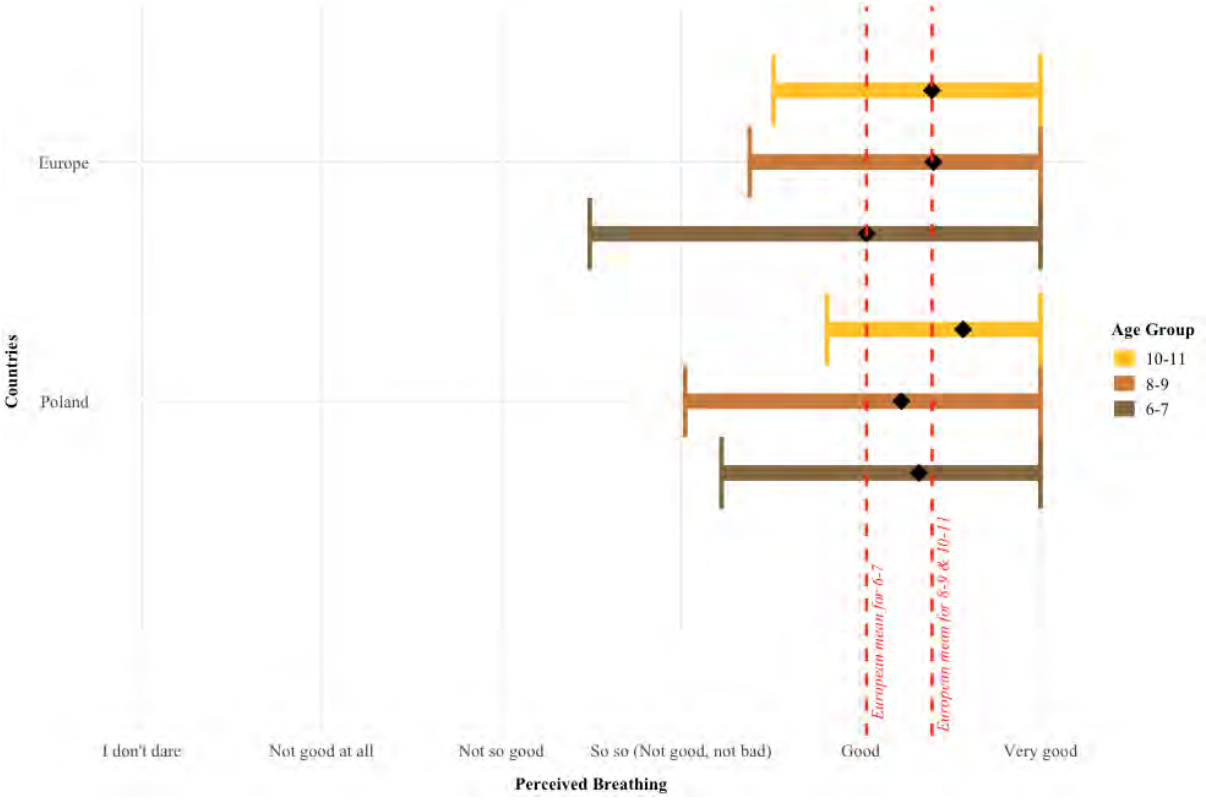


Figure 677. Distribution of the Perceived Breathing according to the Age Group in Europe and in Poland (Mean±SD).

Table 1163. Comparative Analysis of the Perceived Breathing in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	68	781	0.79	0.008 [a]	0.05 [1]
	8-9 yo	53	1,087	0.3	0.03 [a]	0.07 [1]
	10-11 yo	130	719	0.04 *	0.06 [a]	0.25 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1164. Comparative Analysis of the Perceived Breathing in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	68	53		0.84	0.008 [a]	0.05 [1]
	8-9 yo *vs* 10-11 yo		53	130	0.14	0.03 [a]	0.07 [1]
	6-7 yo *vs* 10-11 yo	68		130	0.16	0.06 [a]	0.25 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

5. Perceived treading water

Overview

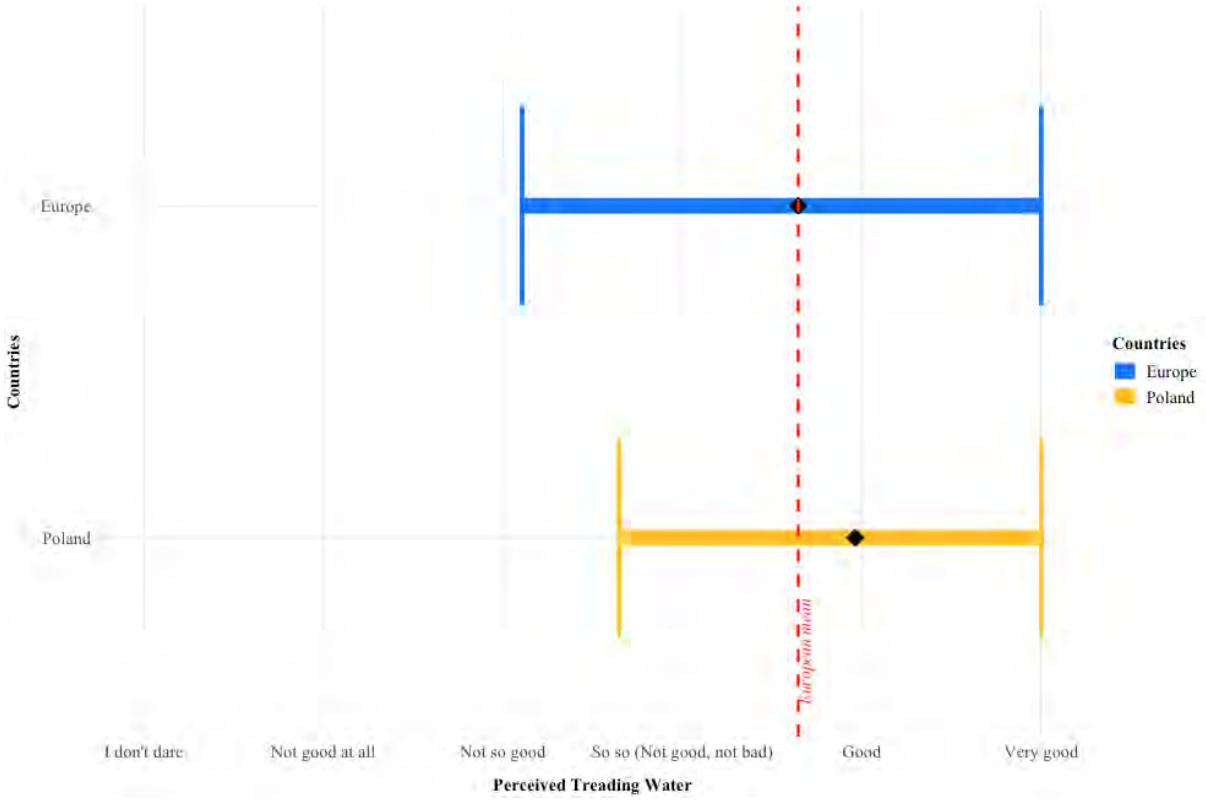


Figure 678. Distribution of the Perceived Treading Water in Europe and in Poland (Mean±SD).

Table 1165. Comparative Analysis of the Perceived Treading Water at School in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	252	2,592	0.004 **	0.11 [a]	0.34 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

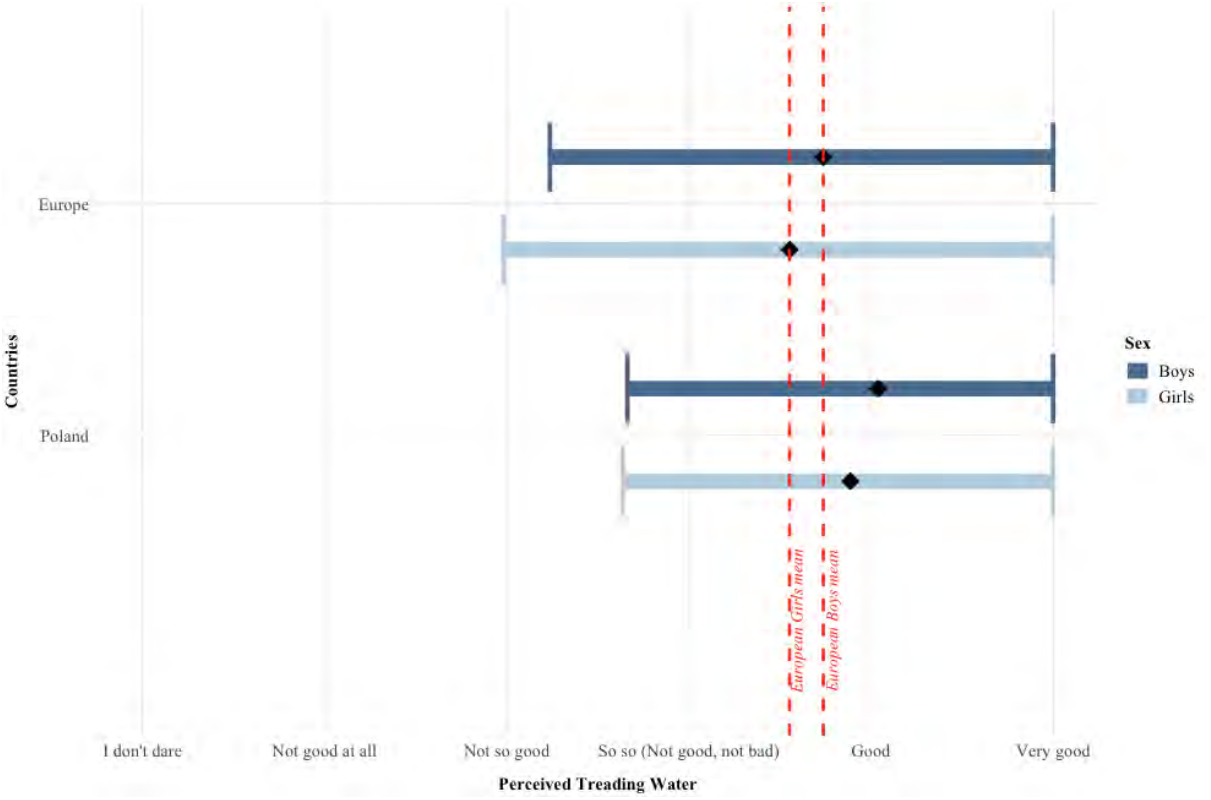


Figure 679. Distribution of the Perceived Treading Water according to the Sex in Europe and in Poland (Mean±SD).

Table 1166. Comparative Analysis of the Perceived Treading Water in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	Boys	128	1,304	0.01 *	0.06 [a]	0.26 [1]
	Girls	124	1,288	0.09	0.04 [a]	0.15 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1167. Comparative Analysis of the Perceived Treading Water in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	Boys *vs* Girls	128	124	0.06	0.11 [a]	0.41 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

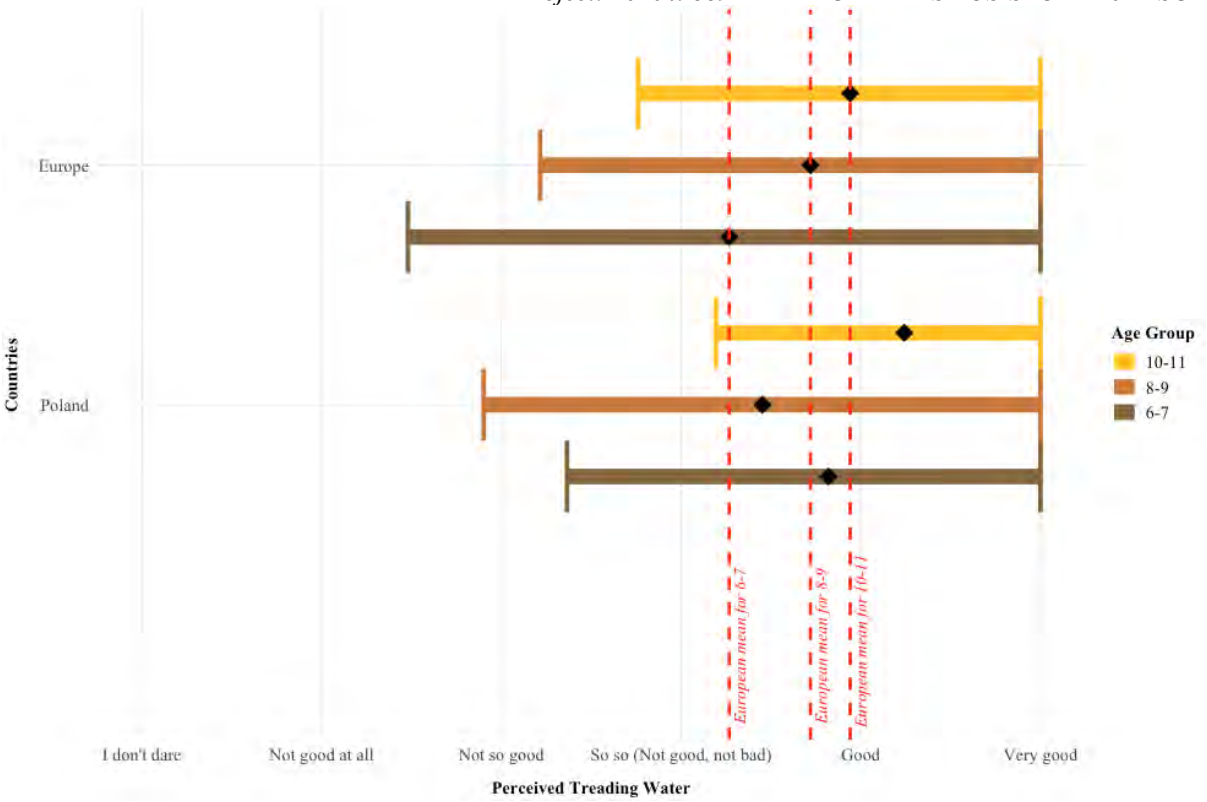


Figure 680. Distribution of the Perceived Treading Water according to the Age Group in Europe and in Poland (Mean±SD).

Table 1168. Comparative Analysis of the Perceived Treading Water in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	67	780	0.03 *	0.07 [a]	0.2 [1]
	8-9 yo	53	1,084	0.14	0.04 [a]	0.09 [1]
	10-11 yo	132	728	0.002 **	0.1 [a]	0.55 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1169. Comparative Analysis of the Perceived Treading Water in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	67	53		0.14	0.13 [a]	0.29 [1]
	8-9 yo *vs* 10-11 yo		53	132	6.9^{e-04} ***	0.23 [b]	0.83 [3]
	6-7 yo *vs* 10-11 yo	67		132	0.08	0.11 [a]	0.33 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

6. Perceived propulsion on the back

Overview

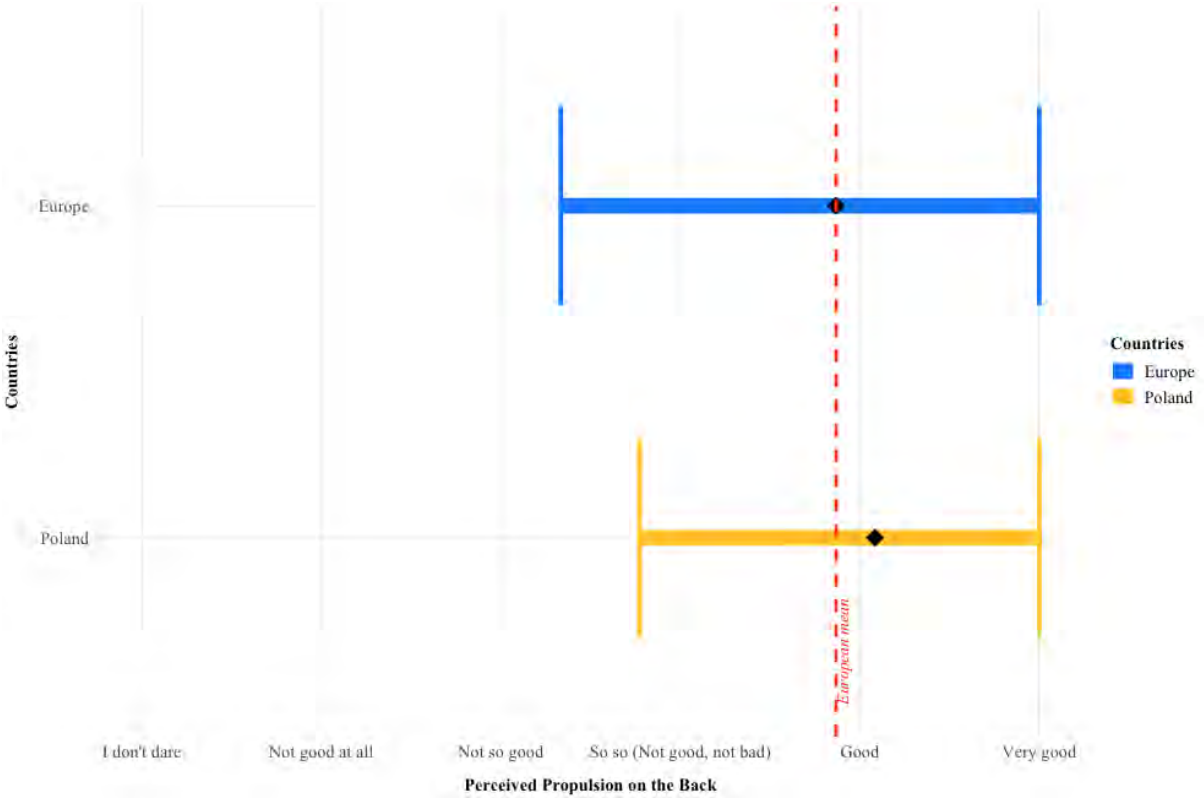


Figure 681. Distribution of the Perceived Propulsion on the Back in Europe and in Poland (Mean±SD).

Table 1170. Comparative Analysis of the Perceived Propulsion on the Back in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	248	2,554	0.23	0.04 [a]	0.1 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

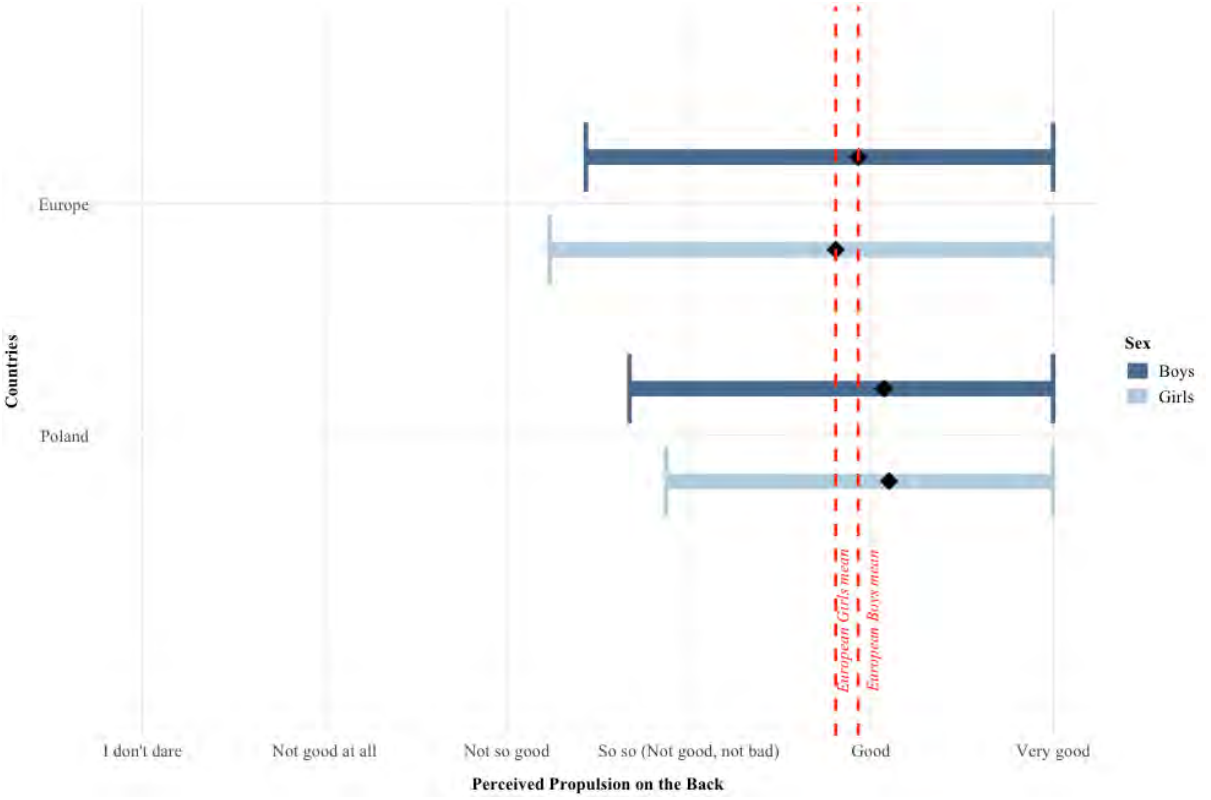


Figure 682. Distribution of the Perceived Propulsion on the Back according to the Sex in Europe and in Poland (Mean±SD).

Table 1171. Comparative Analysis of the Perceived Propulsion on the Back in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	Boys	126	1,283	0.54	0.01 [a]	0.06 [1]
	Girls	122	1,271	0.28	0.03 [a]	0.09 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1172. Comparative Analysis of the Perceived Propulsion on the Back in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland	Boys *vs* Girls	126	122	0.62	0.03 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

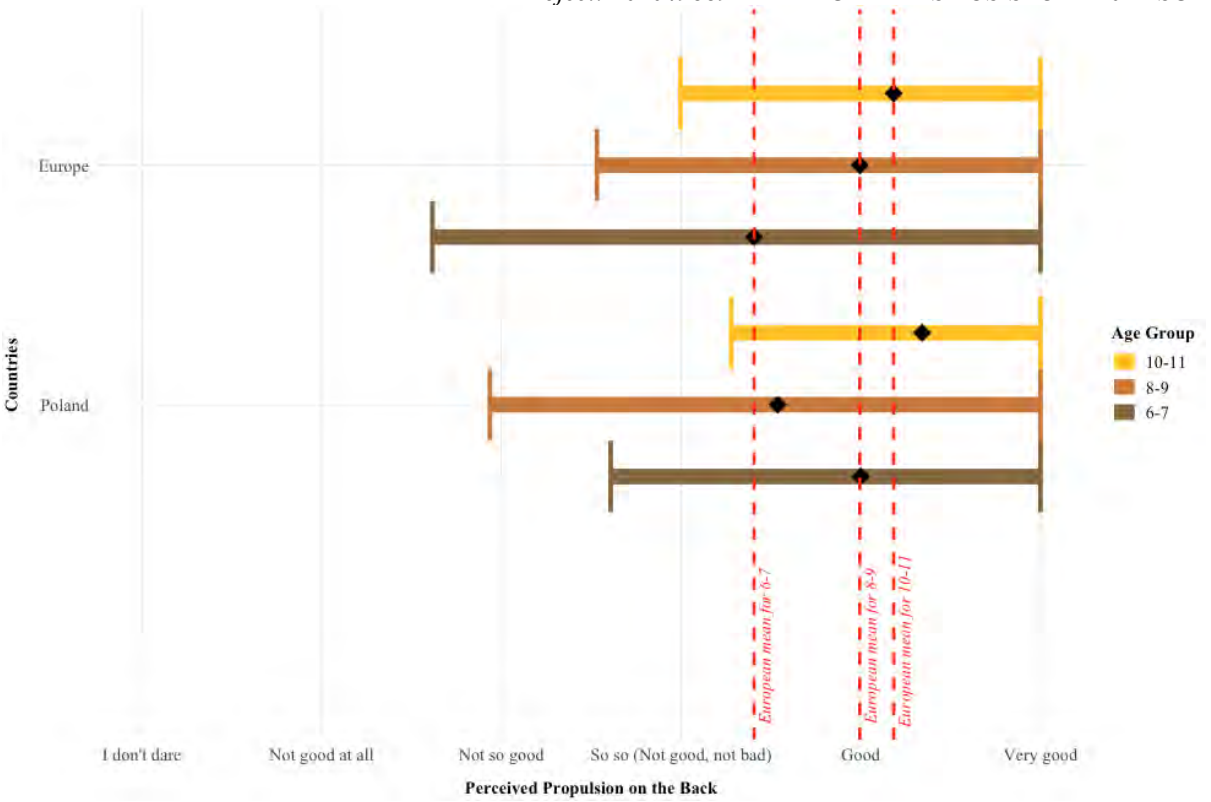


Figure 683. Distribution of the Perceived Propulsion on the Back according to the Age Group in Europe and in Poland (Mean±SD).

Table 1173. Comparative Analysis of the Perceived Propulsion on the Back in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	64	776	0.04 *	0.07 [a]	0.17
	8-9 yo	52	1,062	0.008 **	0.07 [a]	0.17
	10-11 yo	132	716	0.15	0.04 [a]	0.15

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1174. Comparative Analysis of the Perceived Propulsion on the Back in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	64	52		0.1	0.14 [a]	0.34 [1]
	8-9 yo *vs* 10-11 yo		52	132	5.5^{e-04} ***	0.23 [b]	0.82 [3]
	6-7 yo *vs* 10-11 yo	64		132	0.09	0.11 [a]	0.29 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

7. Perceived propulsion on the belly

Overview

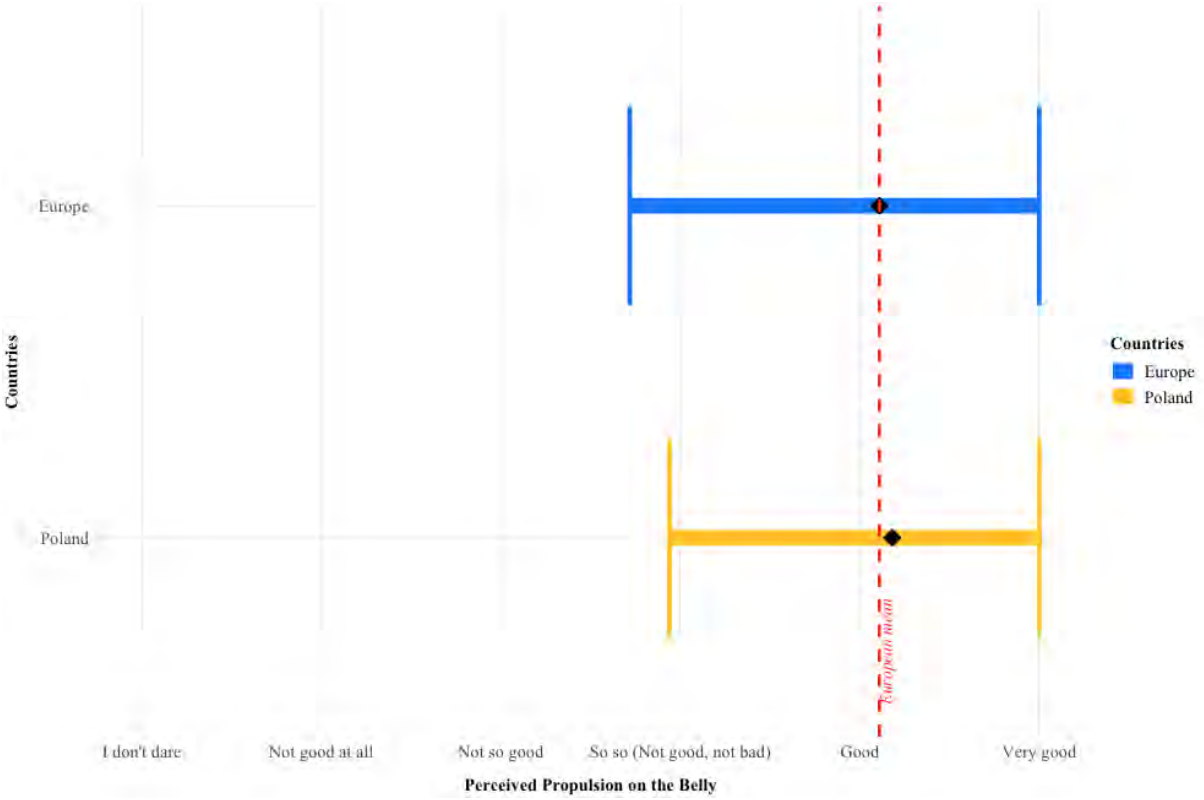


Figure 684. Distribution of the Perceived Propulsion on the Belly in Europe and in Poland (Mean±SD).

Table 1175. Comparative Analysis of the Perceived Propulsion on the Belly in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	28	2,549	0.89	0.004 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

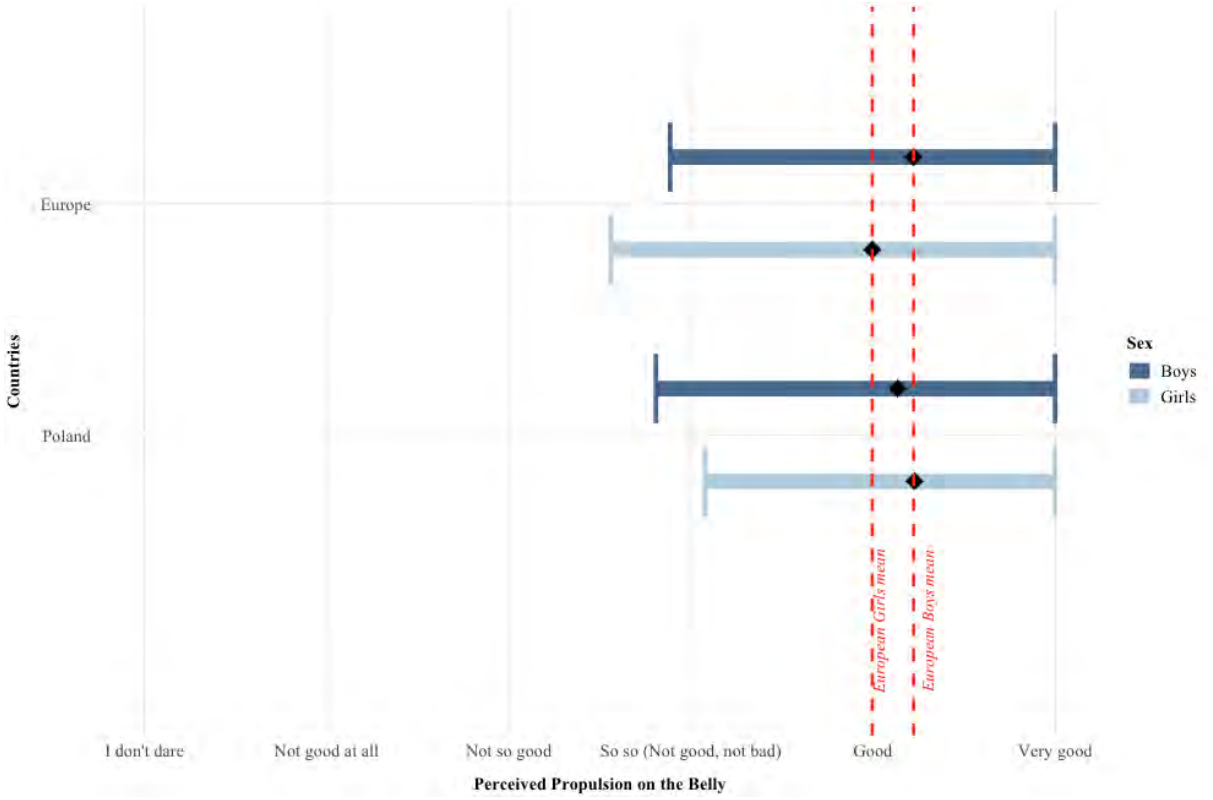


Figure 685. Distribution of the Perceived Propulsion on the Belly according to the Sex in Europe and in Poland (Mean±SD).

Table 1176. Comparative Analysis of the Perceived Propulsion on the Belly in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* **Europe**	Boys	125	1,277	0.17	0.03 [a]	0.1 [1]
	Girls	123	1,272	0.26	0.03 [a]	0.09 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1177. Comparative Analysis of the Perceived Propulsion on the Belly in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland	Boys *vs* Girls	125	123	0.9	0.007 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

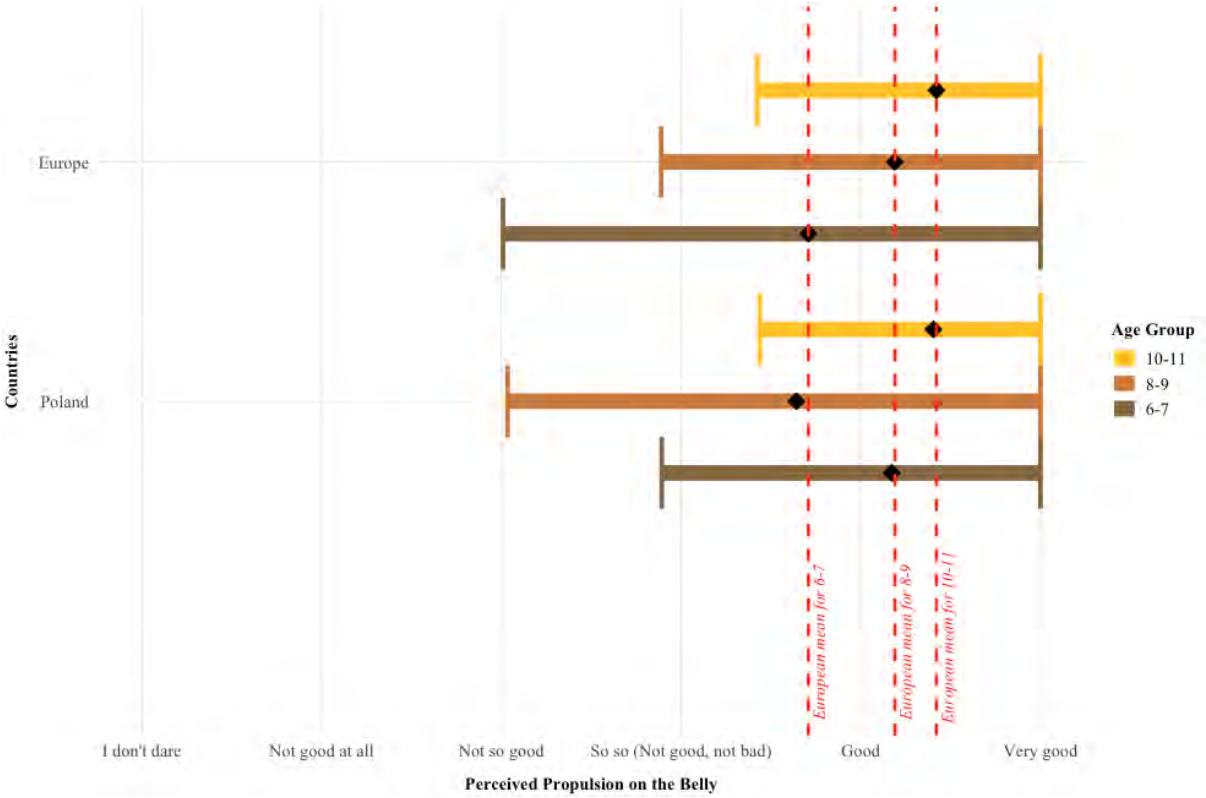


Figure 686. Distribution of the Perceived Propulsion on the Belly according to the Age Group in Europe and in Poland (Mean±SD).

Table 1178. Comparative Analysis of the Perceived Propulsion on the Belly in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	64	769	0.1	0.05 [a]	0.13 [1]
	8-9 yo	53	1,068	0.004 **	0.07 [a]	0.19 [1]
	10-11 yo	131	712	0.64	0.01 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1179. Comparative Analysis of the Perceived Propulsion on the Belly in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	64	53		0.06	0.16 [a]	0.42 [1]
	8-9 yo *vs* 10-11 yo		53	131	0.002 **	0.2 [b]	0.72 [2]
	6-7 yo *vs* 10-11 yo	64		131	0.39	0.05 [a]	0.11 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

8. Perceived submersion

Overview

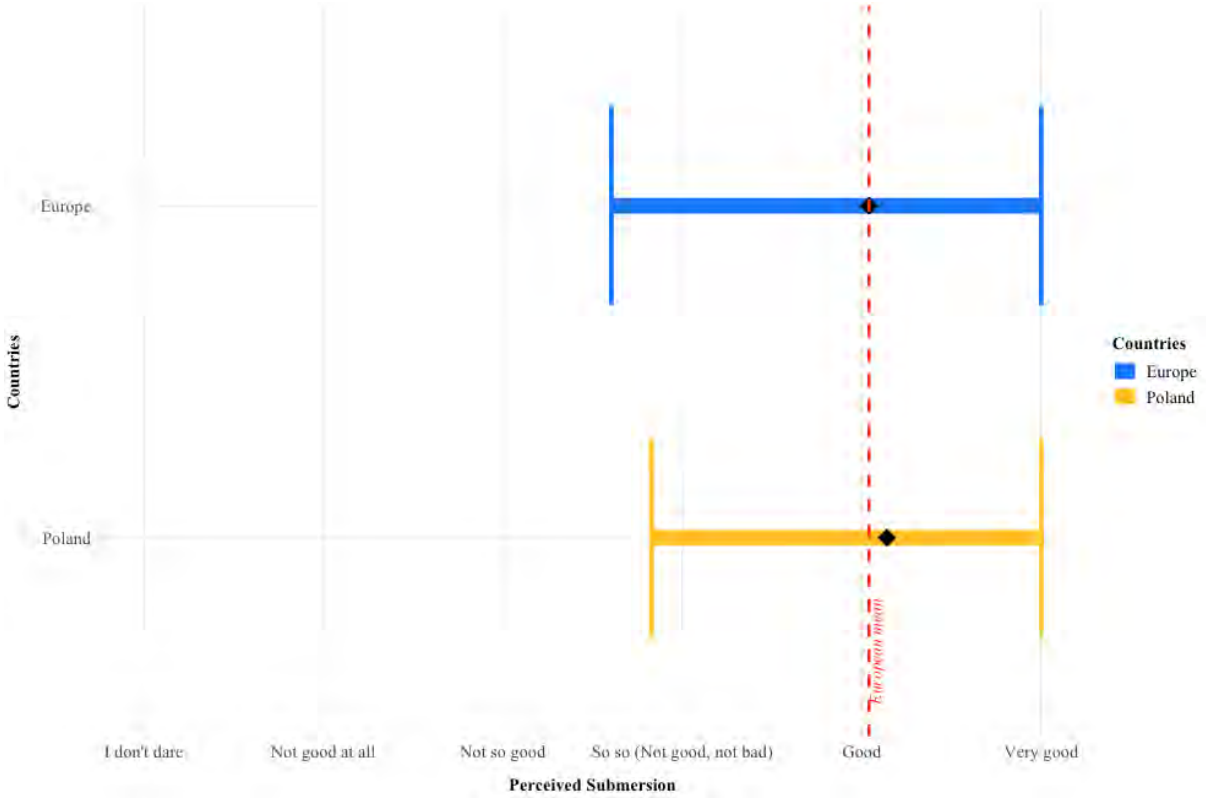


Figure 687. Distribution of the Perceived Submersion in Europe and in Poland (Mean±SD).

Table 1180. Comparative Analysis of the Perceived Submersion in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	250	2,551	0.68	0.01 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

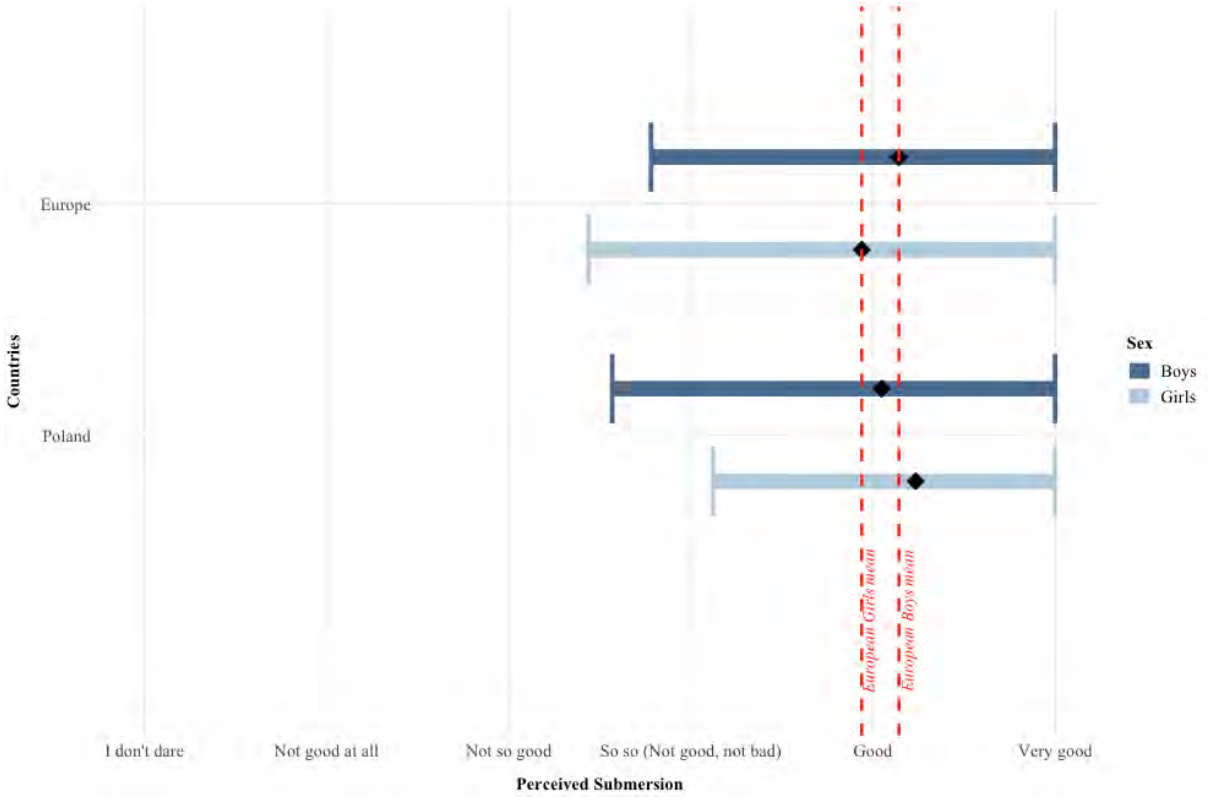


Figure 688. Distribution of the Perceived Submersion according to the Sex in Europe and in Poland (Mean±SD).

Table 1181. Comparative Analysis of the Perceived Submersion in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	Boys	126	1,281	0.53	0.01 [a]	0.06 [1]
	Girls	124	1,270	0.22	0.03 [a]	0.1 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1182. Comparative Analysis of the Perceived Submersion in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland	Boys *vs* Girls	126	124	0.92	0.006 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

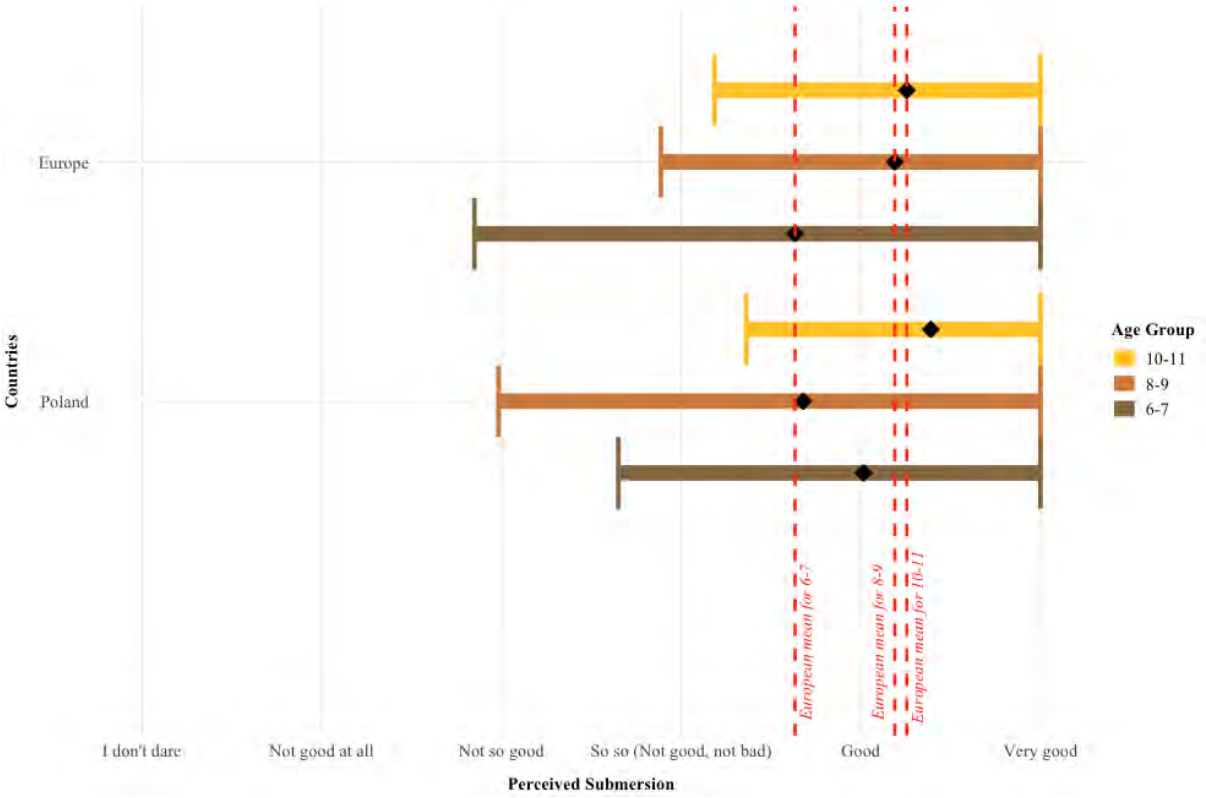


Figure 689. Distribution of the Perceived Submersion according to the Age Group in Europe and in Poland (Mean±SD).

Table 1183. Comparative Analysis of the Perceived Submersion in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	66	771	0.48	0.02 [a]	0.06 [1]
	8-9 yo	53	1,066	0.03 *	0.06 [a]	0.13 [1]
	10-11 yo	131	714	0.1	0.05 [a]	0.19 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1184. Comparative Analysis of the Perceived Submersion in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	66	53		0.5	0.06 [a]	0.09 [1]
	8-9 yo *vs* 10-11 yo		53	131	0.01 *	0.16 [a]	0.52 [2]
	6-7 yo *vs* 10-11 yo	66		131	0.05 *	0.13 [a]	0.39 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

9. Perceived floating

Overview

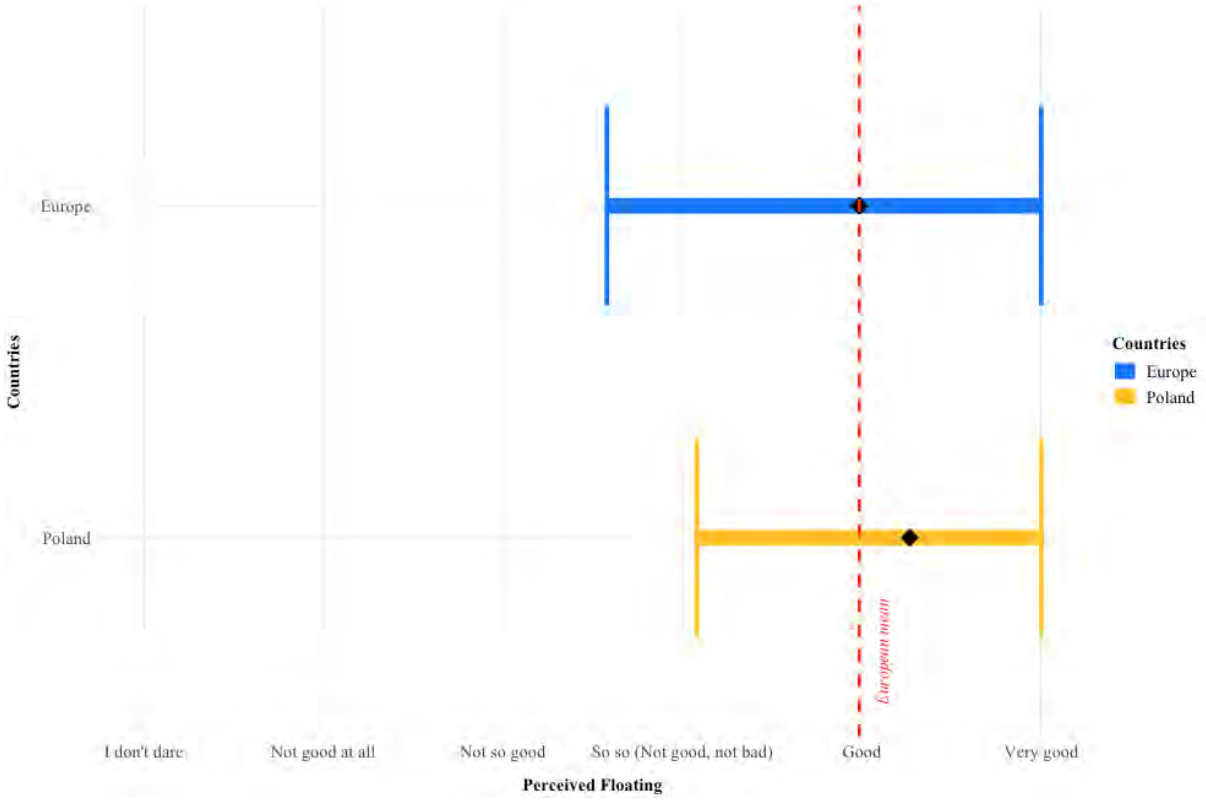


Figure 690. Distribution of the Perceived Floating in Europe and in Poland (Mean±SD).

Table 1185. Comparative Analysis of the Perceived Floating in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	254	2,556	0.007 **	0.09 [a]	0.29 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

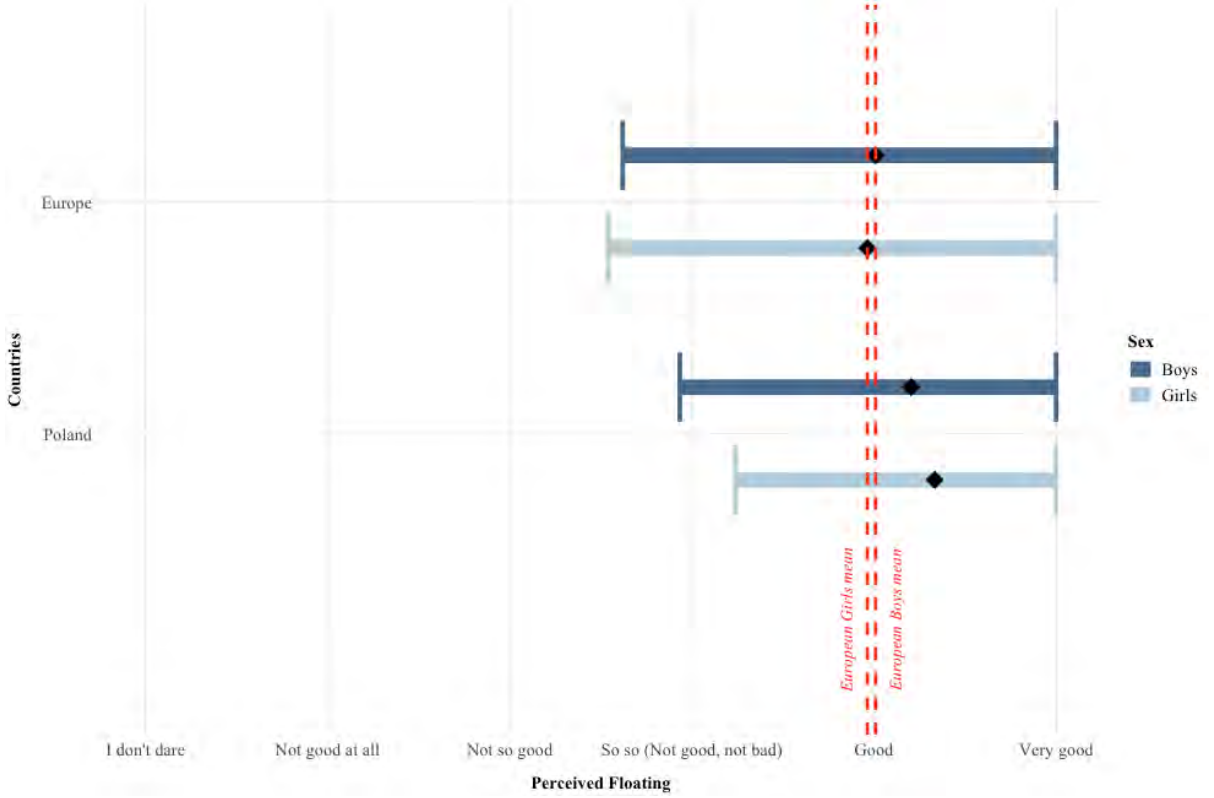


Figure 691. Distribution of the Perceived Floating according to the Sex in Europe and in Poland (Mean±SD).

Table 1186. Comparative Analysis of the Perceived Floating in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	Boys	128	1,283	0.19	0.03 [a]	0.1 [1]
	Girls	126	1,273	0.01 *	0.06 [a]	0.26 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1187. Comparative Analysis of the Perceived Floating in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	Boys *vs* Girls	128	126	0.53	0.03 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

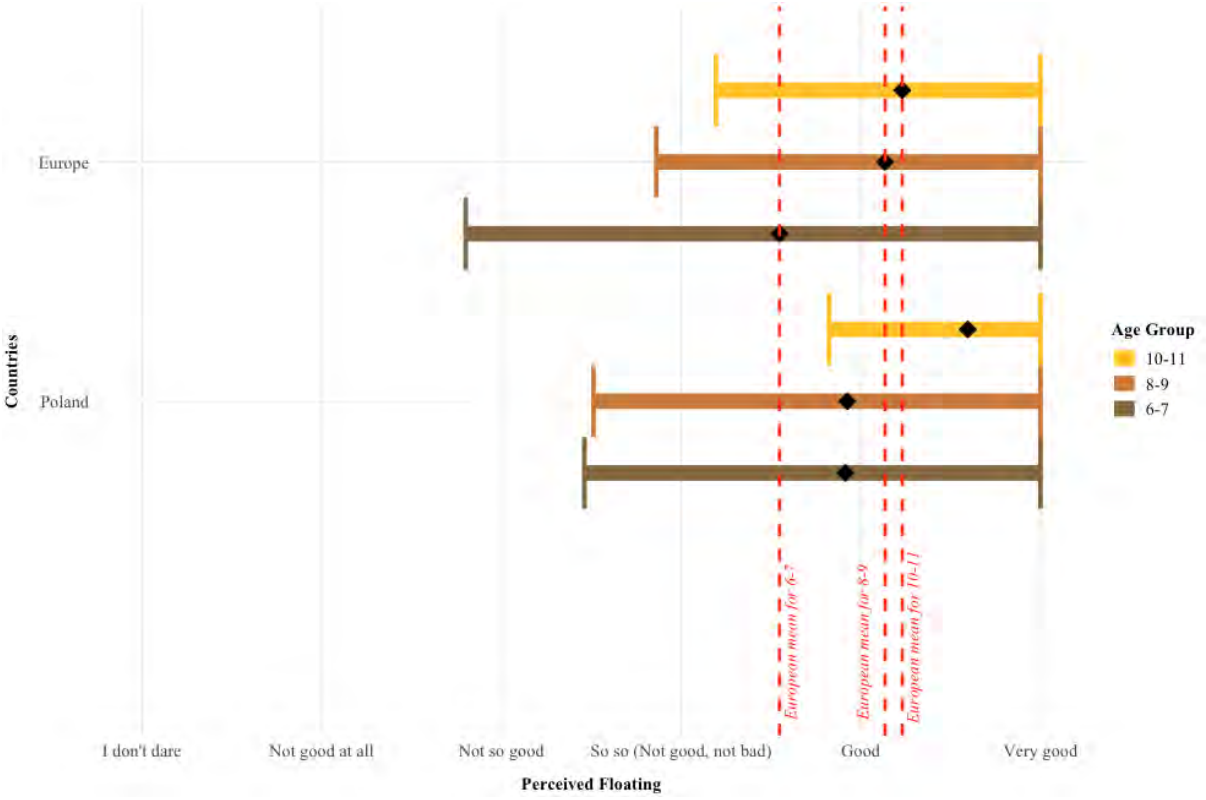


Figure 692. Distribution of the Perceived Floating according to the Age Group in Europe and in Poland (Mean±SD).

Table 1188. Comparative Analysis of the Perceived Floating in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	70	766	0.29	0.03 [a]	0.08 [1]
	8-9 yo	53	1,071	0.16	0.04 [a]	0.08 [1]
	10-11 yo	131	719	4.76^{e-05} ***	0.12 [a]	0.76 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1189. Comparative Analysis of the Perceived Floating in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	70	53		0.91	0.009 [a]	0.05 [1]
	8-9 yo *vs* 10-11 yo		53	131	3.3^{e-04} ***	0.23 [b]	0.81 [3]
	6-7 yo *vs* 10-11 yo	70		131	2.19^{e-04} ***	0.22 [b]	0.87 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

e. Enjoyment

1. Swimming lessons at school

Overview

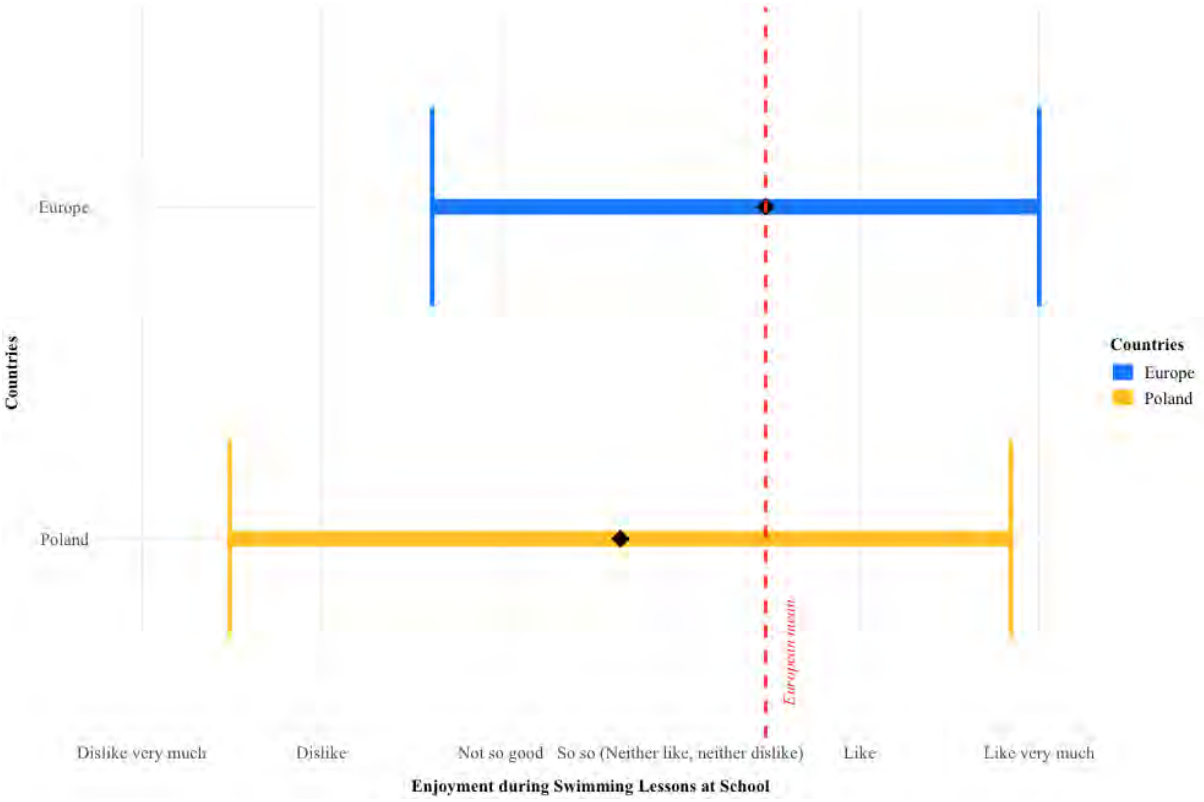


Figure 693. Distribution of the Enjoyment during Swimming Lessons at School in Europe and in Poland (Mean±SD).

Table 1190. Comparative Analysis of the Enjoyment during Swimming Lessons at School in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	252	2,522	3.12^{e-08} ***	0.2 [a]	0.86 [3]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

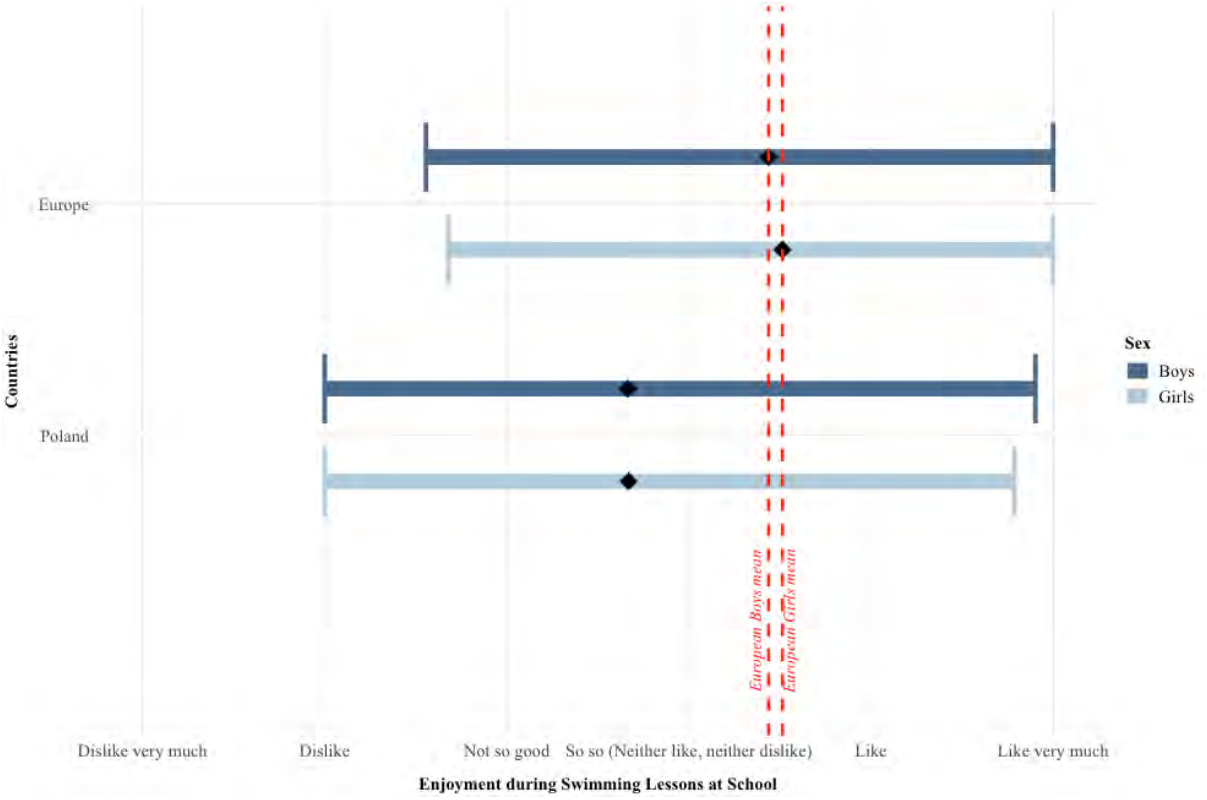


Figure 694. Distribution of the Enjoyment during Swimming Lessons at School according to the Sex in Europe and in Poland (Mean±SD).

Table 1191. Comparative Analysis of the Enjoyment during Swimming Lessons at School in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	Boys	128	1,259	1.41^{e-04} ***	0.09 [a]	0.49 [1]
	Girls	124	1,263	1.32^{e-05} ***	0.11 [a]	0.66 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1192. Comparative Analysis of the Enjoyment during Swimming Lessons at School in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	Boys *vs* Girls	128	124	0.81	0.01 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

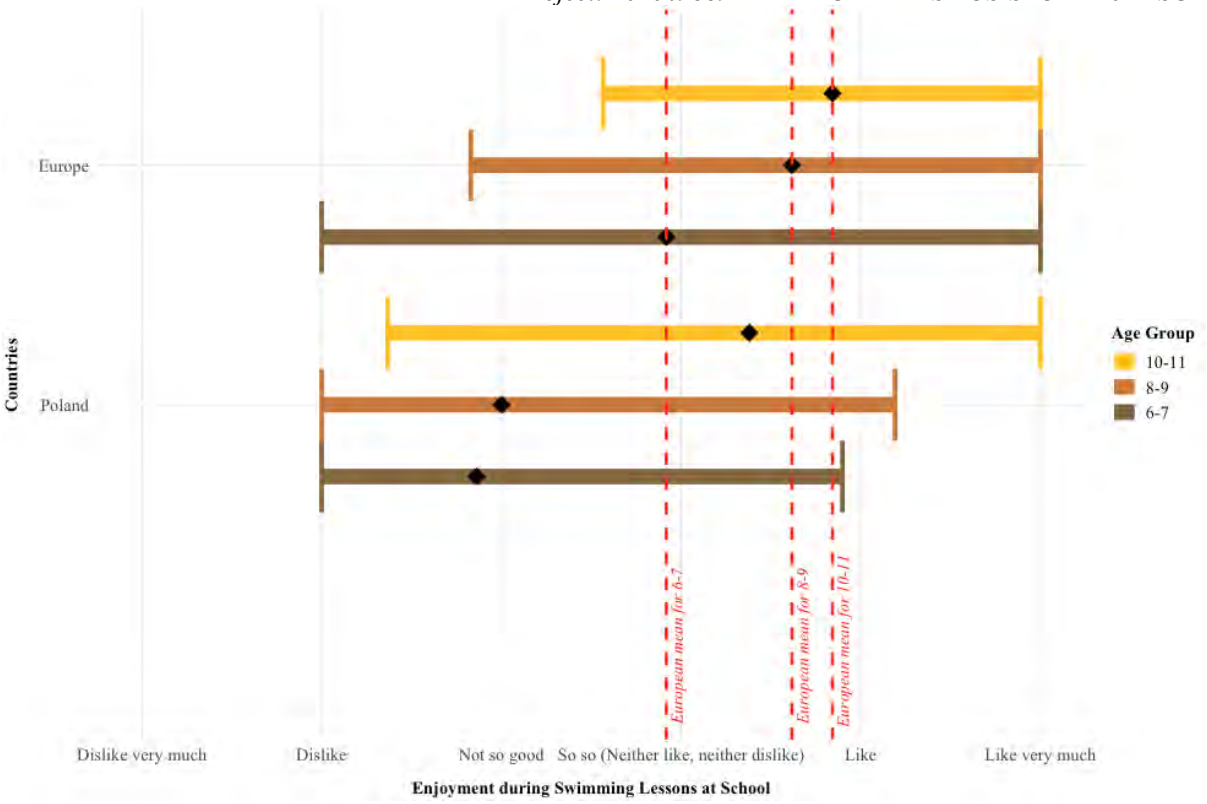


Figure 695. Distribution of the Enjoyment during Swimming Lessons at School according to the Age Group in Europe and in Poland (Mean±SD).

Table 1193. Comparative Analysis of the Enjoyment during Swimming Lessons at School in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	72	745	1.17^{e-05} ***	0.14 [a]	0.65 [2]
	8-9 yo	51	1,048	2.3^{e-07} ***	0.15 [a]	0.54 [2]
	10-11 yo	129	729	0.63	0.01 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1194. Comparative Analysis of the Enjoyment during Swimming Lessons at School in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	72	51		0.72	0.03 [a]	0.06 [1]
	8-9 yo *vs* 10-11 yo		51	129	1.47^{e-04} ***	0.27 [b]	0.92 [4]
	6-7 yo *vs* 10-11 yo	72		129	4.58^{e-07} ***	0.34 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

2. Swimming lessons at school with friends

Overview

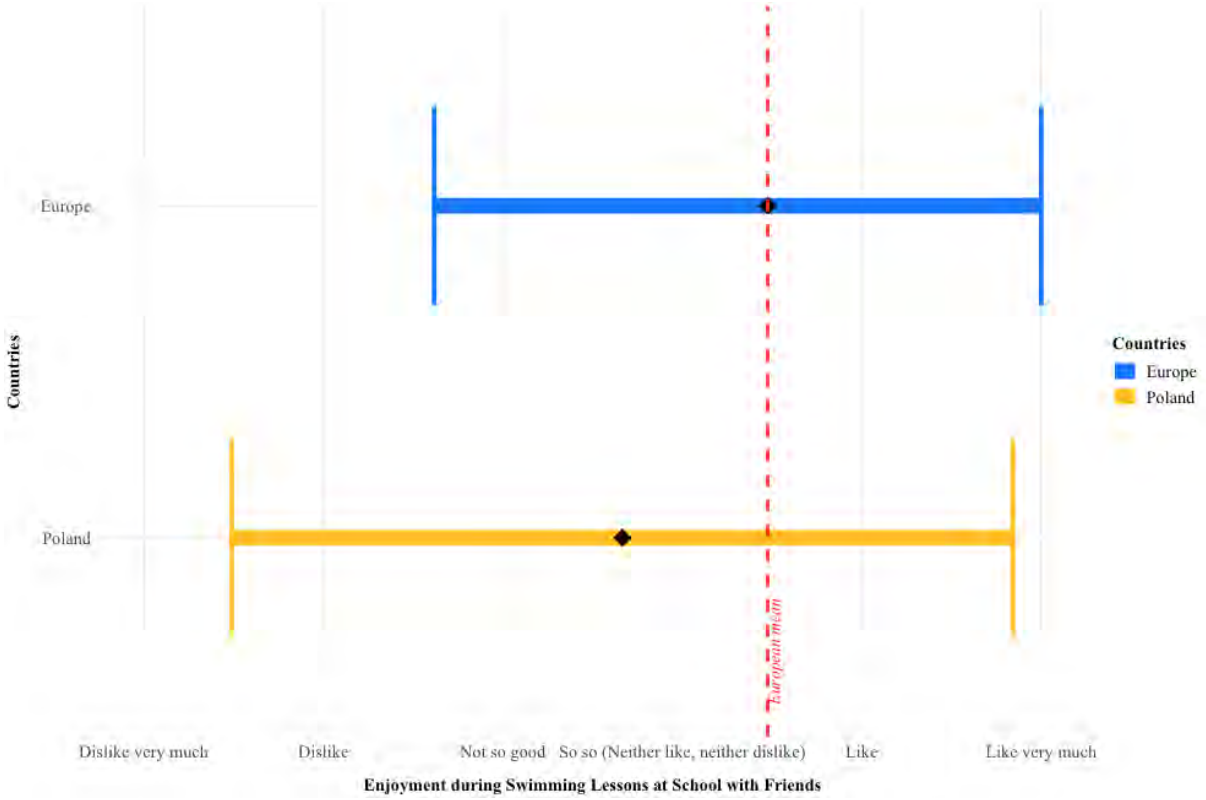


Figure 696. Distribution of the Enjoyment during Swimming Lessons at School with Friends in Europe and in Poland (Mean±SD).

Table 1195. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	252	2,522	3.12^{e-08} ***	0.2 [a]	0.86 [3]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

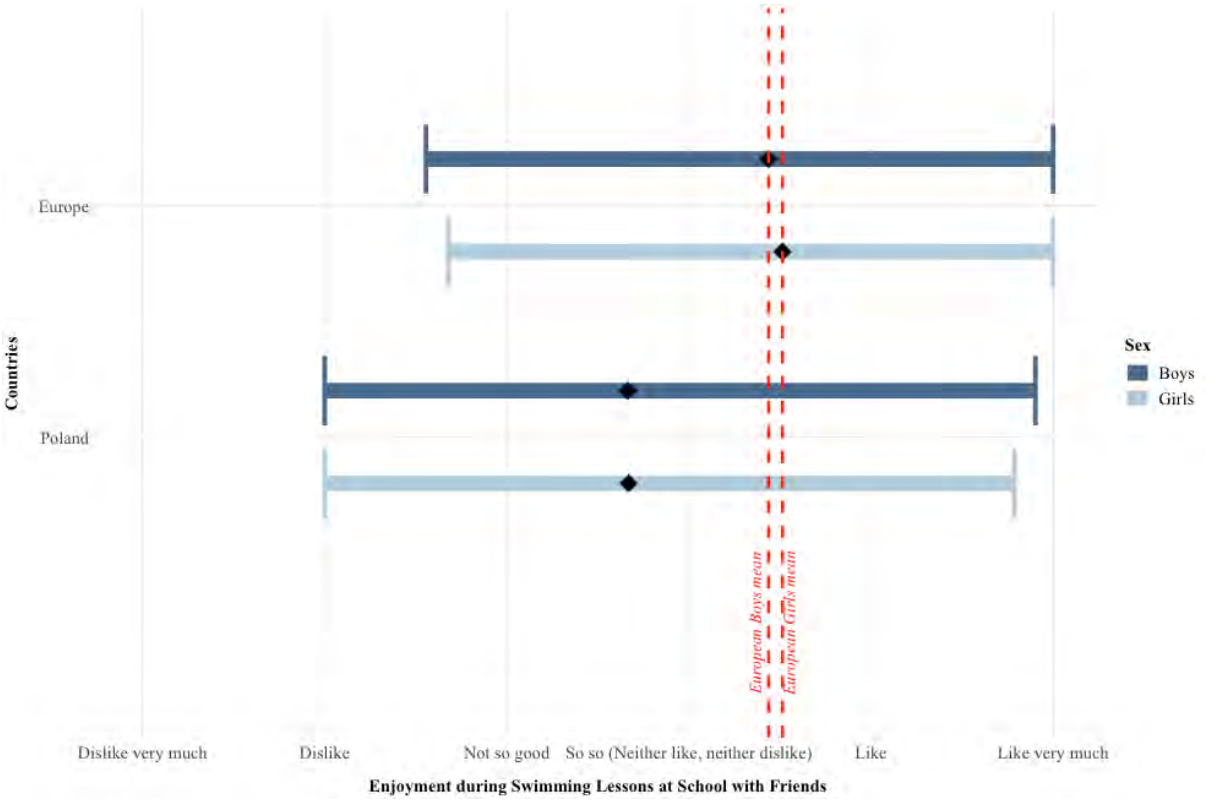


Figure 697. Distribution of the Enjoyment during Swimming Lessons at School with Friends according to the Sex in Europe and in Poland (Mean±SD).

Table 1196. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	Boys	128	1,259	4.42^{e-04} ***	0.09 [a]	0.49 [1]
	Girls	124	1,263	1.32^{e-05}***	0.11 [a]	0.66 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1197. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	Boys *vs* Girls	128	124	0.81	0.01 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

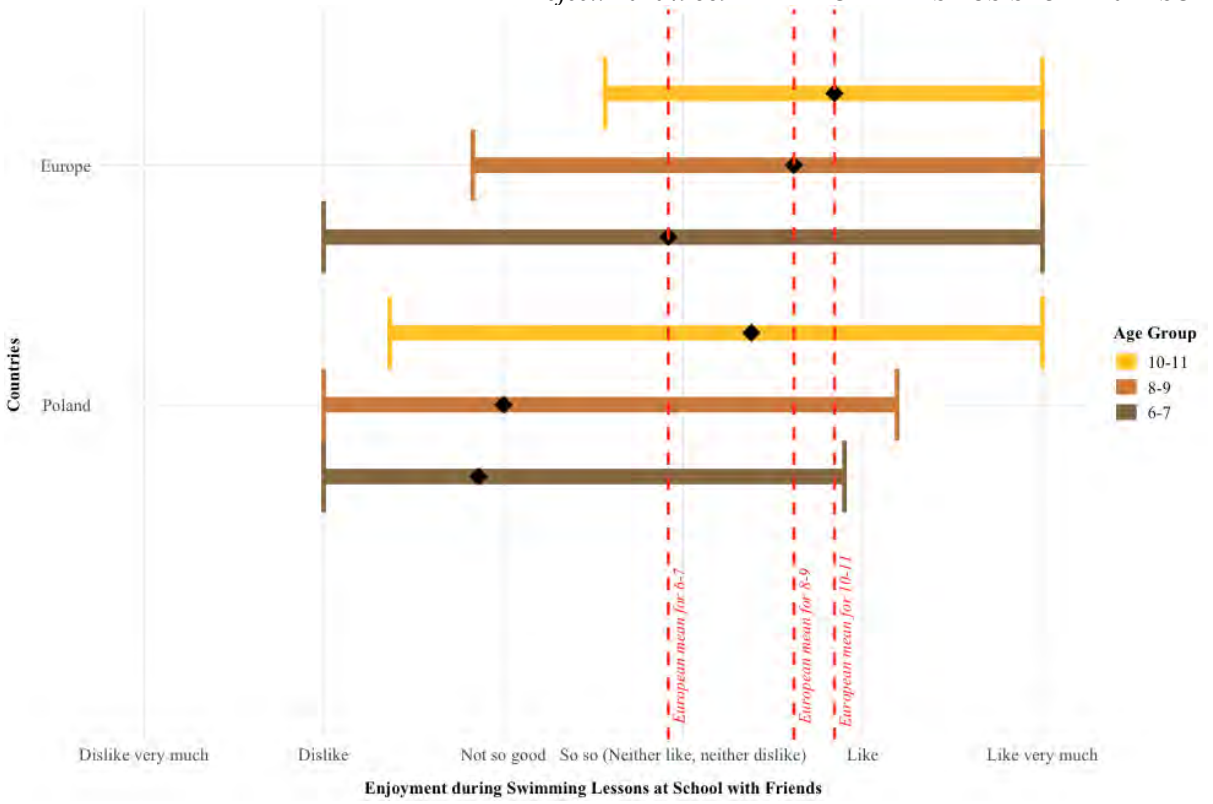


Figure 698. Distribution of the Enjoyment during Swimming Lessons at School with Friends according to the Age Group in Europe and in Poland (Mean±SD).

Table 1198. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	72	745	1.17^{e-05} ***	0.14 [a]	0.65 [2]
	8-9 yo	51	1,048	2.3^{e-07} ***	0.15 [a]	0.54 [2]
	10-11 yo	129	729	0.63	0.01 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1199. Comparative Analysis of the Enjoyment during Swimming Lessons at School with Friends in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	72	51		0.72	0.03 [a]	0.06 [1]
	8-9 yo *vs* 10-11 yo		51	129	1.47^{e-04} ***	0.27 [b]	0.92 [4]
	6-7 yo *vs* 10-11 yo	72		129	4.58^{e-07} ***	0.34 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

3. Swimming lessons out-of-school

Overview

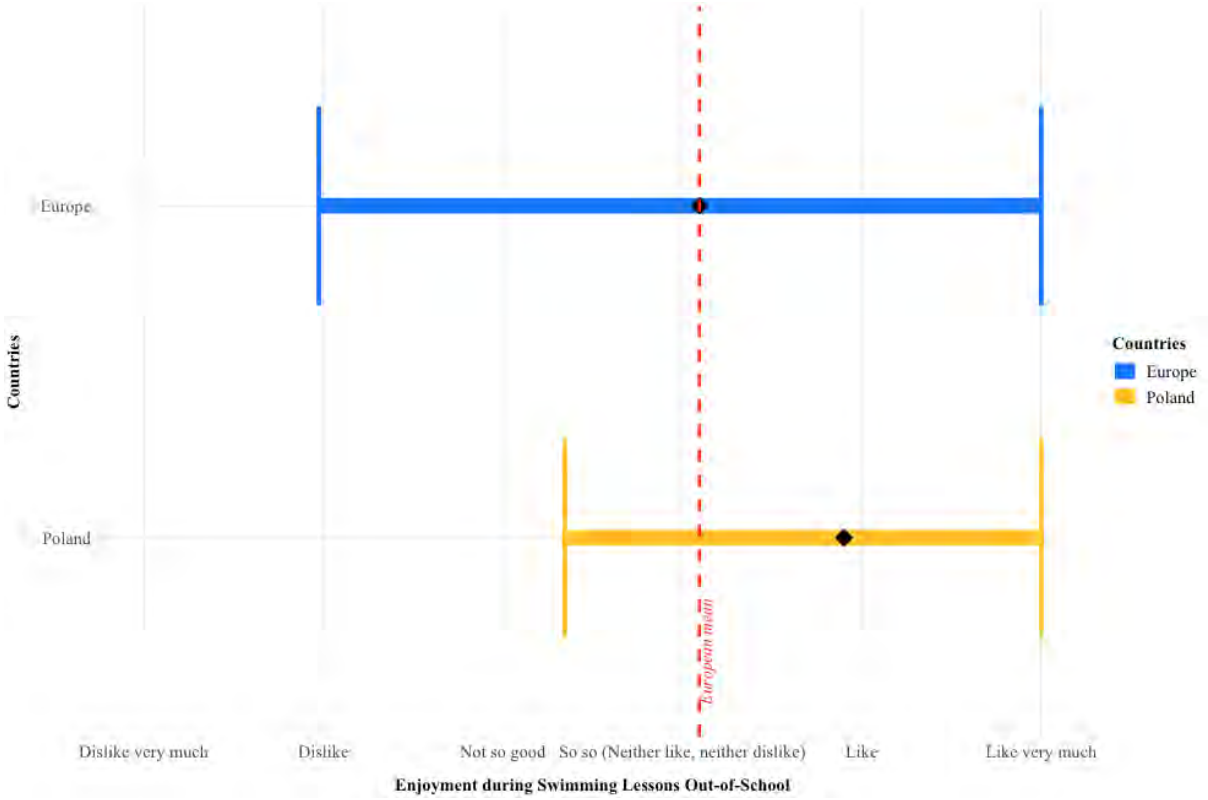


Figure 699. Distribution of the Enjoyment during Swimming Lessons Out-of-School in Europe and in Poland (Mean±SD).

Table 1200. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	251	2,620	2.24^{e-06} ***	0.17 [a]	0.72 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

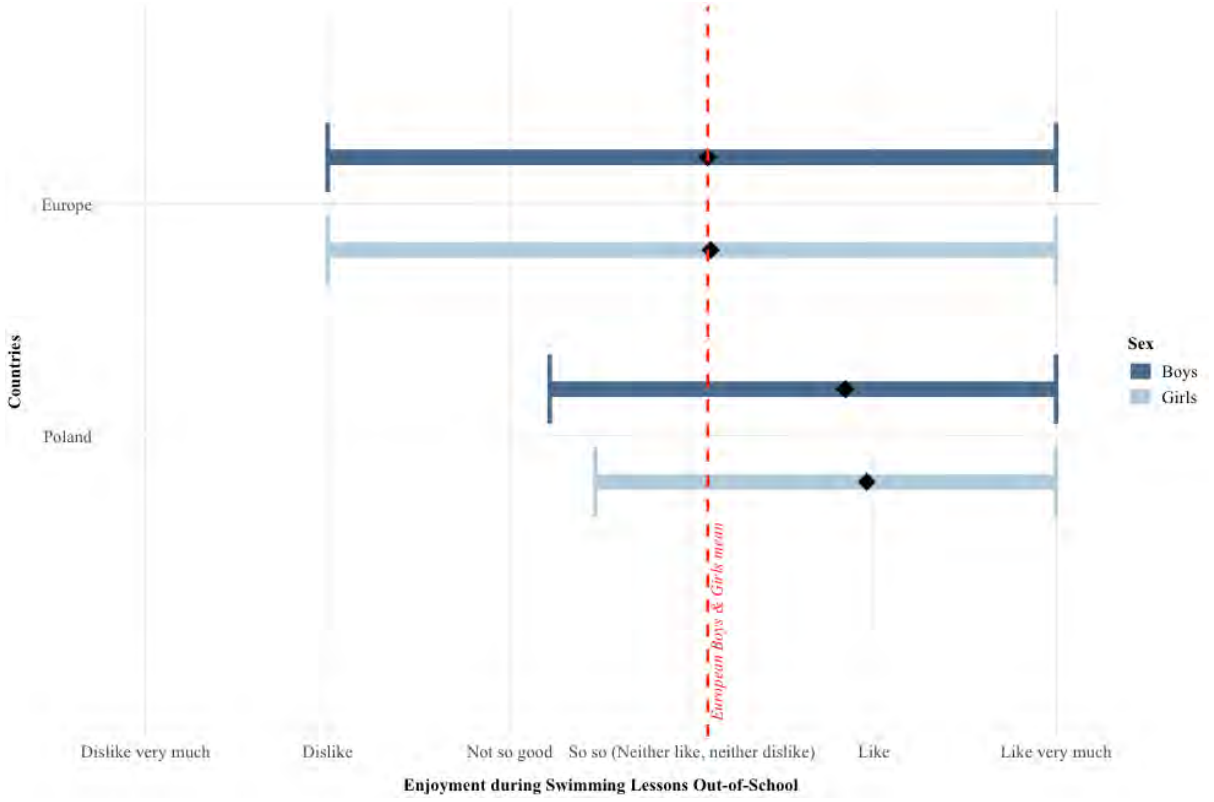


Figure 700. Distribution of the Enjoyment during Swimming Lessons Out-of-School according to the Sex in Europe and in Poland (Mean±SD).

Table 1201. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	Boys	126	1,318	0.001 **	0.08 [a]	0.4 [1]
	Girls	125	1,302	1.9^{e-04} ***	0.09 [a]	0.46 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1202. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland	Boys *vs* Girls	126	125	0.7	0.02 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

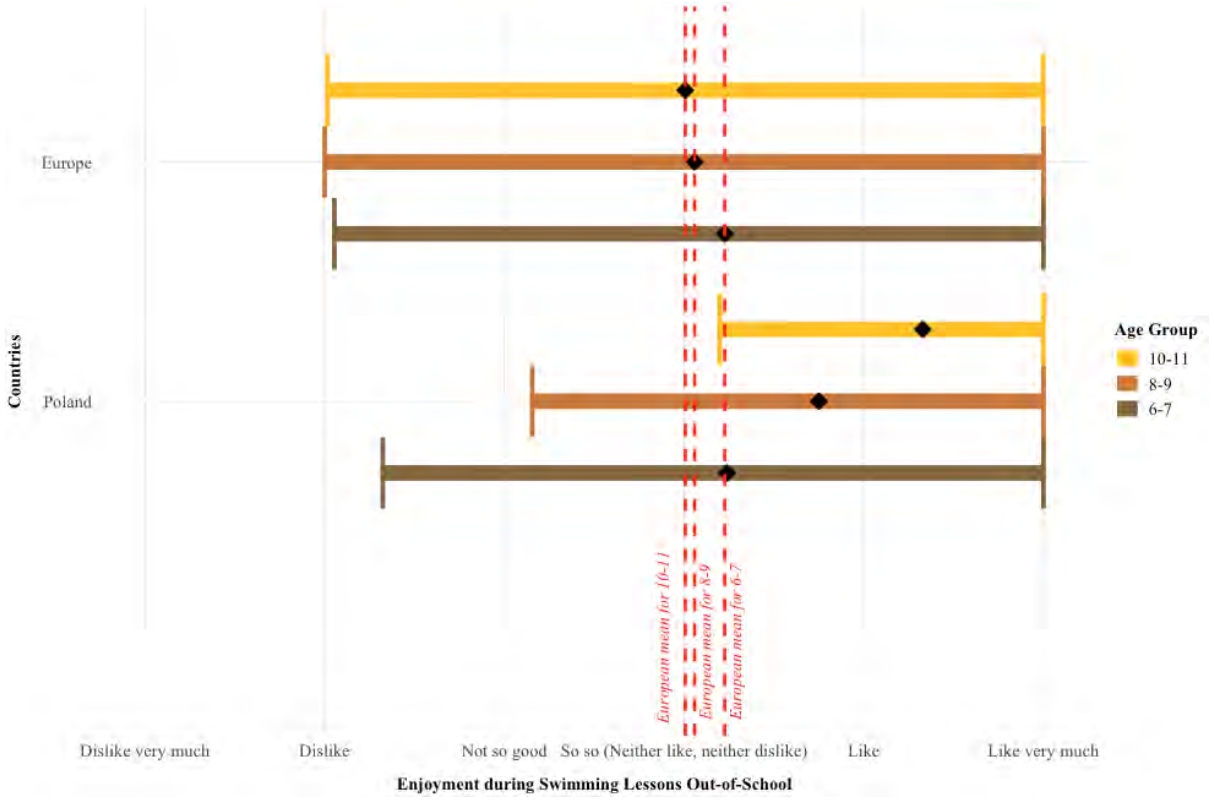


Figure 701. Distribution of the Enjoyment during Swimming Lessons Out-of-School according to the Age Group in Europe and in Poland (Mean±SD).

Table 1203. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	71	796	0.22	0.04 [a]	0.09 [1]
	8-9 yo	52	1,089	0.17	0.04 [a]	0.08 [1]
	10-11 yo	128	735	1.3^{e-13} ***	0.24 [b]	0.99 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1204. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	71	52		0.2	0.11 [a]	0.23 [1]
	8-9 yo *vs* 10-11 yo		52	128	0.008 **	0.18 [a]	0.59 [2]
	6-7 yo *vs* 10-11 yo	71		128	1^{e-05} ***	0.29 [b]	0.98 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

4. Swimming lessons out-of-school with friends

Overview

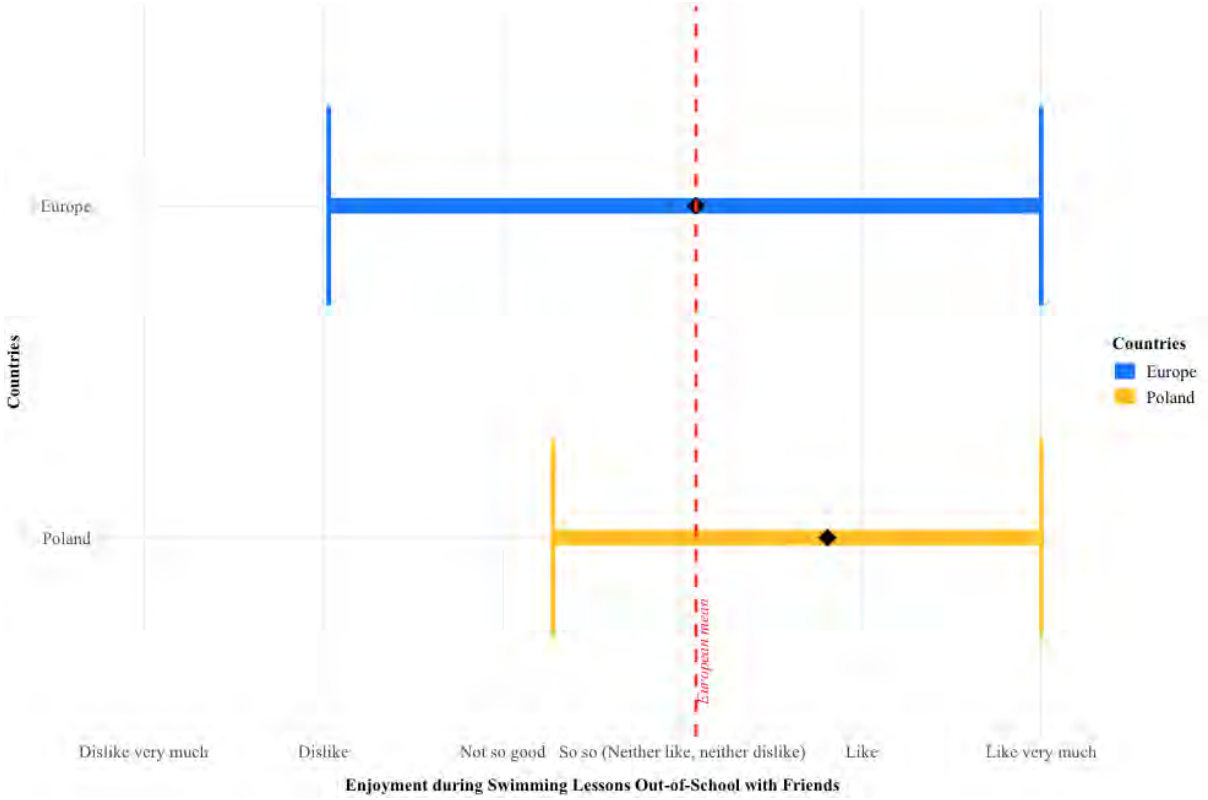


Figure 702. Distribution of the Enjoyment during Swimming Lessons Out-of-School with Friends in Europe and in Poland (Mean±SD).

Table 1205. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	251	2,613	1.08^{e-05} ***	0.16 [a]	0.67 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

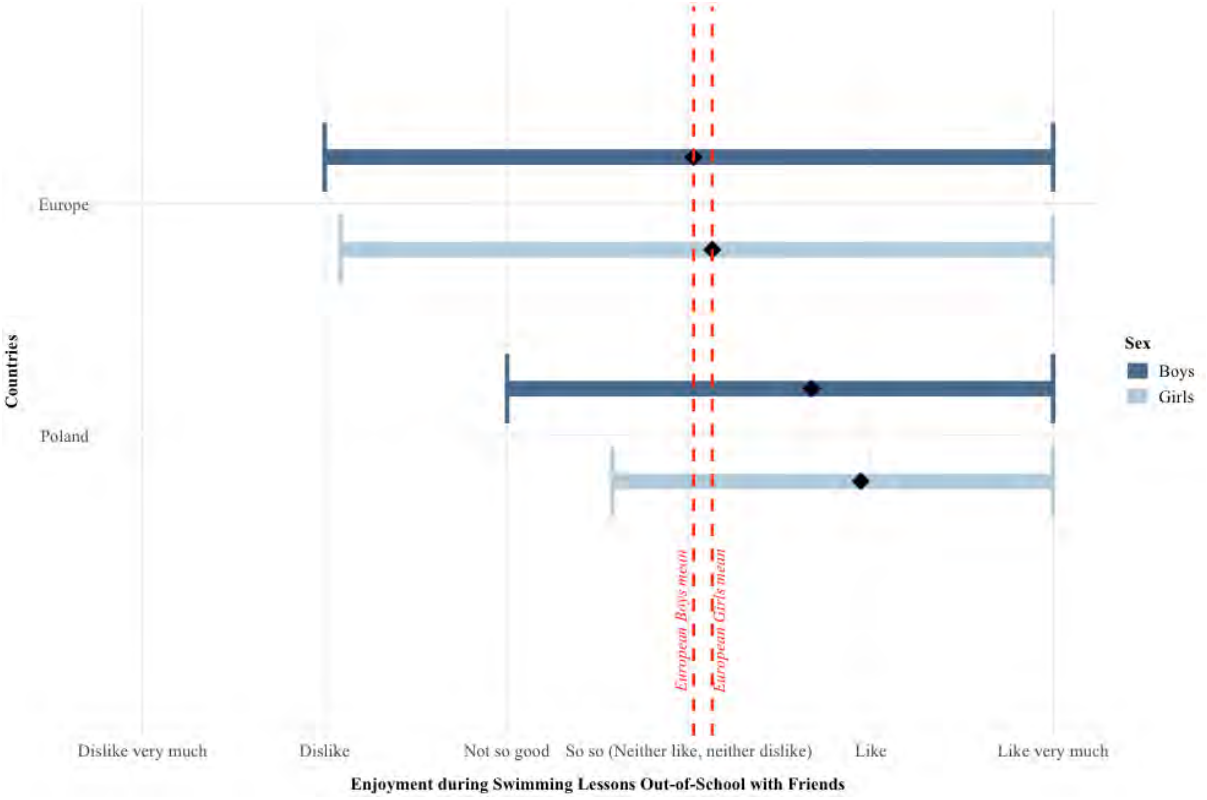


Figure 703. Distribution of the Enjoyment during Swimming Lessons Out-of-School with Friends according to the Sex the Sex in Europe and in Poland (Mean±SD).

Table 1206. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	Boys	126	1,307	0.004 **	0.07 [a]	0.35 [1]
	Girls	125	1,306	0.001 **	0.08 [a]	0.43 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1207. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	Boys *vs* Girls	126	125	0.48	0.04 [a]	0.1 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

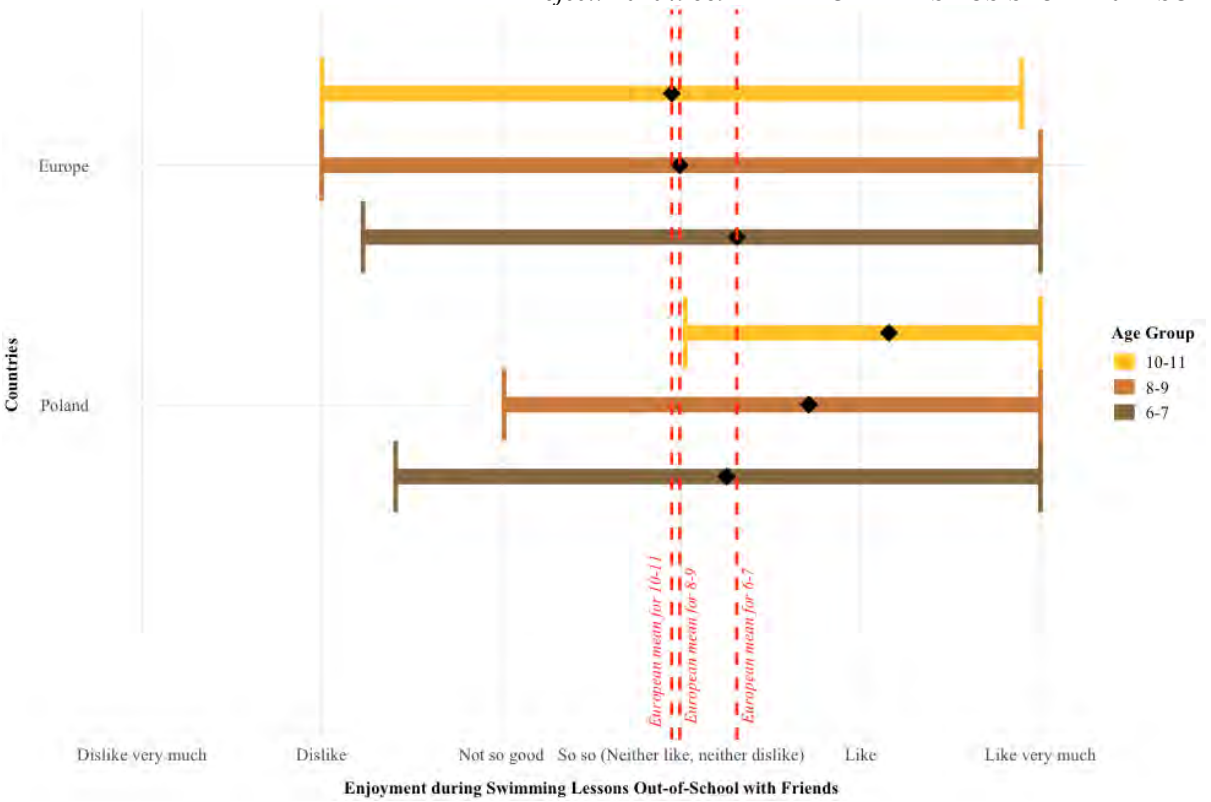


Figure 704. Distribution of the Enjoyment during Swimming Lessons Out-of-School with Friends according to the Age Group in Europe and in Poland (Mean±SD).

Table 1208. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	71	796	0.1	0.05 [a]	0.14 [1]
	8-9 yo	52	1,086	0.04 *	0.06 [a]	0.13 [1]
	10-11 yo	128	731	5.55^{e-11} ***	0.22 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1209. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	71	52		0.1	0.14 [a]	0.34 [1]
	8-9 yo *vs* 10-11 yo		52	128	0.2	0.09 [a]	0.18 [1]
	6-7 yo *vs* 10-11 yo	71		128	4.65^{e-04} ***	0.23 [b]	0.9 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

5. Playing in the swimming pool

Overview

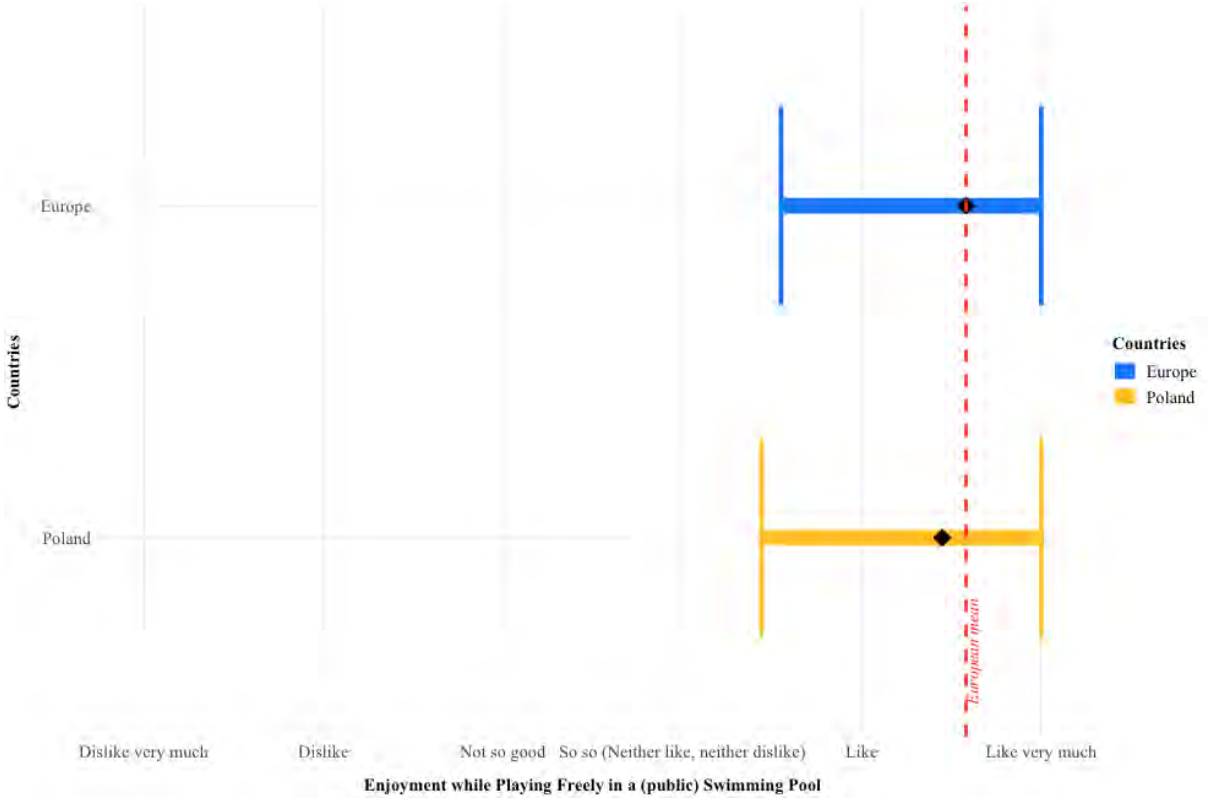


Figure 705. Distribution of the Enjoyment while Playing Freely in the Swimming Pool in Europe and in Poland (Mean±SD).

Table 1210. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	525	2,773	4.99^{e-05} ***	0.11 [a]	0.37 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

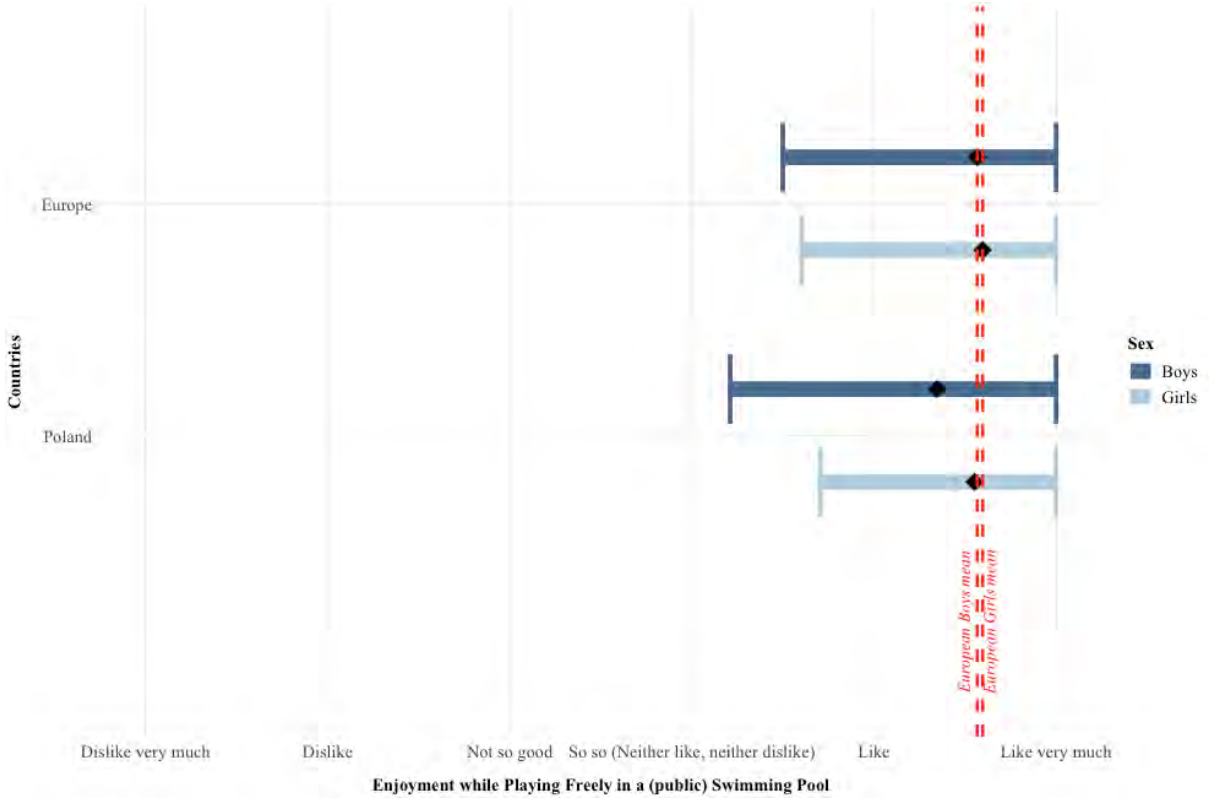


Figure 706. Distribution of the Enjoyment while Playing Freely in the Swimming Pool according to the Sex in Europe and in Poland (Mean±SD).

Table 1211. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* **Europe**	Boys	127	1,369	1.4^{e-04} ***	0.07 [a]	0.34 [1]
	Girls	125	1,354	0.03 *	0.04 [a]	0.12 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1212. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland	Boys *vs* Girls	127	125	0.2	0.07 [a]	0.19 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

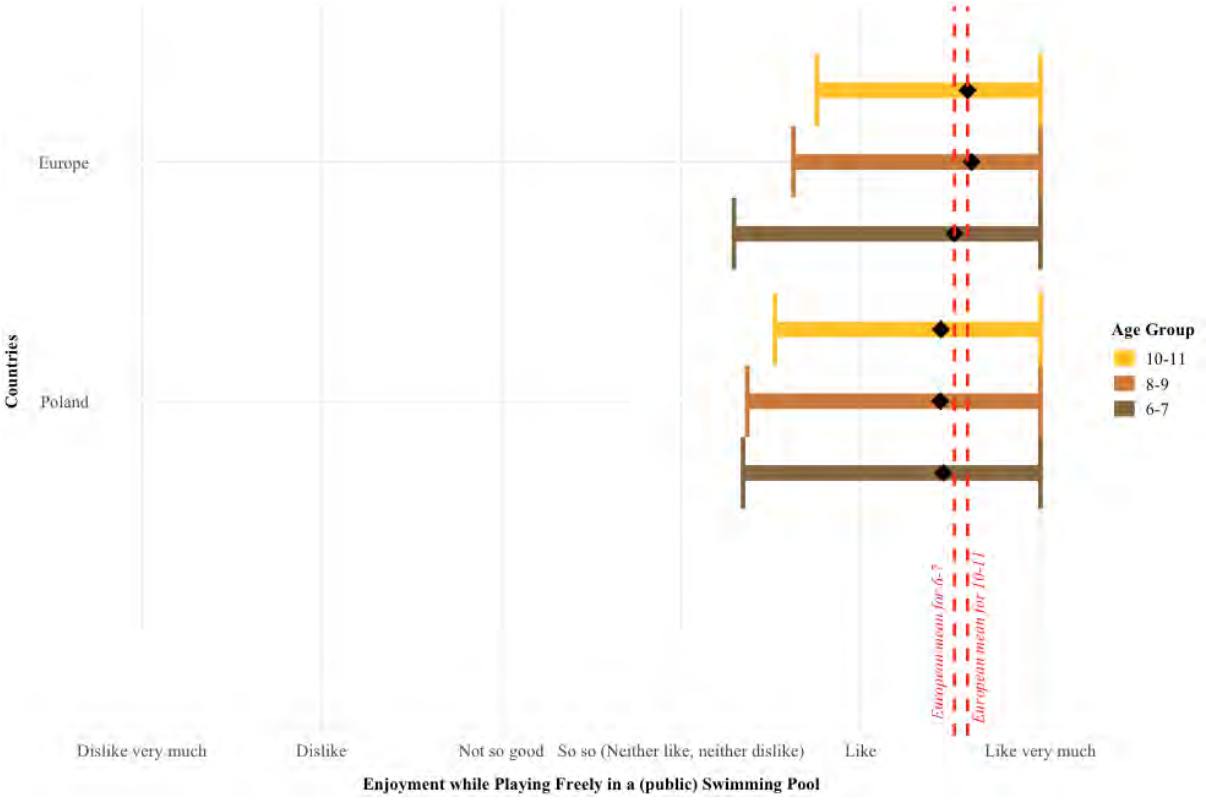


Figure 707. Distribution of the Enjoyment while Playing Freely in the Swimming Pool according to the Age Group in Europe and in Poland (Mean±SD).

Table 1213. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	70	825	0.02 *	0.05 [a]	0.14 [1]
	8-9 yo	52	1,139	0.05	0.04 [a]	0.08 [1]
	10-11 yo	130	759	0.04*	0.05 [a]	0.2 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1214. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	70	52		0.97	0.003 [a]	0.05 [1]
	8-9 yo *vs* 10-11 yo		52	130	0.68	0.03 [a]	0.06 [1]
	6-7 yo *vs* 10-11 yo	70		130	0.58	0.03 [a]	0.07 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

6. Playing in the swimming pool with friends

Overview

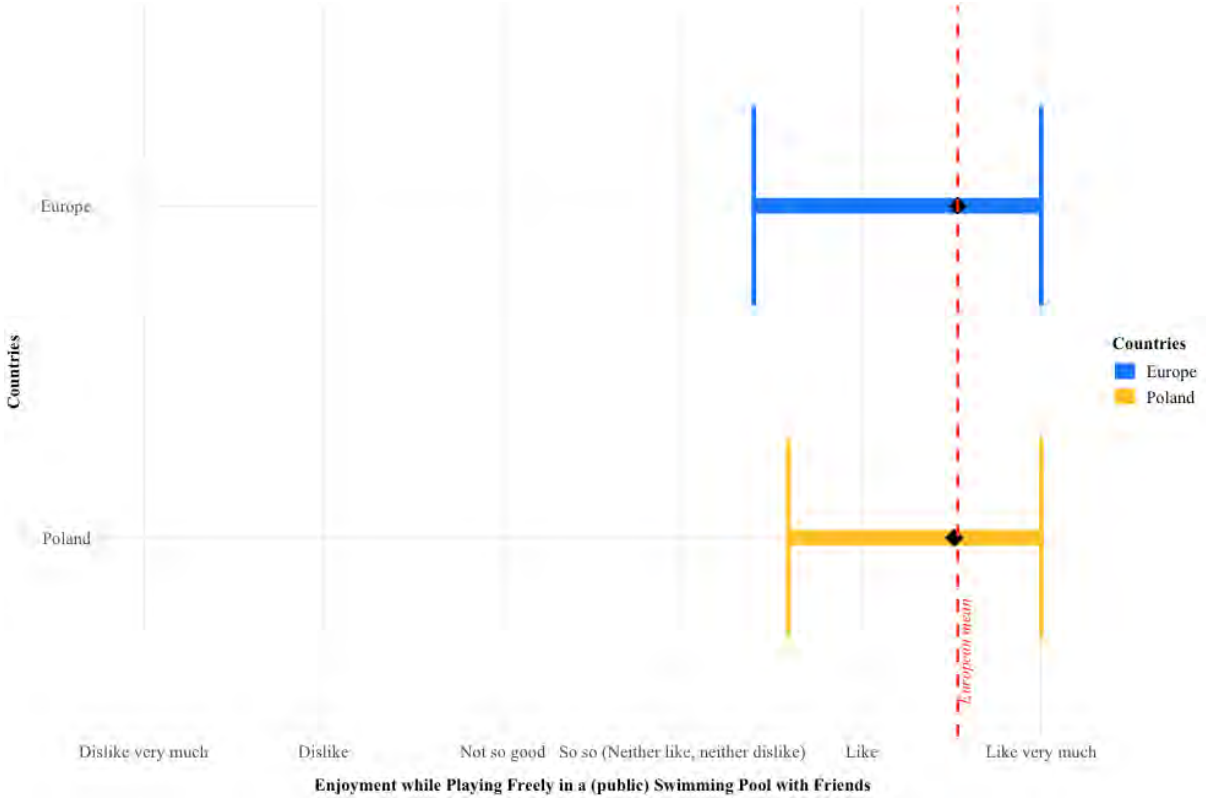


Figure 708. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Europe and in Poland (Mean±SD).

Table 1215. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	252	2,717	5.1^{e-04} ***	0.09 [a]	0.29 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

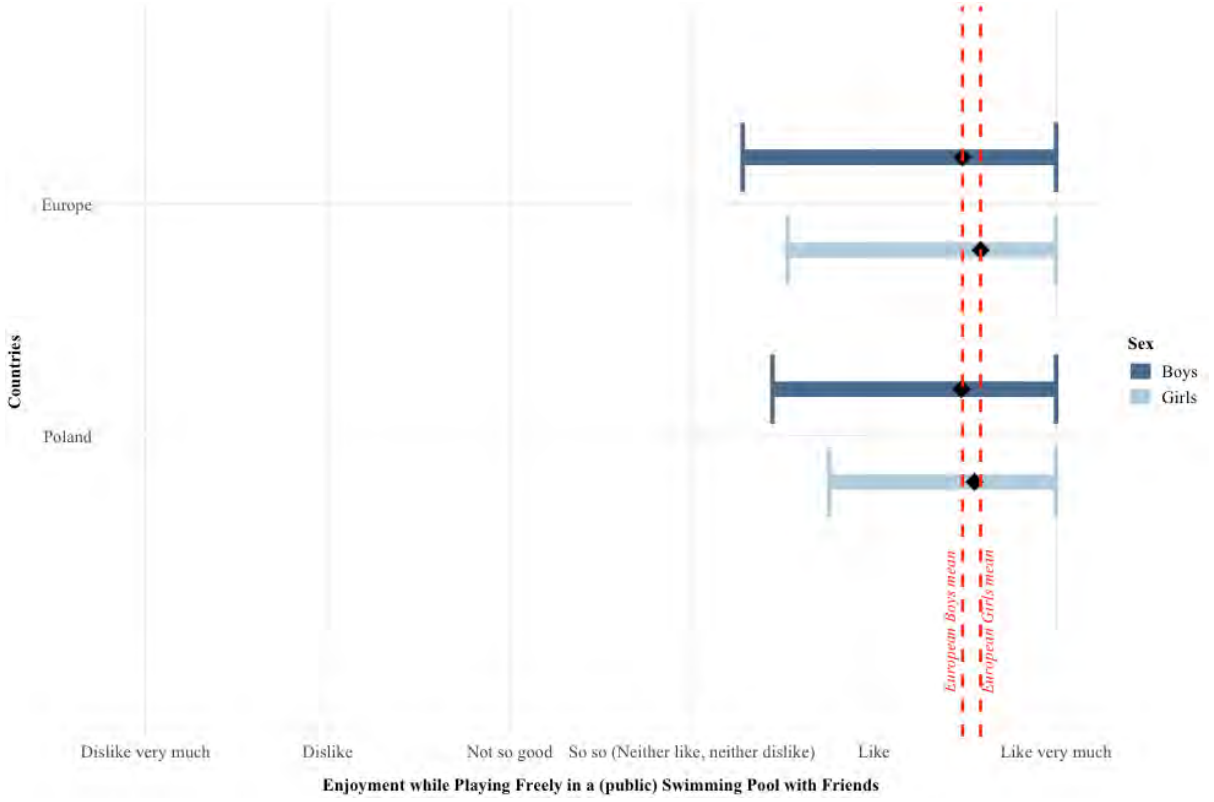


Figure 709. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Friends according to the Sex in Europe and in Poland (Mean±SD).

Table 1216. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* **Europe**	Boys	127	1,360	0.04 *	0.04 [a]	0.13 [1]
	Girls	125	1,357	0.004 **	0.05 [a]	0.21 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1217. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland	Boys *vs* Girls	127	125	0.93	0.005 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

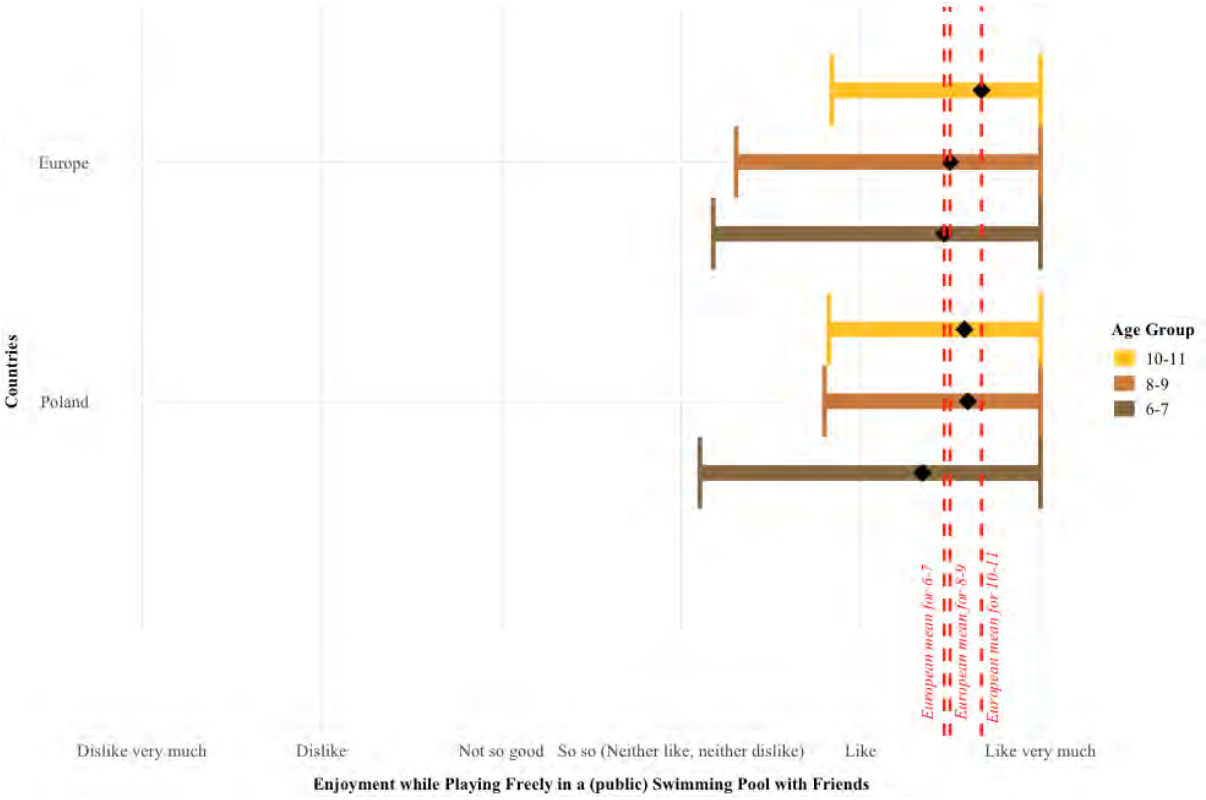


Figure 710. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Friends according to the Age Group in Europe and in Poland (Mean±SD).

Table 1218. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	70	826	0.007 **	0.06 [a]	0.18 [1]
	8-9 yo	52	1,133	0.48	0.01 [a]	0.05 [1]
	10-11 yo	130	758	0.006 **	0.07 [a]	0.29 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1219. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	70	52		0.29	0.08 [a]	0.14 [1]
	8-9 yo *vs* 10-11 yo		52	130	0.67	0.02 [a]	0.06 [1]
	6-7 yo *vs* 10-11 yo	70		130	0.4	0.05 [a]	0.1 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

7. Playing in the swimming pool with family

Overview

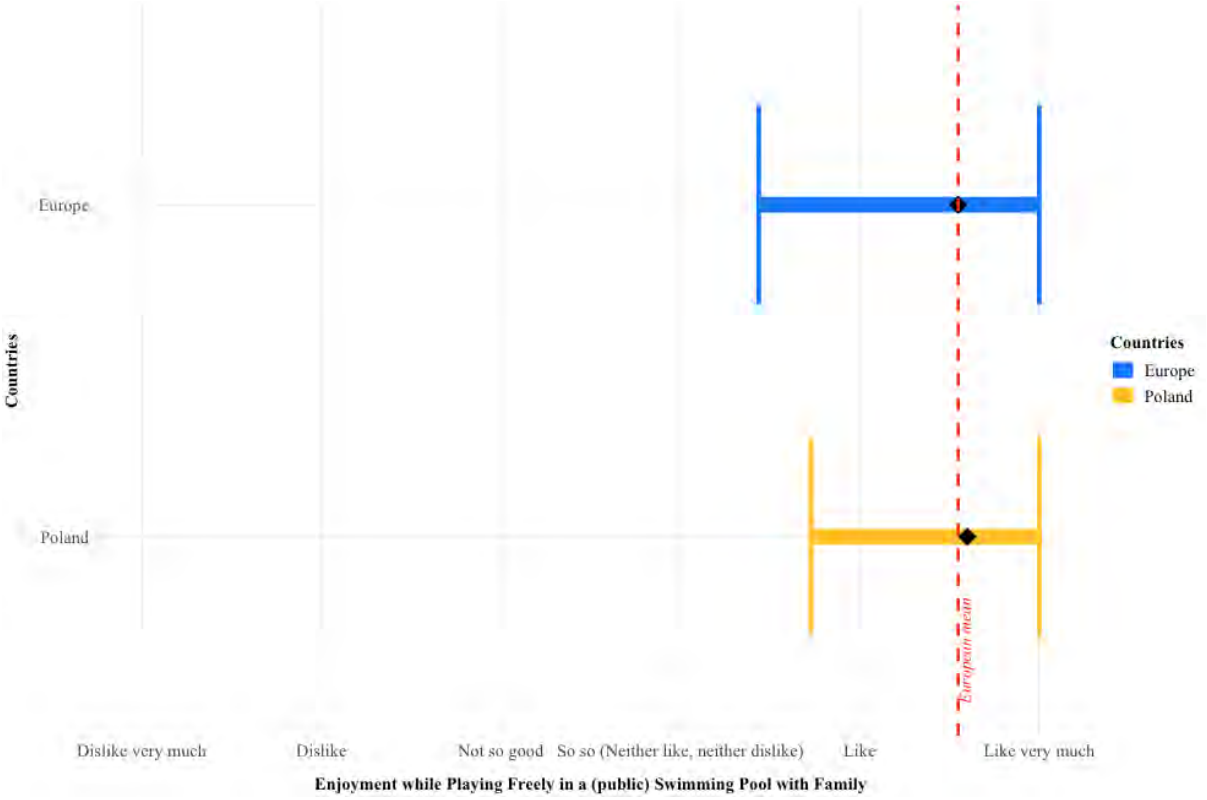


Figure 711. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Family in Europe and in Poland (Mean±SD).

Table 1220. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	252	2,707	0.2	0.03 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

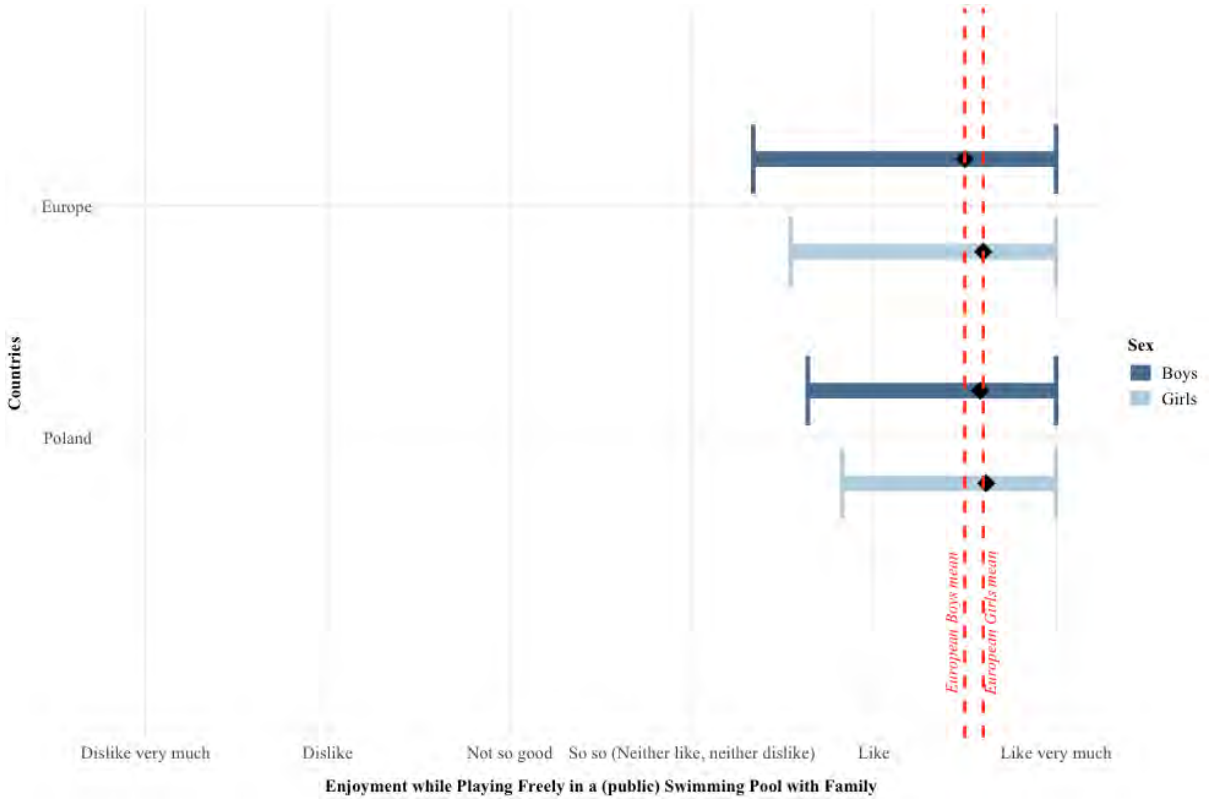


Figure 712. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Family according to the Sex in Europe and in Poland (Mean±SD).

Table 1221. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	Boys	127	1,363	0.88	0.003 [a]	0.05 [1]
	Girls	125	1,344	0.08	0.03 [a]	0.1 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1222. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland	Boys *vs* Girls	127	125	0.8	0.01 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: p-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

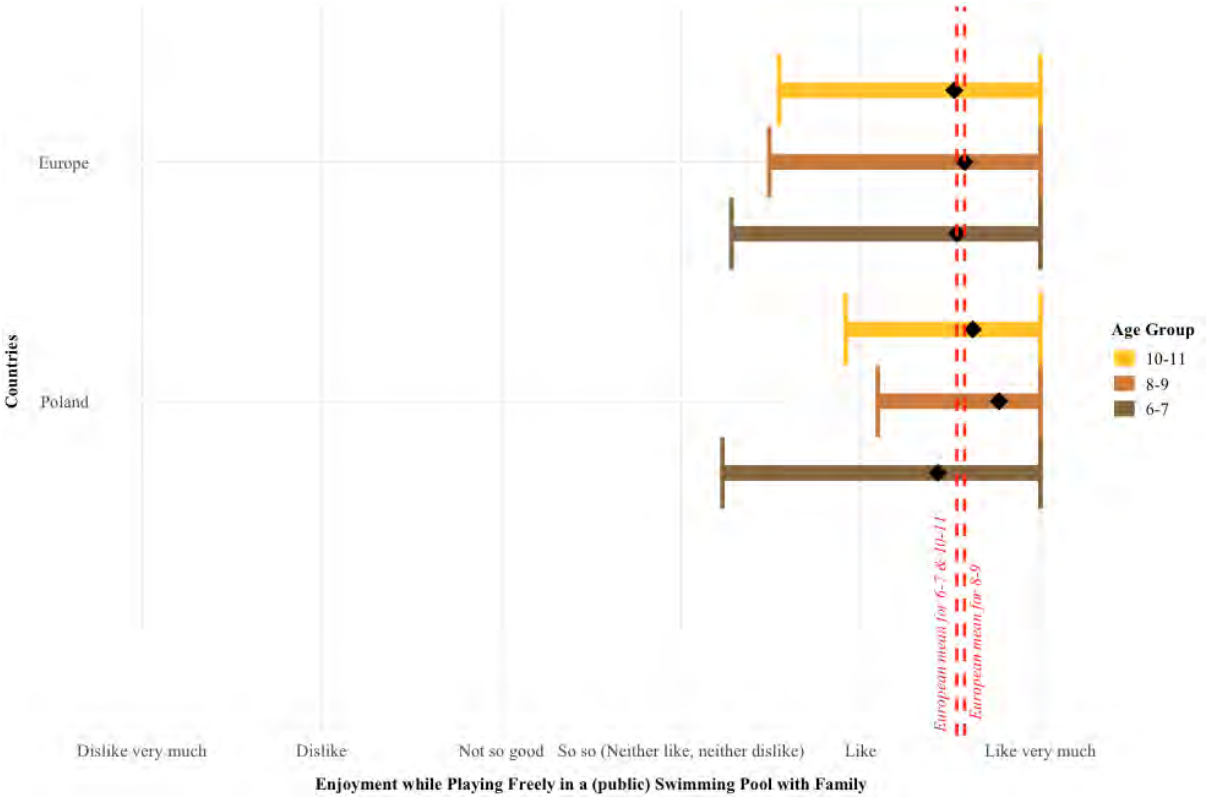


Figure 713. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Family according to the Age Group in Europe and in Poland (Mean±SD).

Table 1223. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	70	823	0.003 **	0.07 [a]	0.19 [1]
	8-9 yo	52	1,129	0.36	0.02 [a]	0.06 [1]
	10-11 yo	130	755	0.49	0.02 [a]	0.07 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: p-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1224. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	70	52		0.03 *	0.15 [a]	0.37 [a]
	8-9 yo *vs* 10-11 yo		52	130	0.1	0.09 [a]	0.2 [1]
	6-7 yo *vs* 10-11 yo	70		130	0.42	0.04 [a]	0.09 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

f. Opportunities

1. Swimming races

Overview

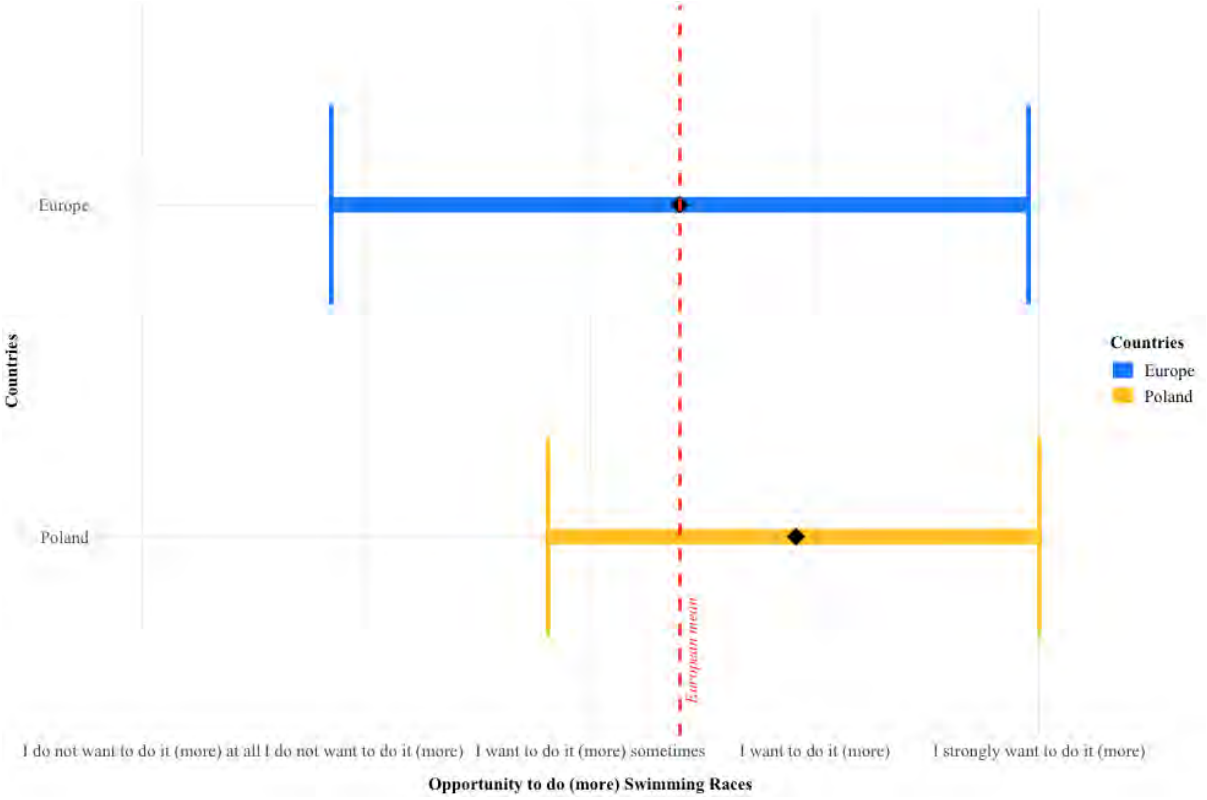


Figure 714. Distribution of the Opportunity to do (more) Swimming Races in Europe and in Poland (Mean±SD).

Table 1225. Comparative Analysis of the Opportunity to do (more) Swimming Races in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	248	2,705	2.82^{e-05} ***	0.15 [a]	0.61 [2]

0.08Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

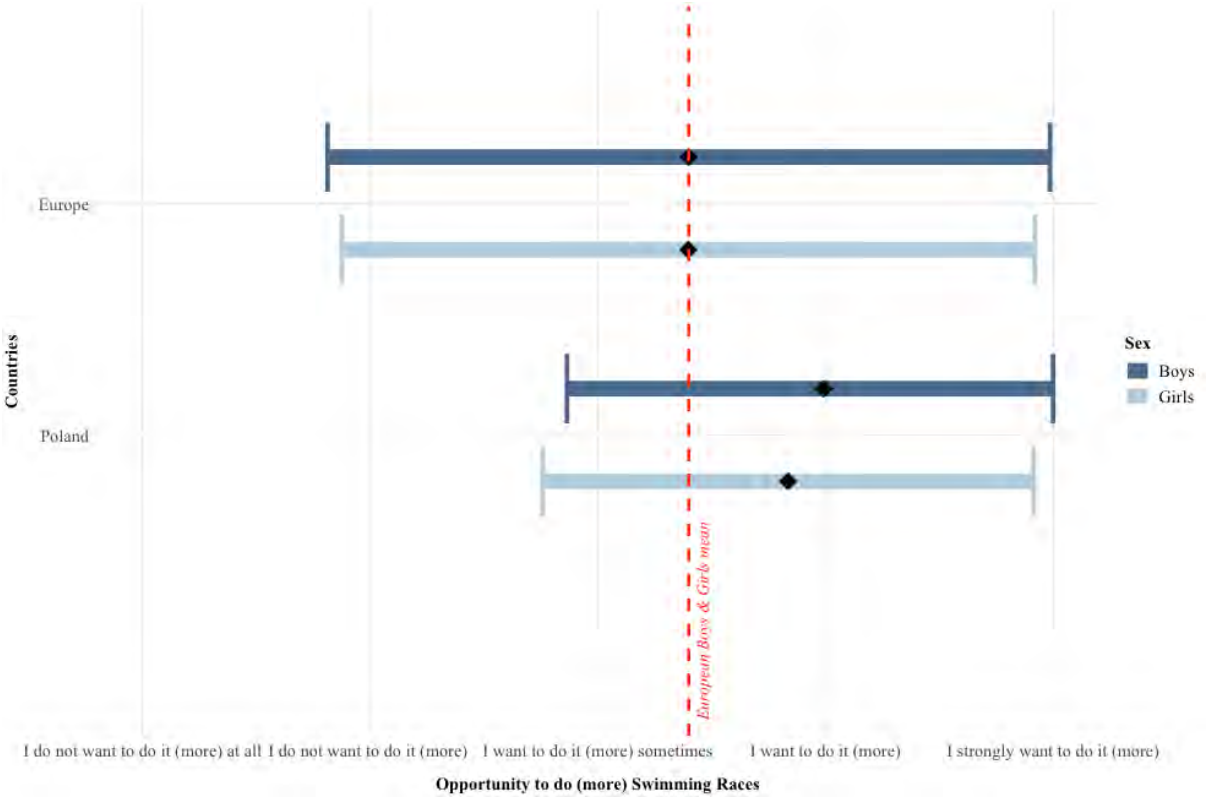


Figure 715. Distribution of the Opportunity to do (more) Swimming Races according to the Sex in Europe and in Poland (Mean±SD).

Table 1226. Comparative Analysis of the Opportunity to do (more) Swimming Races in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	Boys	126	1,349	5.5^{e-04} ***	0.09 [a]	0.46 [1]
	Girls	122	1,356	0.01 *	0.06 [a]	0.25 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1227. Comparative Analysis of the Opportunity to do (more) Swimming Races in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	Boys *vs* Girls	126	122	0.16	0.09 [a]	0.27 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

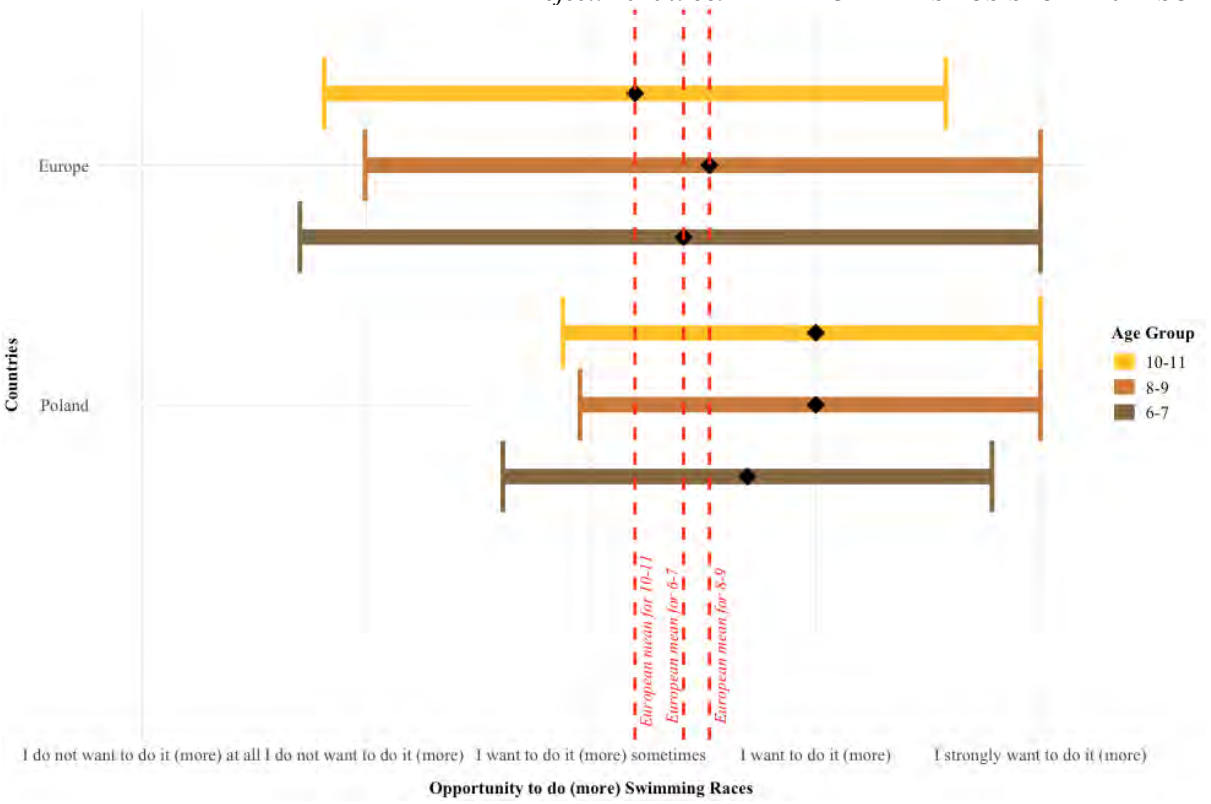


Figure 716. Distribution of the Opportunity to do (more) Swimming Races according to the Age Group in Europe and in Poland (Mean±SD).

Table 1228. Comparative Analysis of the Opportunity to do (more) Swimming Races in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	69	810	0.88	0.005 [a]	0.05 [1]
	8-9 yo	50	1,132	0.11	0.04 [a]	0.09 [1]
	10-11 yo	129	763	6.69^{e-10} ***	0.2 [b]	0.99 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1229. Comparative Analysis of the Opportunity to do (more) Swimming Races in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	69	50		0.11	0.14 [a]	0.33 [1]
	8-9 yo *vs* 10-11 yo		50	129	0.84	0.01 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	69		129	0.03 *	0.14 [a]	0.48 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

2. Water Polo

Overview

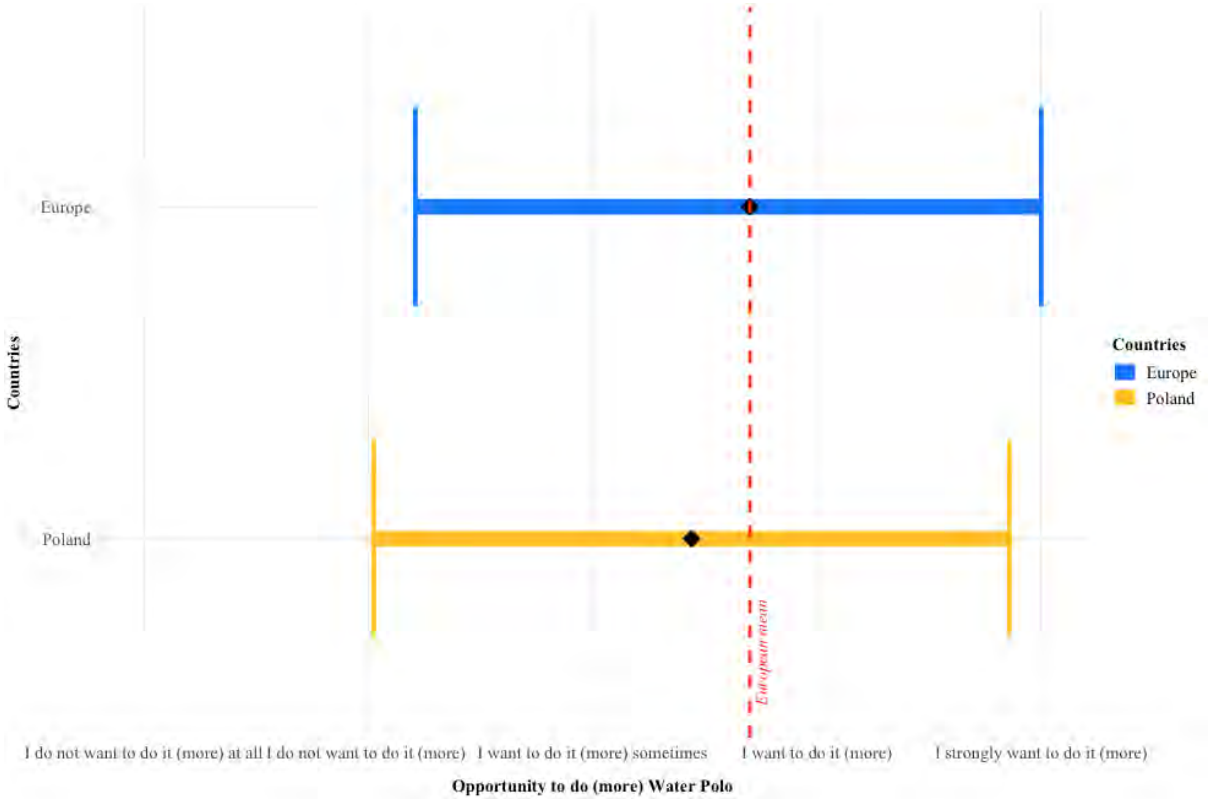


Figure 717. Distribution of the Opportunity to do (more) Water Polo in Europe and in Poland (Mean±SD).

Table 1230. Comparative Analysis of the Opportunity to do (more) Water Polo in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	249	2,692	0.06	0.12 [a]	0.44 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

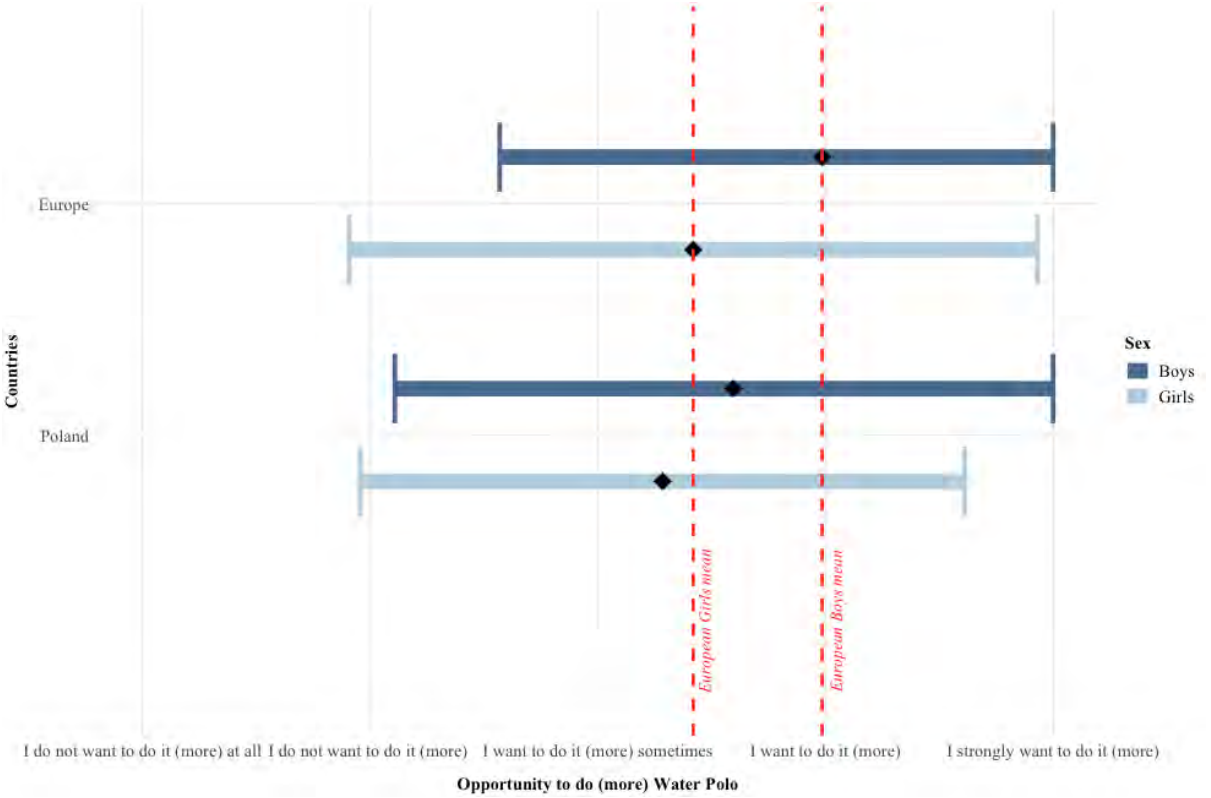


Figure 718. Distribution of the Opportunity to do (more) Water Polo according to the Sex in Europe and in Poland (Mean±SD).

Table 1231. Comparative Analysis of the Opportunity to do (more) Water Polo in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	Boys	126	1,344	7.3^{e-04} ***	0.08 [a]	0.4 [1]
	Girls	123	1,348	0.14	0.04 [a]	0.12 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1232. Comparative Analysis of the Opportunity to do (more) Water Polo in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland	Boys *vs* Girls	126	123	0.03 *	0.13 [a]	0.55 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

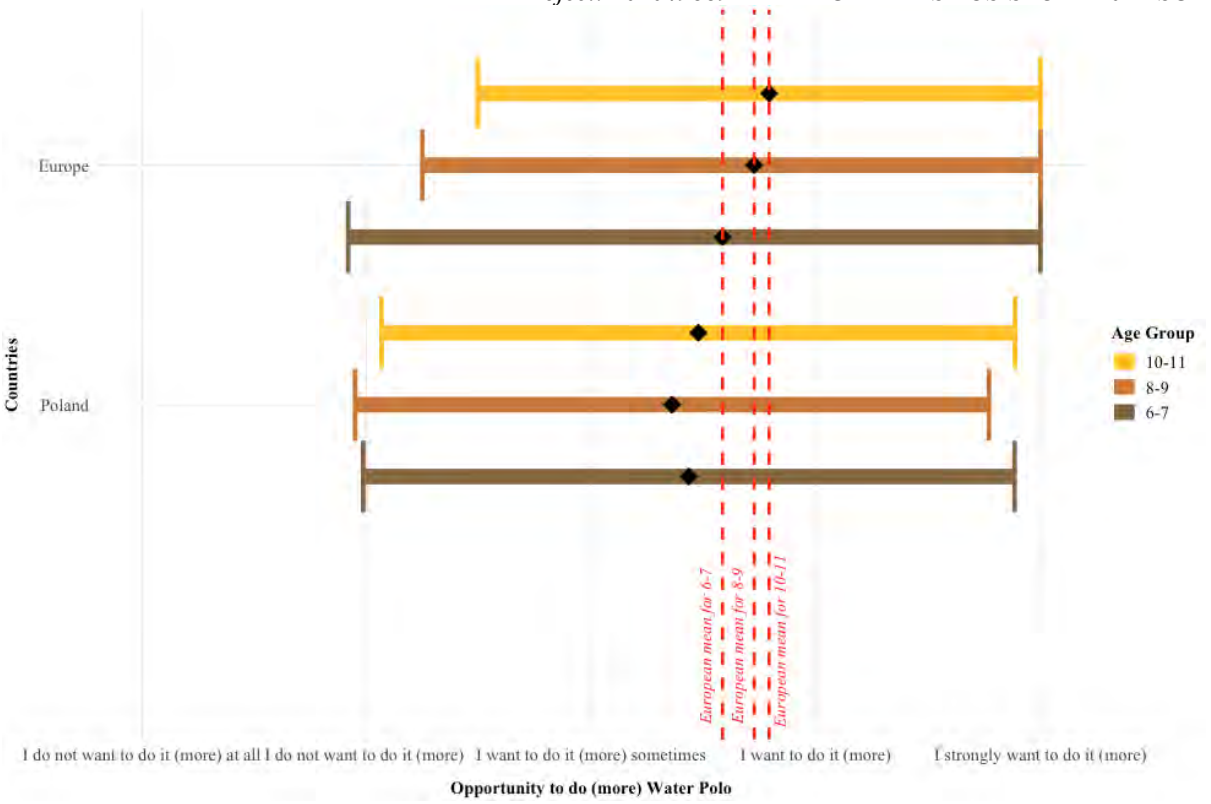


Figure 719. Distribution of the Opportunity to do (more) Water Polo according to the Age Group in Europe and in Poland (Mean±SD).

Table 1233. Comparative Analysis of the Opportunity to do (more) Water Polo in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	69	811	0.15	0.04 [a]	0.11 [1]
	8-9 yo	50	1,121	0.03 *	0.06 [a]	0.13 [1]
	10-11 yo	130	760	0.02 *	0.08 [a]	0.36 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1234. Comparative Analysis of the Opportunity to do (more) Water Polo in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	69	50		0.7	0.03 [a]	0.06 [1]
	8-9 yo *vs* 10-11 yo		50	130	0.59	0.04 [a]	0.07 [1]
	6-7 yo *vs* 10-11 yo	69		130	0.87	0.01 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

3. Artistic Swimming

Overview

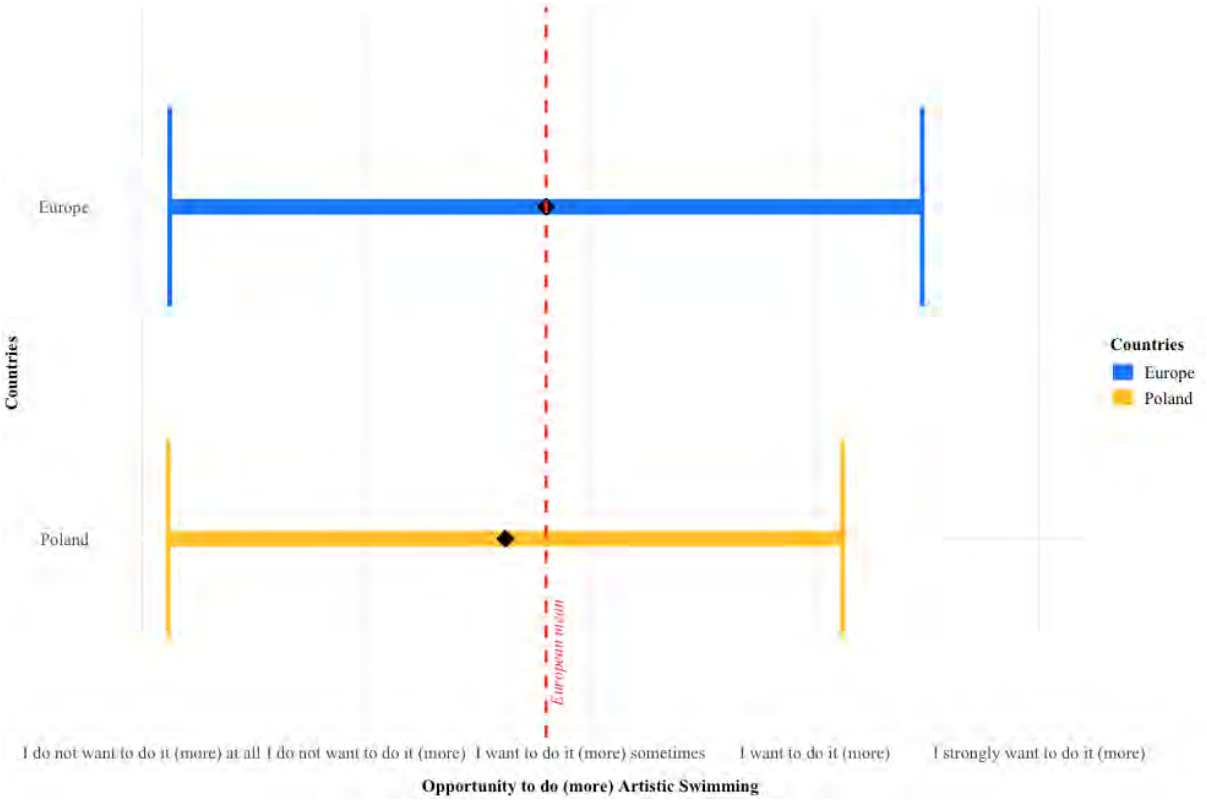


Figure 720. Distribution of the Opportunity to do (more) Artistic Swimming in Europe and in Poland (Mean±SD).

Table 1235. Comparative Analysis of the Opportunity to do (more) Artistic Swimming at School in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	248	2,675	0.19	0.05 [a]	0.11 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

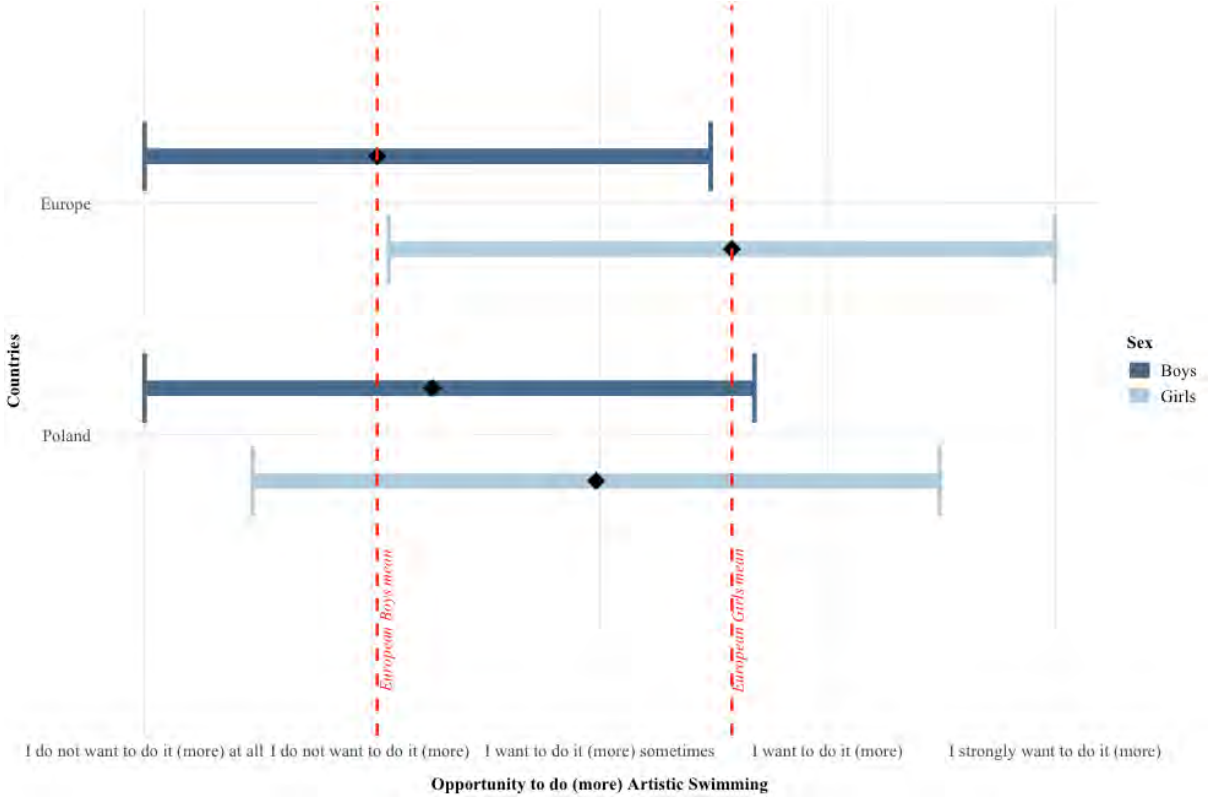


Figure 721. Distribution of the Opportunity to do (more) Artistic Swimming according to the Sex in Europe and in Poland (Mean±SD).

Table 1236. Comparative Analysis of the Opportunity to do (more) Artistic Swimming in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	Boys	125	1,337	0.01 *	0.06 [a]	0.23 [1]
	Girls	123	1,338	3.13^{e-05} ***	0.1 [a]	0.6 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1237. Comparative Analysis of the Opportunity to do (more) Artistic Swimming in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	Boys *vs* Girls	125	123	9.02^{e-05} ***	0.24 [b]	0.97 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

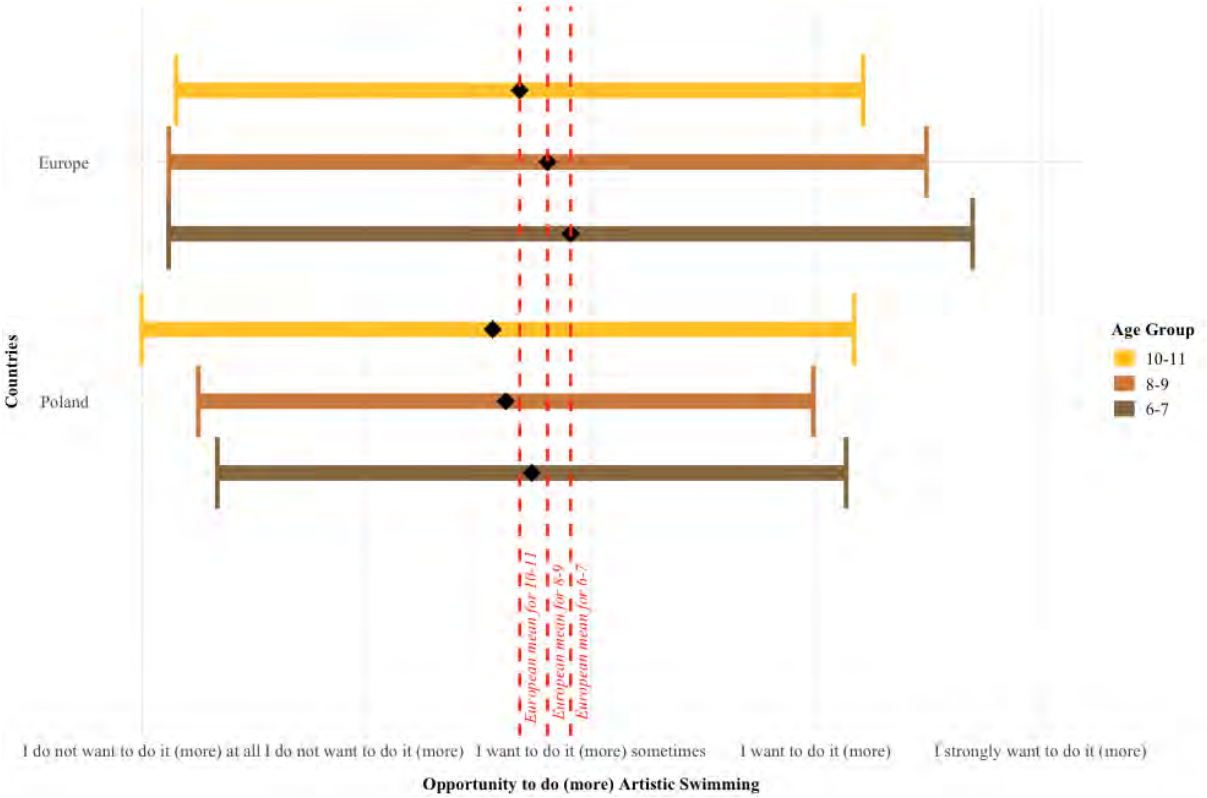


Figure 722. Distribution of the Opportunity to do (more) Artistic Swimming according to the Age Group in Europe and in Poland (Mean±SD).

Table 1238. Comparative Analysis of the Opportunity to do (more) Artistic Swimming in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	68	796	0.56	0.02 [a]	0.06 [1]
	8-9 yo	50	1,128	0.54	0.02 [a]	0.06 [1]
	10-11 yo	130	751	0.38	0.03 [a]	0.09 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1239. Comparative Analysis of the Opportunity to do (more) Artistic Swimming in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	68	50		0.65	0.04 [a]	0.07 [1]
	8-9 yo *vs* 10-11 yo		50	130	0.62	0.04 [a]	0.07 [1]
	6-7 yo *vs* 10-11 yo	68		130	0.29	0.07 [a]	0.16 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

4. Diving

Overview

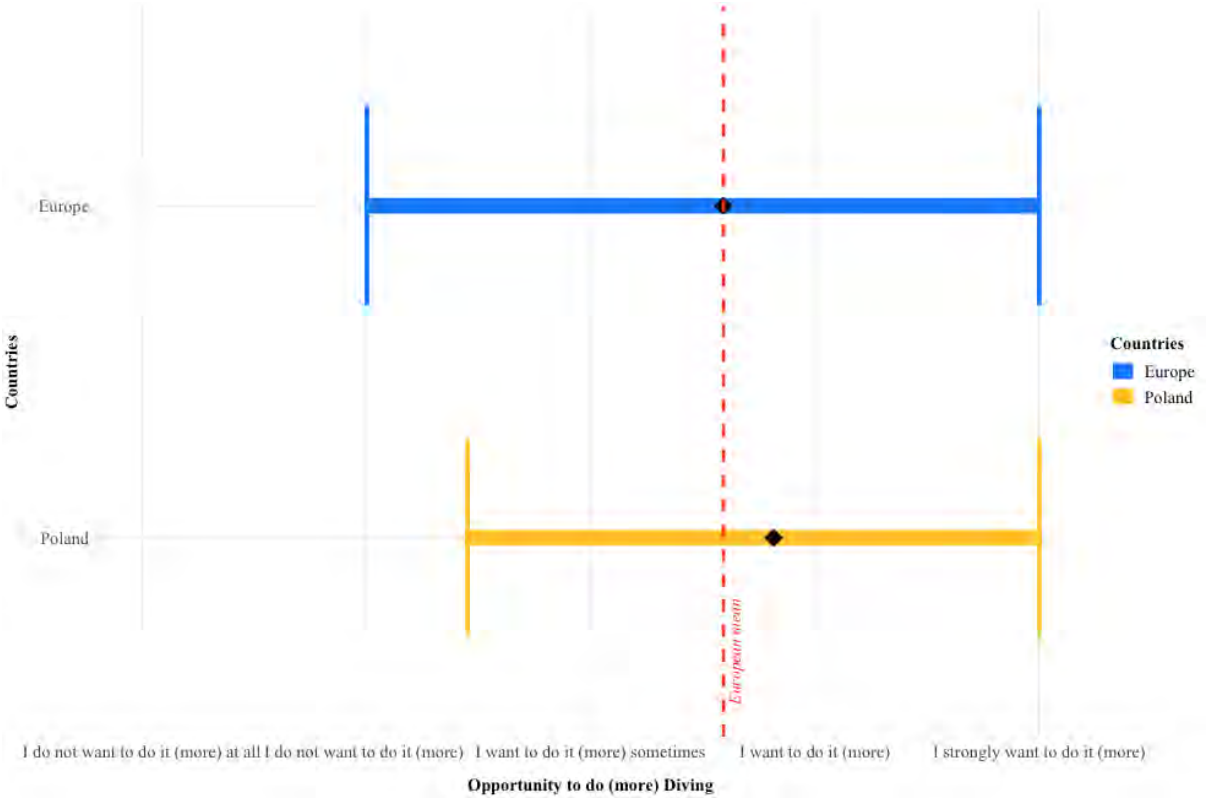


Figure 723. Distribution of the Opportunity to do (more) Diving in Europe and in Poland (Mean±SD).

Table 1240. Comparative Analysis of the Opportunity to do (more) Diving at School in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	250	2,670	0.17	0.05 [a]	0.11 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

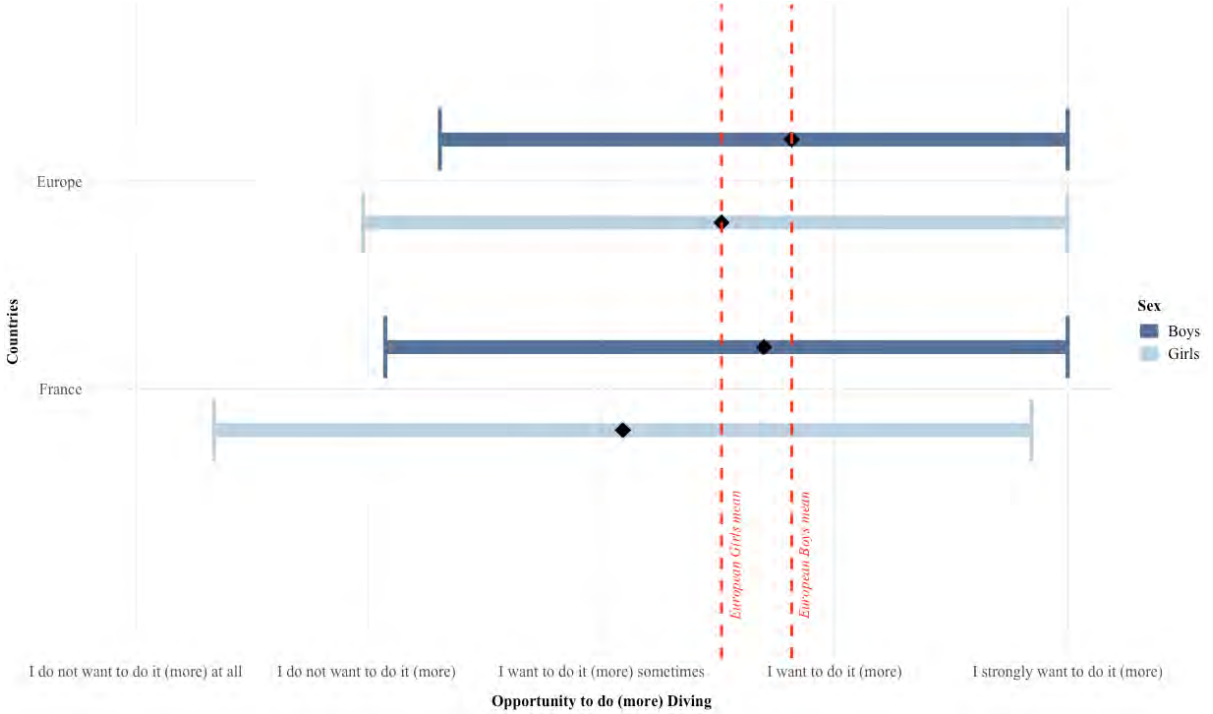


Figure 724. Distribution of the Opportunity to do (more) Diving according to the Sex in Europe and in Poland (Mean±SD).

Table 1241. Comparative Analysis of the Opportunity to do (more) Diving in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	Boys	126	1,336	0.8	0.006 [a]	0.05 [1]
	Girls	124	1,334	0.03 *	0.05 [a]	0.21 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1242. Comparative Analysis of the Opportunity to do (more) Diving in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	Boys *vs* Girls	126	124	0.56	0.03 [a]	0.09 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

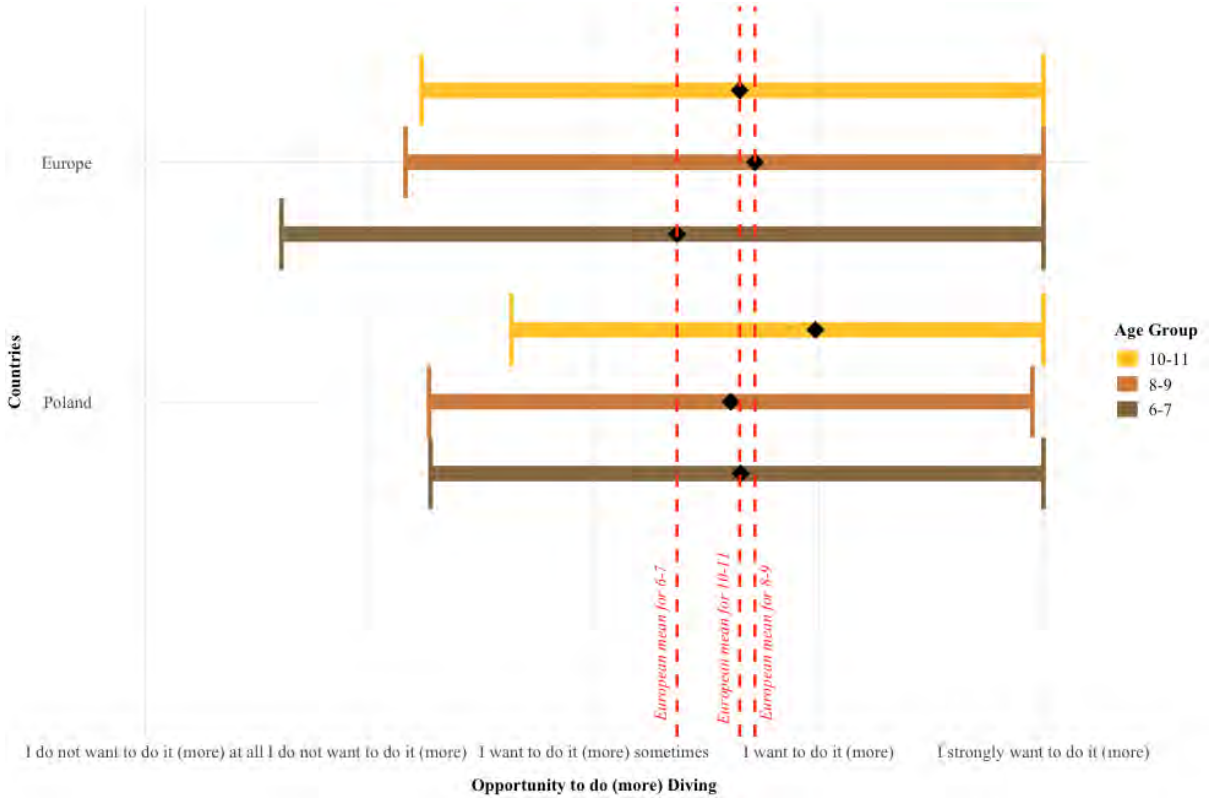


Figure 725. Distribution of the Opportunity to do (more) Diving according to the Age Group in Europe and in Poland (Mean±SD).

Table 1243. Comparative Analysis of the Opportunity to do (more) Diving in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	69	797	0.53	0.02 [a]	0.06 [1]
	8-9 yo	51	1,124	0.31	0.03 [a]	0.07 [1]
	10-11 yo	130	749	0.006 **	0.09 [a]	0.46 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1244. Comparative Analysis of the Opportunity to do (more) Diving in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	69	51		0.82	0.02 [a]	0.05 [1]
	8-9 yo *vs* 10-11 yo		51	130	0.05	0.14 [a]	0.38 [1]
	6-7 yo *vs* 10-11 yo	69		130	0.05	0.13 [a]	0.41 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

5. Water sport 1

Overview

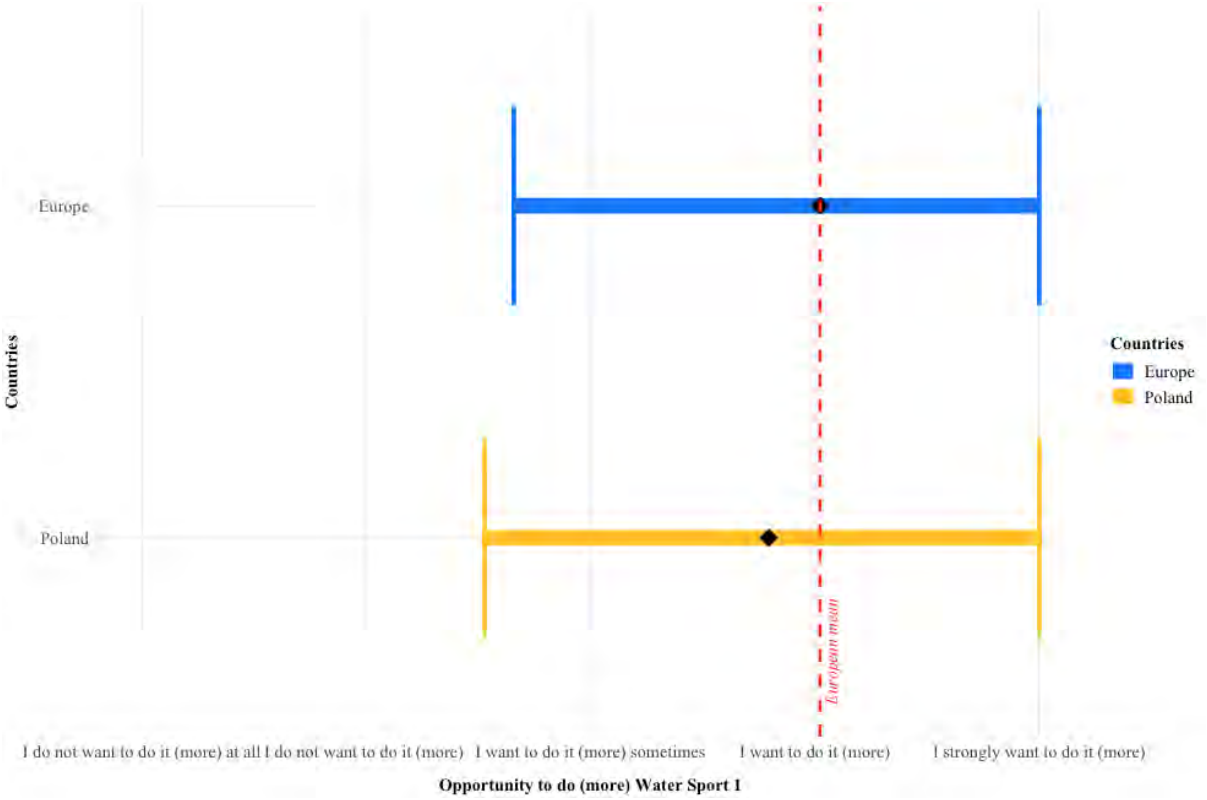


Figure 726. Distribution of the Opportunity to do (more) Water Sport 1in Europe and in Poland (Mean±SD).

Table 1245. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	243	2,679	2.03^{e-5} ***	0.14 [a]	0.57 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

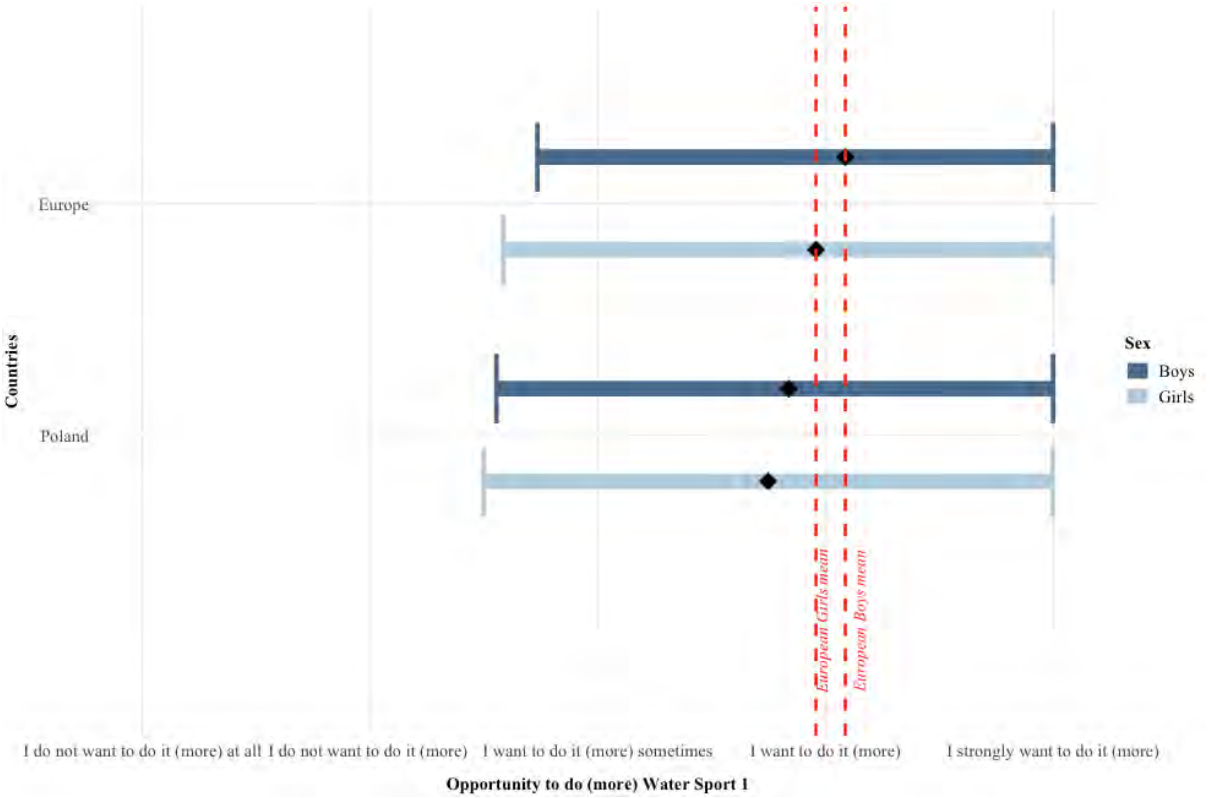


Figure 727. Distribution of the Opportunity to do (more) Water Sport 1according to the Sex in Europe and in Poland (Mean±SD).

Table 1246. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	Boys	124	1,342	5.9^{e-04} ***	0.08 [a]	0.4 [1]
	Girls	119	1,337	0.008 **	0.06 [a]	0.27 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1247. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	Boys *vs* Girls	124	119	0.48	0.04 [a]	0.1 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

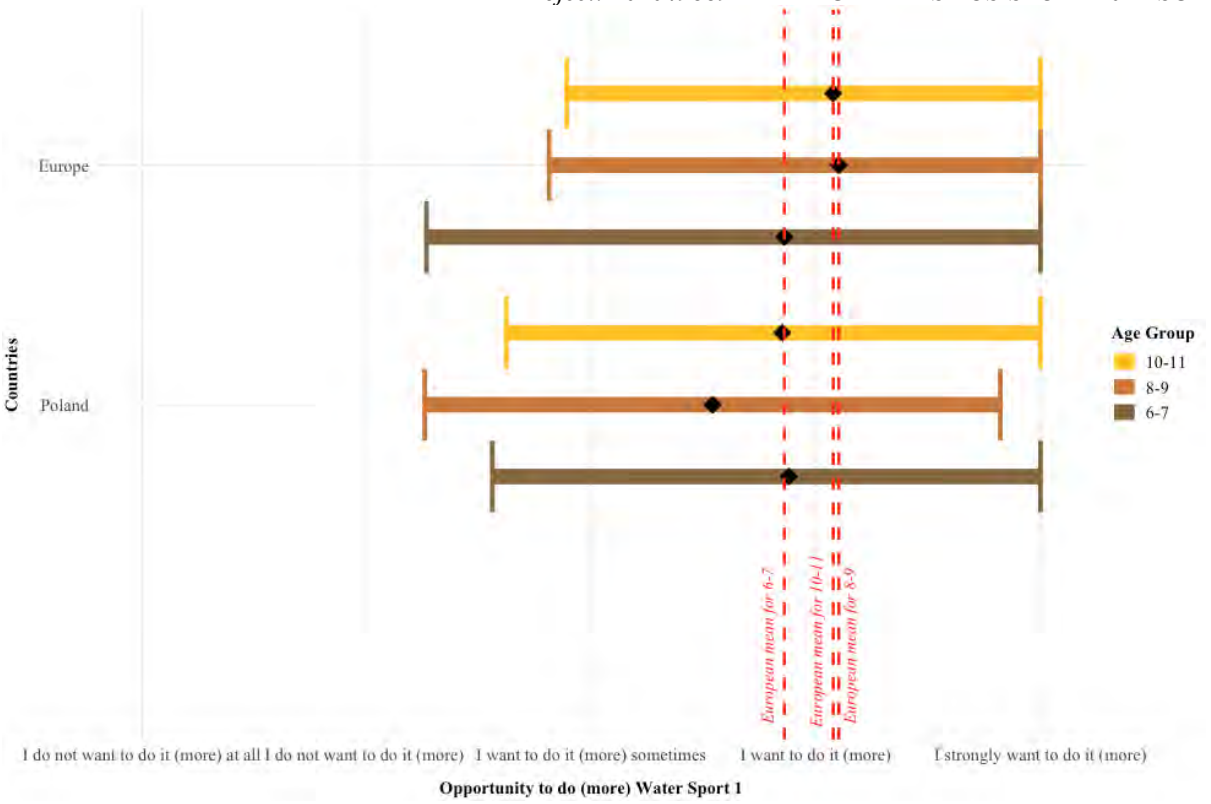


Figure 728. Distribution of the Opportunity to do (more) Water Sport 1according to the Age Group in Europe and in Poland (Mean±SD).

Table 1248. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	66	800	0.17	0.04 [a]	0.1 [1]
	8-9 yo	50	1,1236	1.3^{e-04} ***	0.1 [a]	0.3 [1]
	10-11 yo	127	753	0.02 *	0.07 [a]	0.32 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1249. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	66	50		0.08	0.15 [a]	0.37 [1]
	8-9 yo *vs* 10-11 yo		50	127	0.11	0.11 [a]	0.28 [1]
	6-7 yo *vs* 10-11 yo	66		127	0.7	0.02 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

6. Water sport 2

Overview

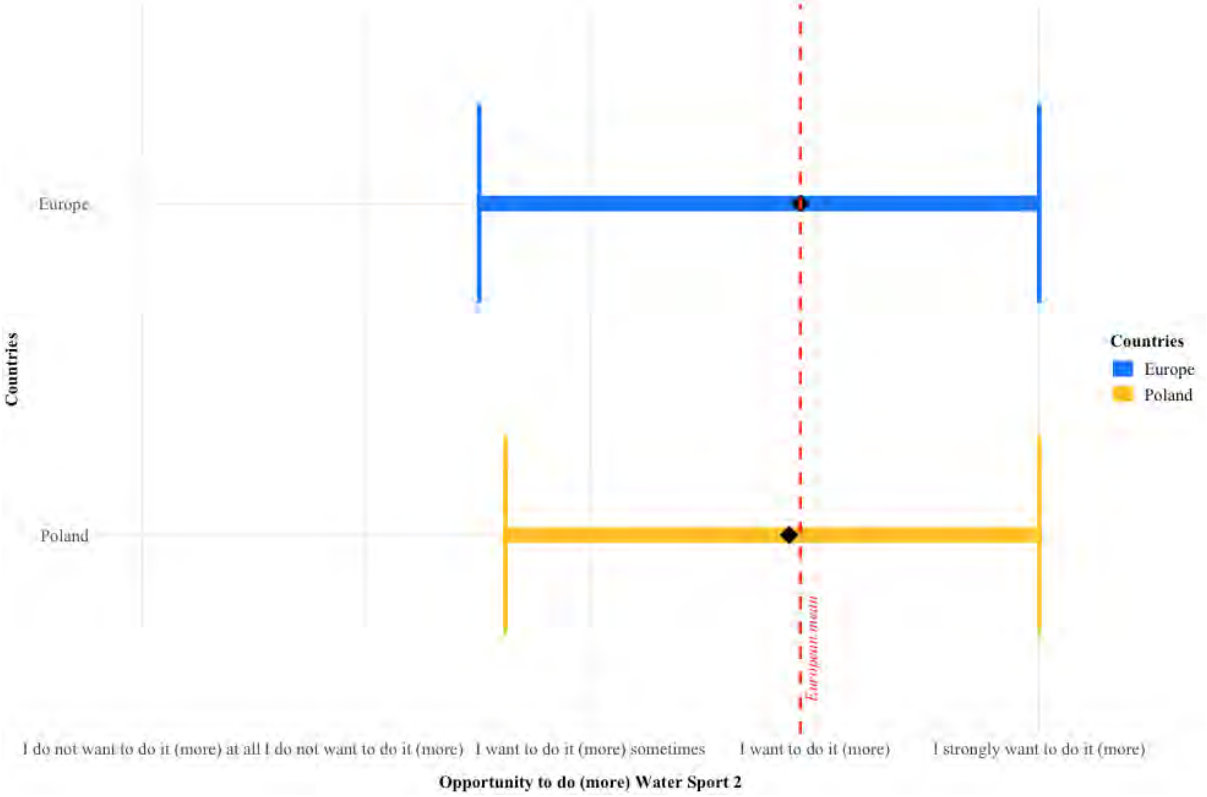


Figure 729. Distribution of the Opportunity to do (more) Water Sport 2 in Europe and in Poland (Mean±SD).

Table 1250. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	243	2,677	0.03 *	0.07 [a]	0.19 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

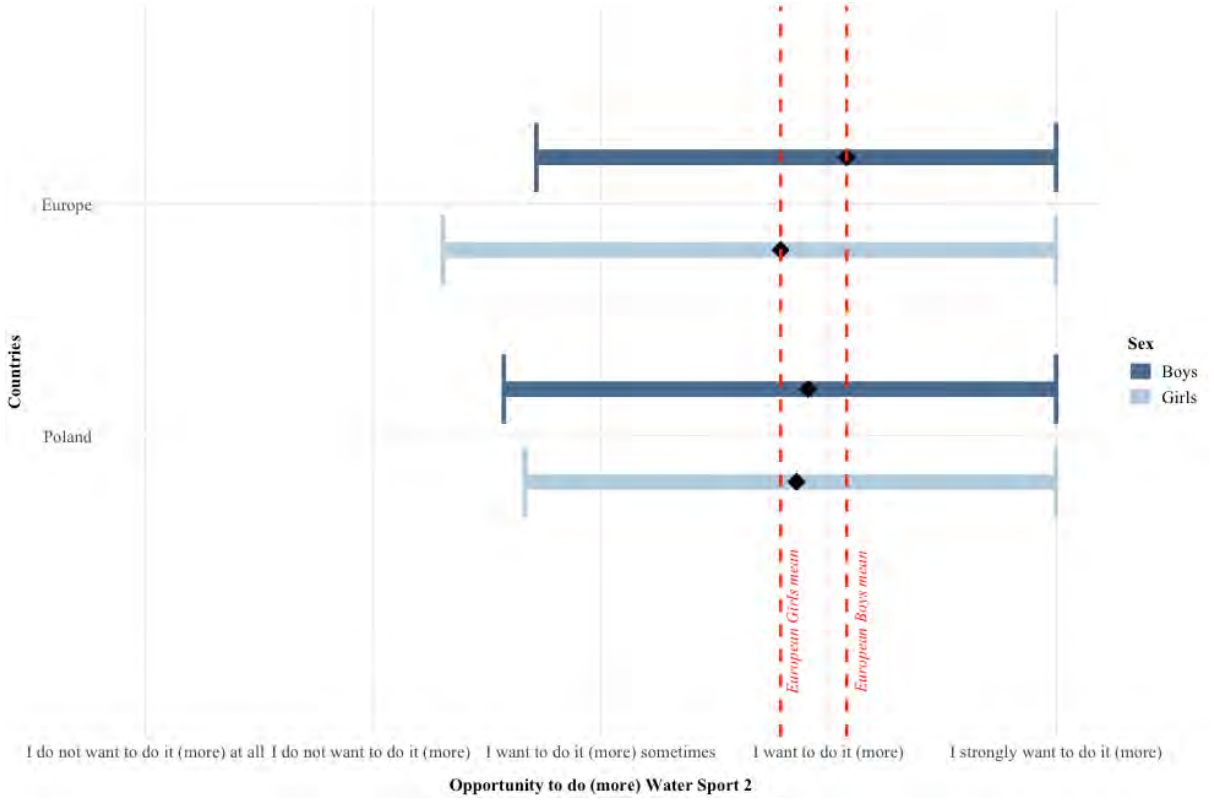


Figure 730. Distribution of the Opportunity to do (more) Water Sport 2 according to the Sex in Europe and in Poland (Mean±SD).

Table 1251. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	Boys	122	1,339	0.02 *	0.05 [a]	0.21 [1]
	Girls	121	1,338	0.46	0.02 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1252. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	Boys *vs* Girls	122	121	0.37	0.05 [a]	0.13 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

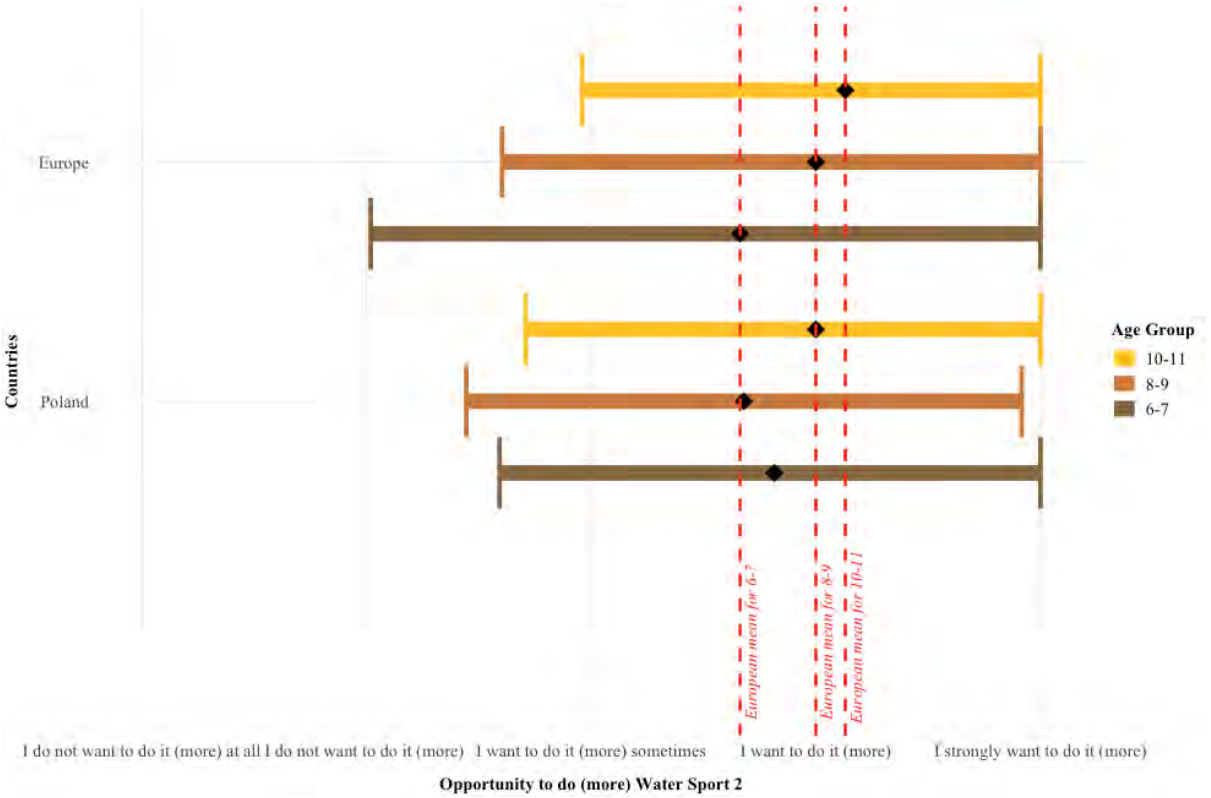


Figure 731. Distribution of the Opportunity to do (more) Water Sport 2 according to the Age Group in Europe and in Poland (Mean±SD).

Table 1253. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	65	806	0.58	0.02 [a]	0.06 [1]
	8-9 yo	50	1,124	0.006 **	0.07 [a]	0.17 [1]
	10-11 yo	128	747	0.36	0.03 [a]	0.09 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1254. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	65	50		0.51	0.06 [a]	0.01 [1]
	8-9 yo *vs* 10-11 yo		50	128	0.04 *	0.14 [a]	0.41 [1]
	6-7 yo *vs* 10-11 yo	65		128	0.14	0.1 [a]	0.26 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

7. Water sport 3

Overview

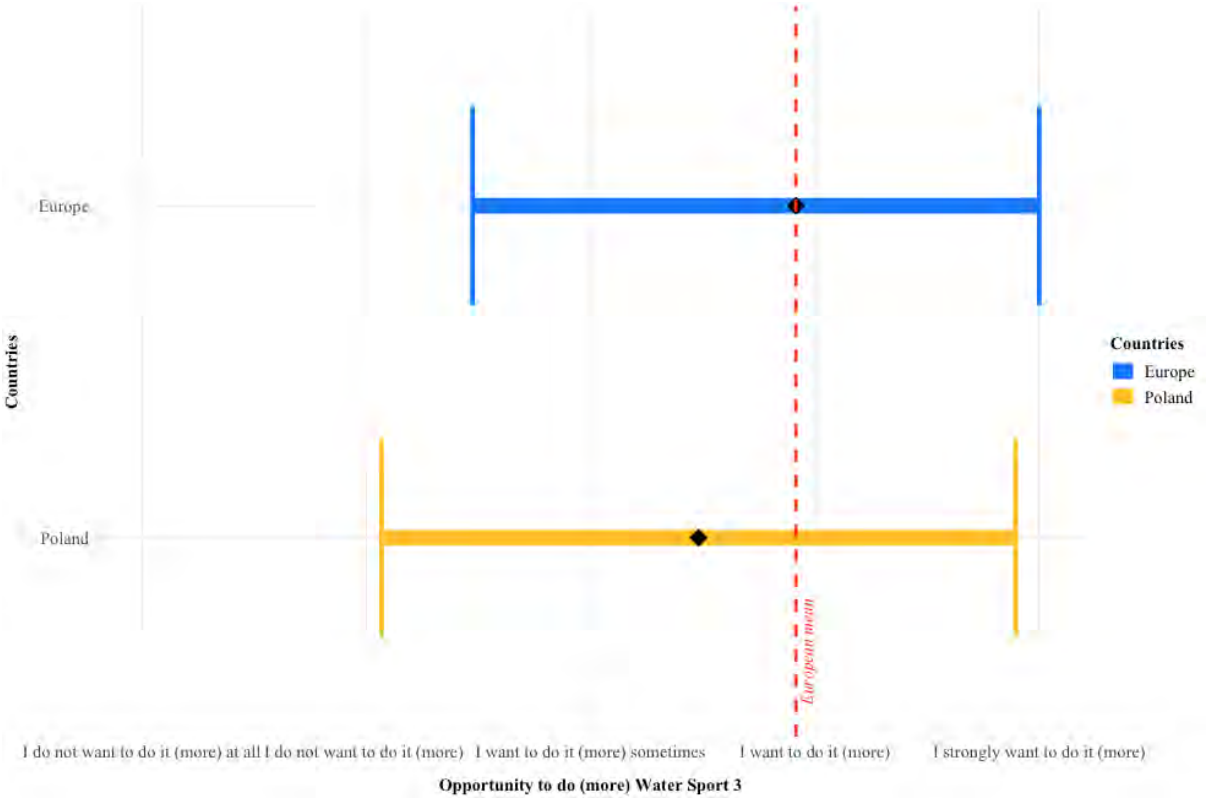


Figure 732. Distribution of the Opportunity to do (more) Water Sport 3 in Europe and in Poland (Mean±SD).

Table 1255. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* **Europe**	245	2,671	8.36^{e-09} ***	0.2 [b]	0.84 [3]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

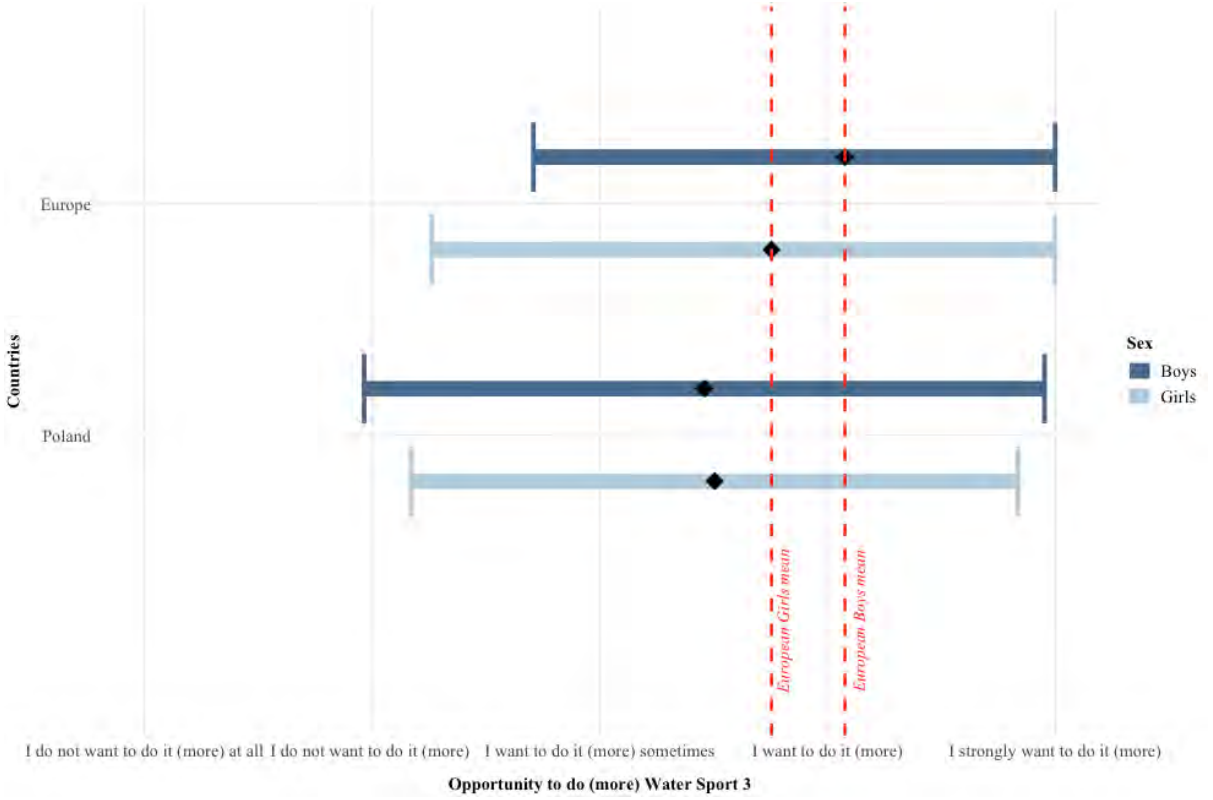


Figure 733. Distribution of the Opportunity to do (more) Water Sport 3 according to the Sex in Europe and in Poland (Mean±SD).

Table 1256. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	Boys	122	1,334	1.22^{e-07} ***	0.12 [a]	0.75 [2]
	Girls	123	1,337	0.005 **	0.07 [a]	0.31 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1257. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland	Boys *vs* Girls	122	123	0.92	0.006 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

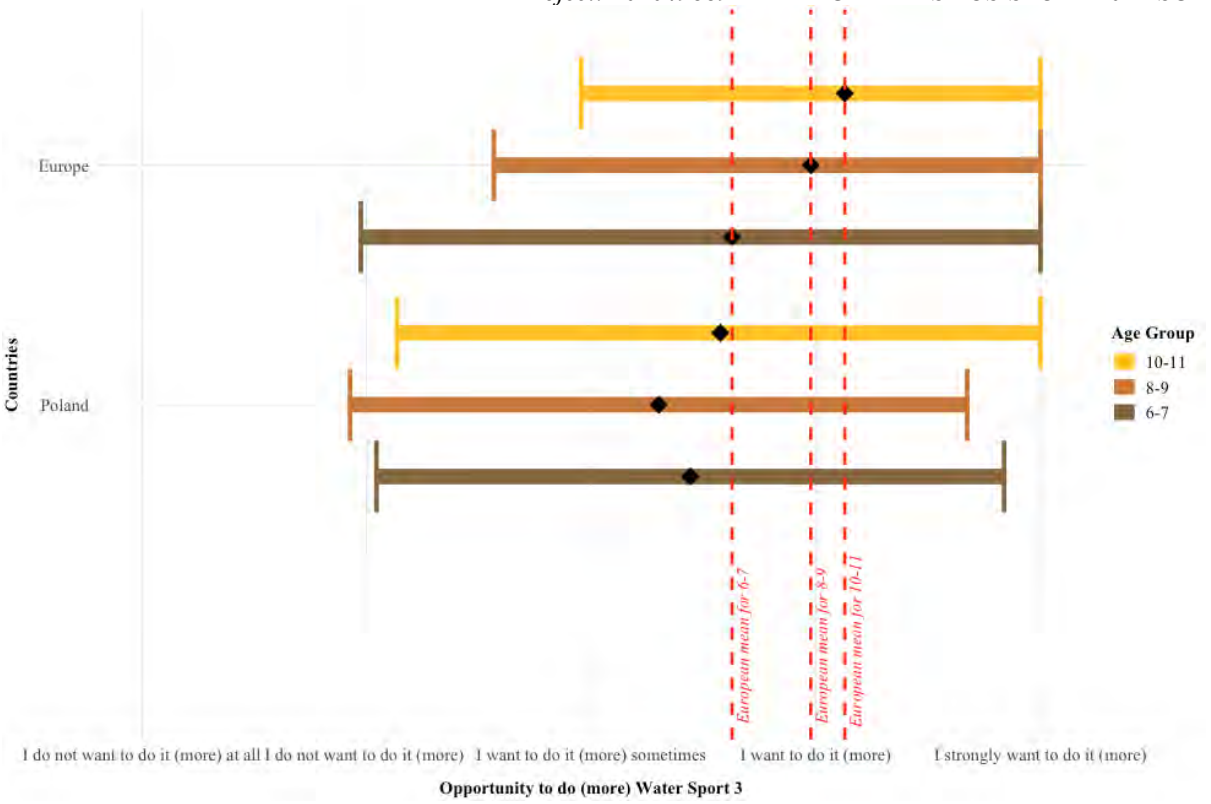


Figure 734. Distribution of the Opportunity to do (more) Water Sport 3 according to the Age Group in Europe and in Poland (Mean±SD).

Table 1258. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	68	801	0.06	0.06 [a]	0.16 [1]
	8-9 yo	50	1,116	6.03^{e-05} ***	0.11 [a]	0.32 [1]
	10-11 yo	127	754	1.44^{e-05} ***	0.13 [a]	0.81 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1259. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	68	50		0.51	0.06 [a]	0.09 [1]
	8-9 yo *vs* 10-11 yo		50	127	0.17	0.1 [a]	0.22 [1]
	6-7 yo *vs* 10-11 yo	68		127	0.42	0.06 [a]	0.11 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

8. Water sport 4

Overview

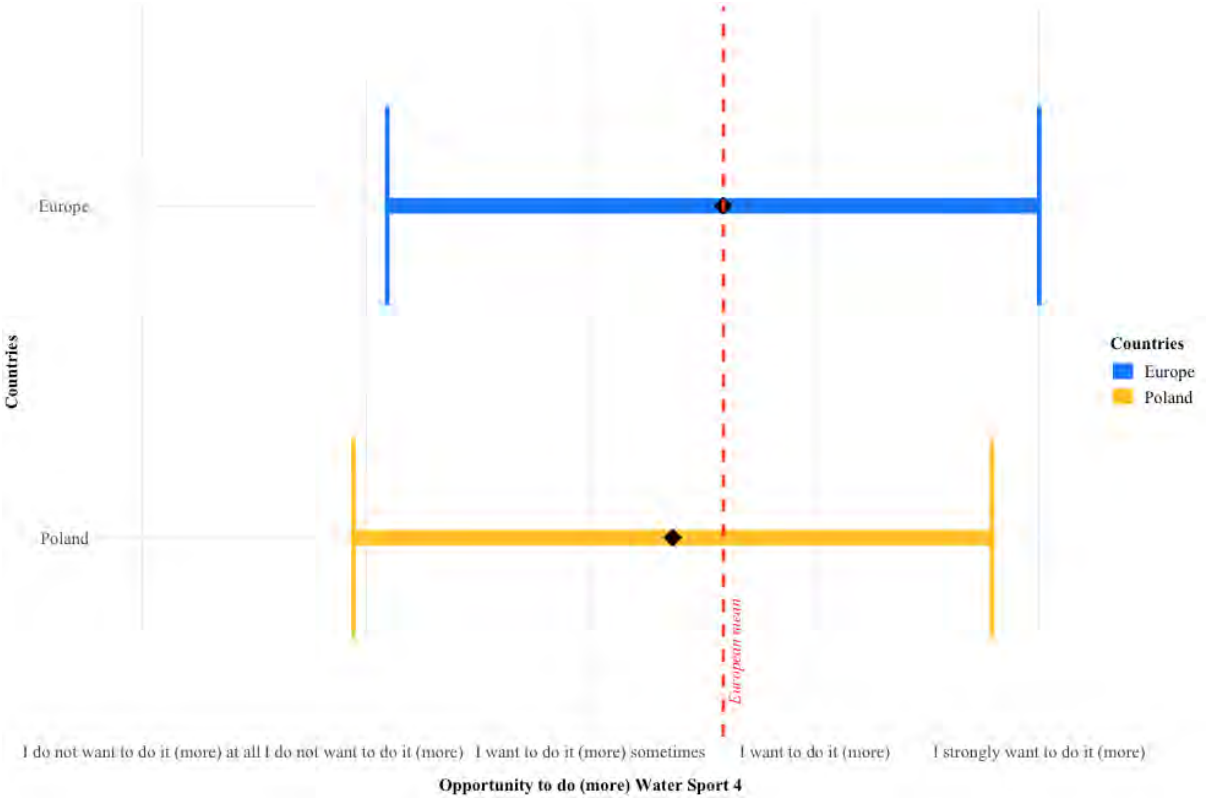


Figure 735. Distribution of the Opportunity to do (more) Water Sport 4 in Europe and in Poland (Mean±SD).

Table 1260. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	243	2,683	0.003 **	0.05 [a]	0.34 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

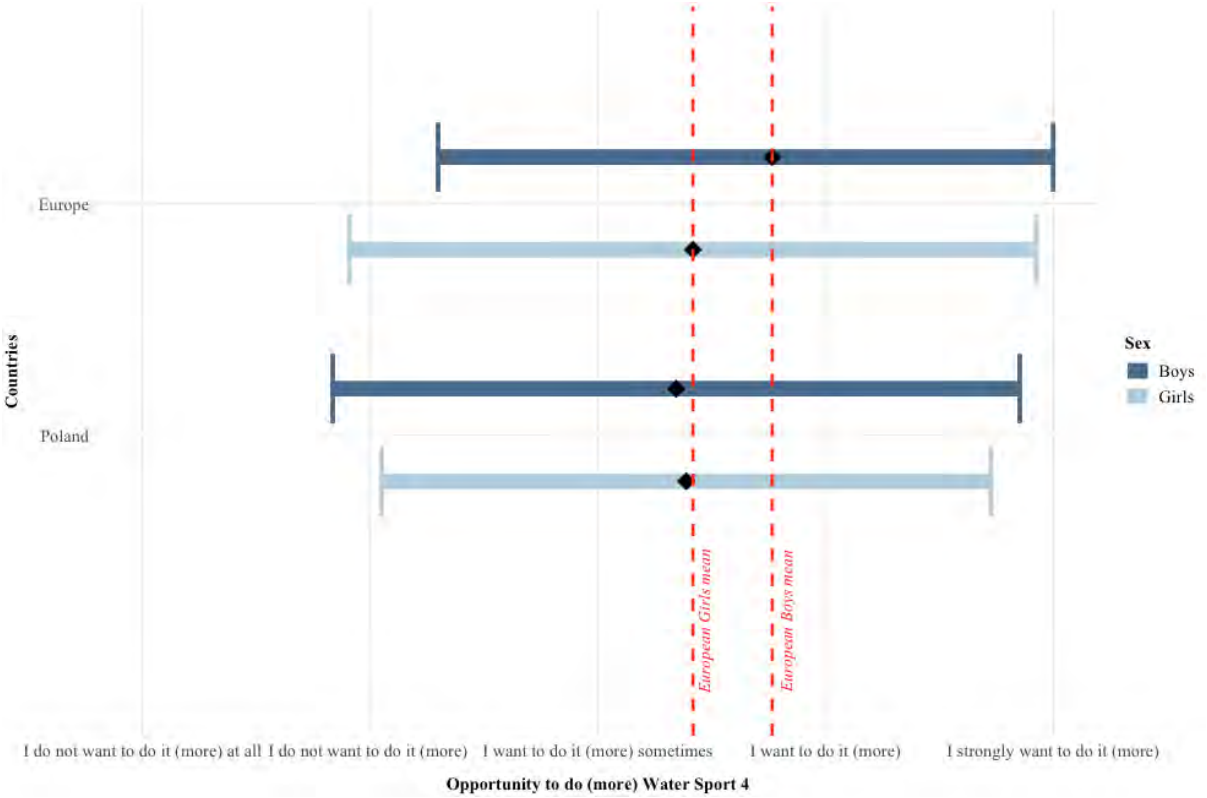


Figure 736. Distribution of the Opportunity to do (more) Water Sport 4 according to the Sex in Europe and in Poland (Mean±SD).

Table 1261. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	Boys	122	1,344	7.2^{e-04} ***	0.08 [a]	0.42 [1]
	Girls	121	1,339	0.49	0.02 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1262. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	Boys *vs* Girls	122	121	0.94	0.005 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

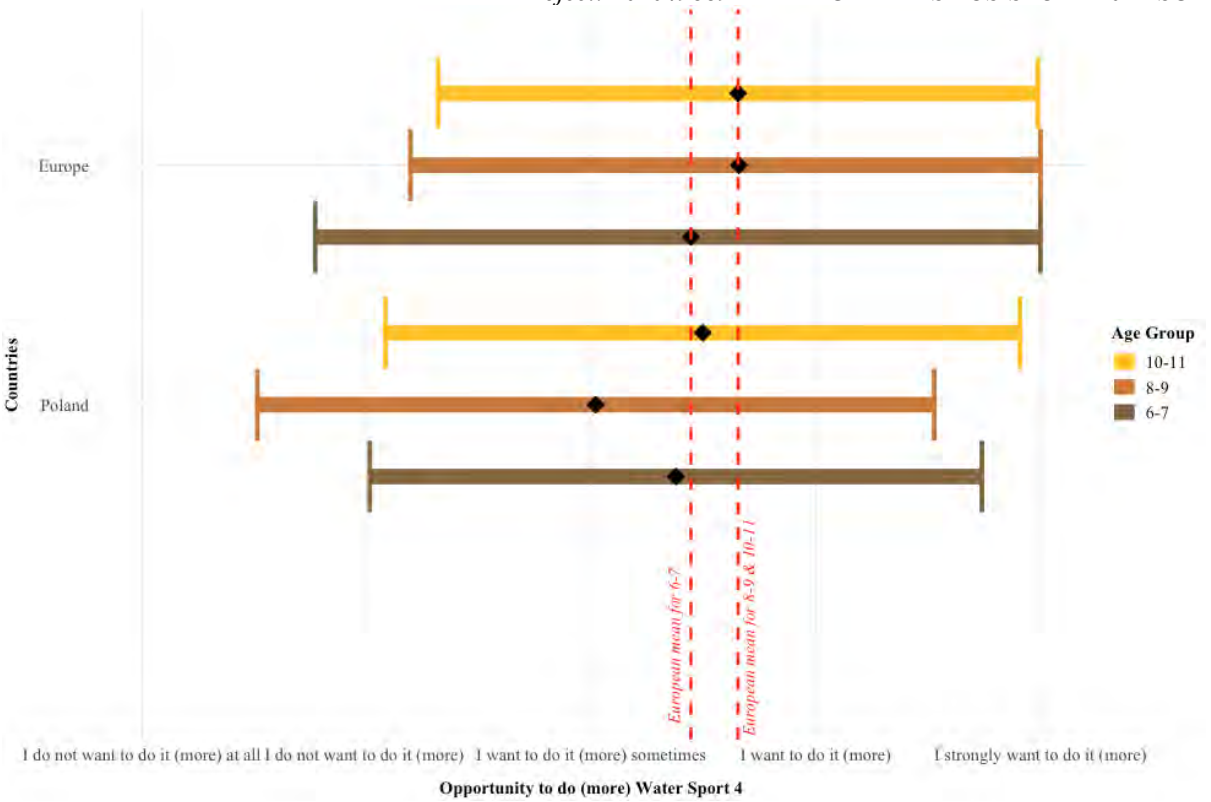


Figure 737. Distribution of the Opportunity to do (more) Water Sport 4 according to the Age Group in Europe and in Poland (Mean±SD).

Table 1263. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	69	809	0.31	0.03 [a]	0.08 [1]
	8-9 yo	49	1,123	0.003 **	0.08 [a]	0.21 [1]
	10-11 yo	125	751	0.26	0.04 [a]	0.12 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1264. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	69	49		0.21	0.11 [a]	0.23 [1]
	8-9 yo *vs* 10-11 yo		49	125	0.06	0.14 [a]	0.39 [1]
	6-7 yo *vs* 10-11 yo	69		125	0.47	0.05 [a]	0.10 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

g. Risk perceptions

1. Low risks in the swimming pool

Overview

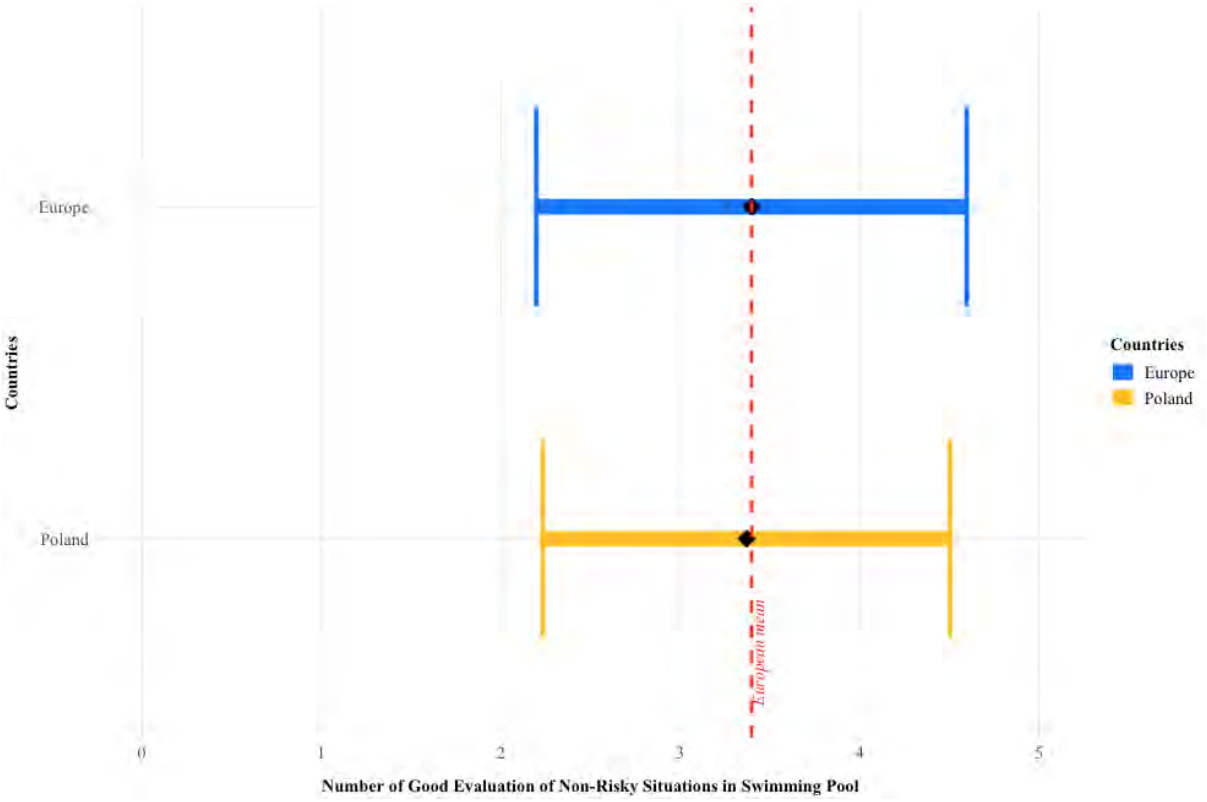


Figure 738. Distribution of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Europe and in Poland (Mean±SD).

Table 1265. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	252	2,736	0.45	0.03 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

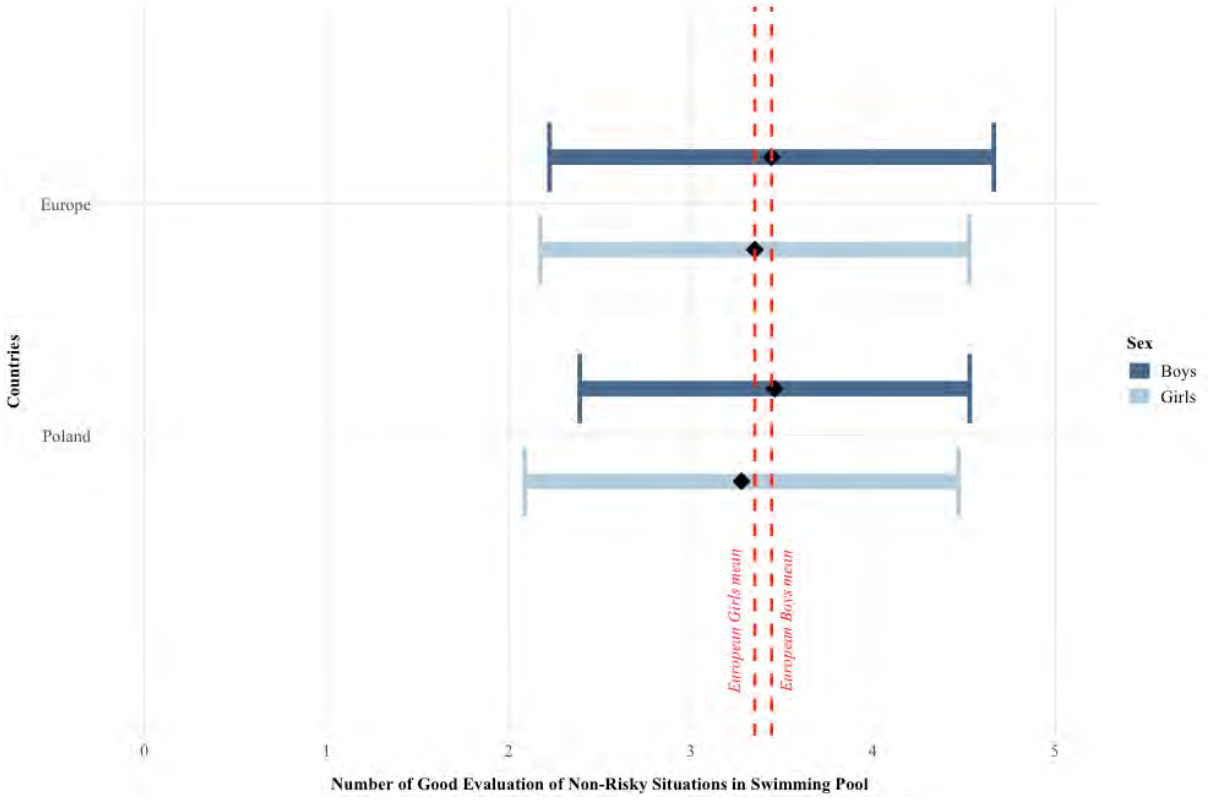


Figure 739. Distribution of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool according to the Sex in Europe and in Poland (Mean±SD).

Table 1266. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	Boys	126	1,371	0.76	0.007 [a]	0.05 [1]
	Girls	126	1,365	0.41	0.02 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1267. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	Boys *vs* Girls	126	126	0.21	0.08 [a]	0.23 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

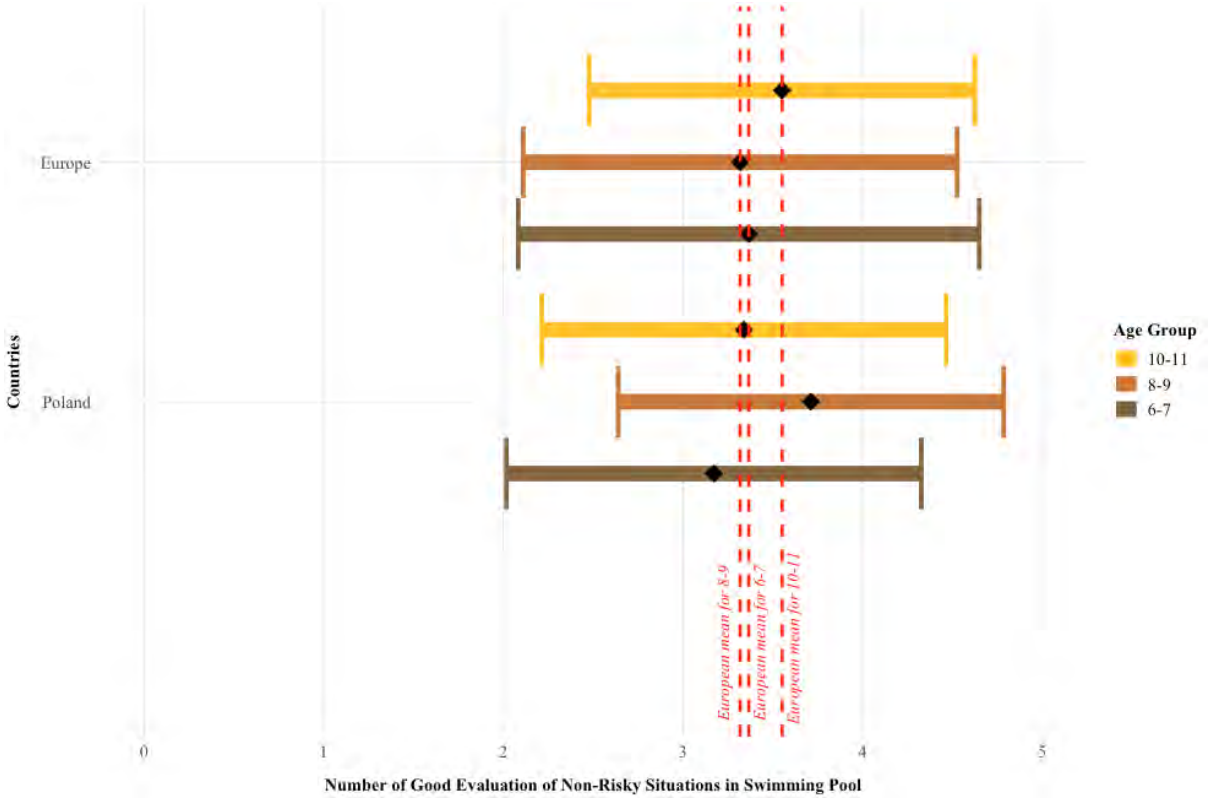


Figure 740. Distribution of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool according to the Age Group in Europe and in Poland (Mean±SD).

Table 1268. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* **Europe**	6-7 yo	70	829	0.11	0.05 [a]	0.13 [1]
	8-9 yo	52	1,145	0.02 *	0.06 [a]	0.15 [1]
	10-11 yo	130	762	0.02 *	0.07 [a]	0.33 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1269. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	70	52		0.009 **	0.23 [b]	0.73 [2]
	8-9 yo *vs* 10-11 yo		52	130	0.03 *	0.15 [a]	0.45 [1]
	6-7 yo *vs* 10-11 yo	70		130	0.29	0.07 [a]	0.16 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

2. High risks in the swimming pool

Overview

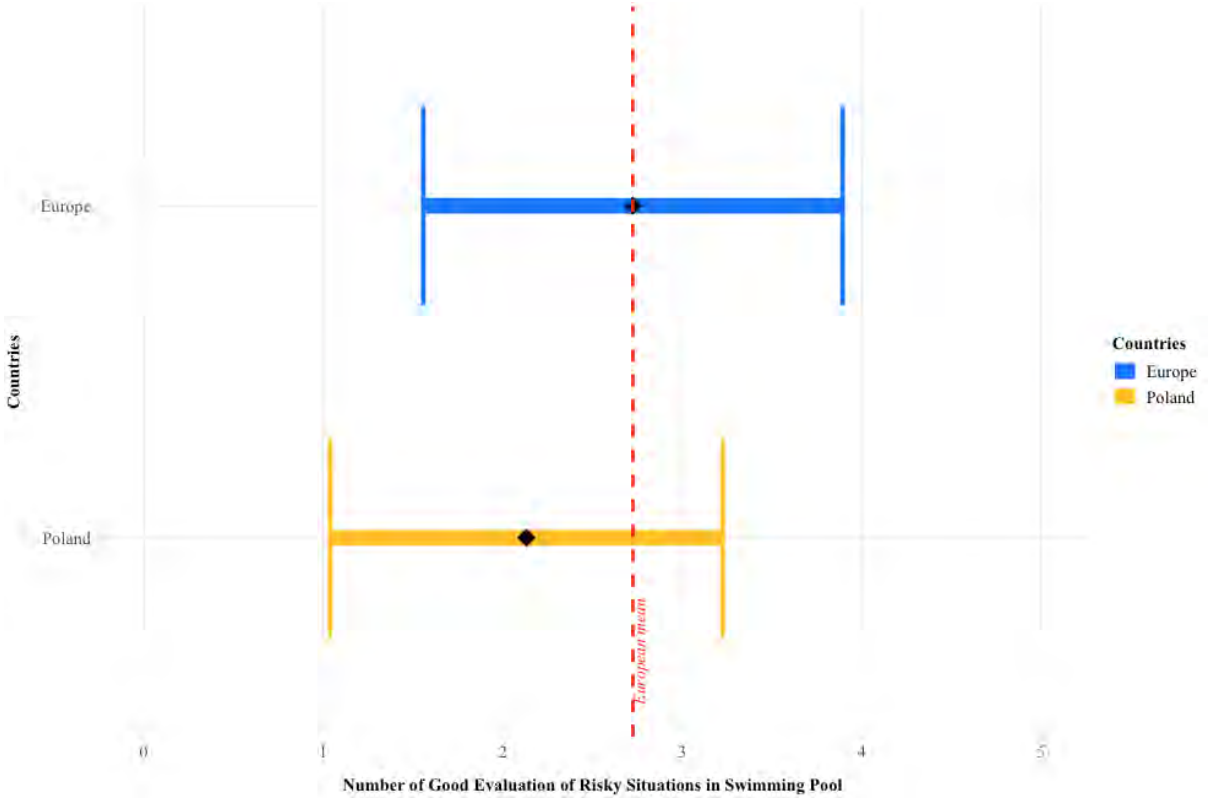


Figure 741. Distribution of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Europe and in Poland (Mean±SD).

Table 1270. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	251	2,734	7.74^{e-16} ***	0.29 [b]	0.99 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

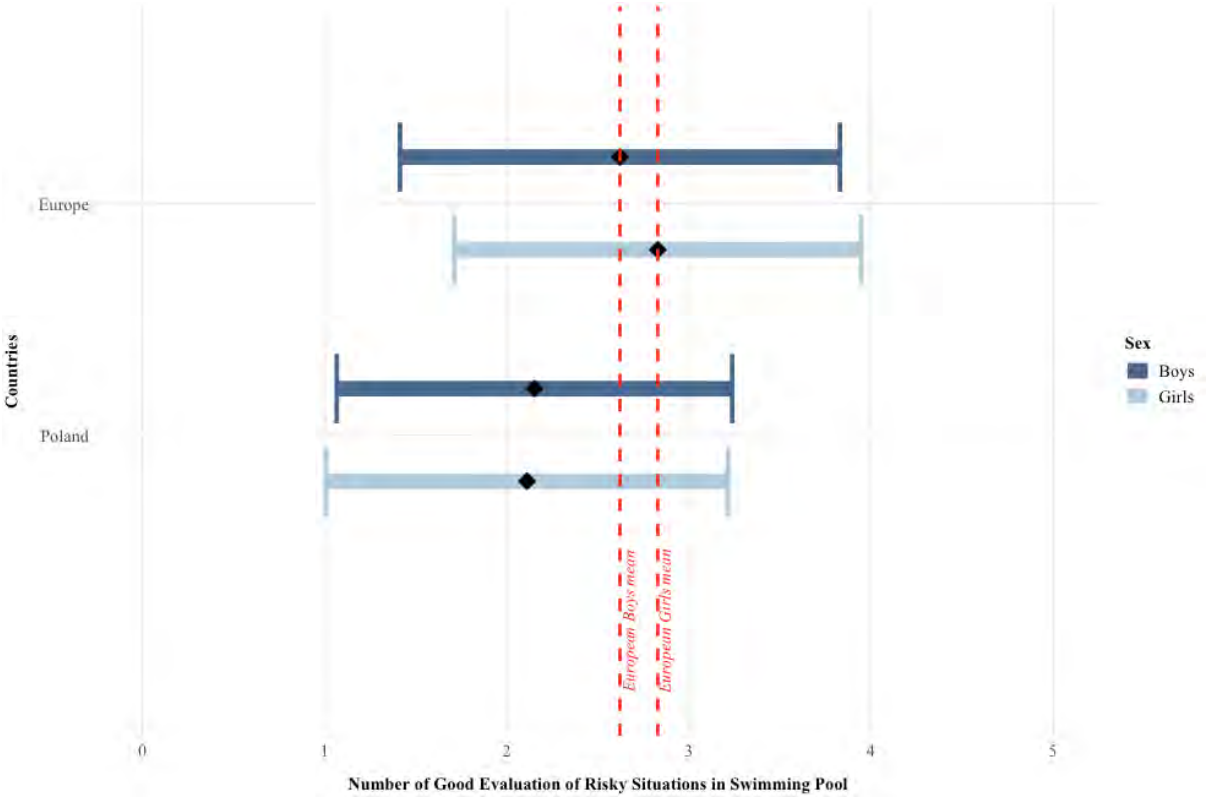


Figure 742. Distribution of the Number of Good Evaluation of Risky Situations in the Swimming Pool according to the Sex in Europe and in Poland (Mean±SD).

Table 1271. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	Boys	125	1,371	2.15^{e-06} ***	0.12 [a]	0.72 [2]
	Girls	126	1,363	2.7^{e-11} ***	0.17 [a]	0.95 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1272. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland	Boys *vs* Girls	125	126	0.93	0.006 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

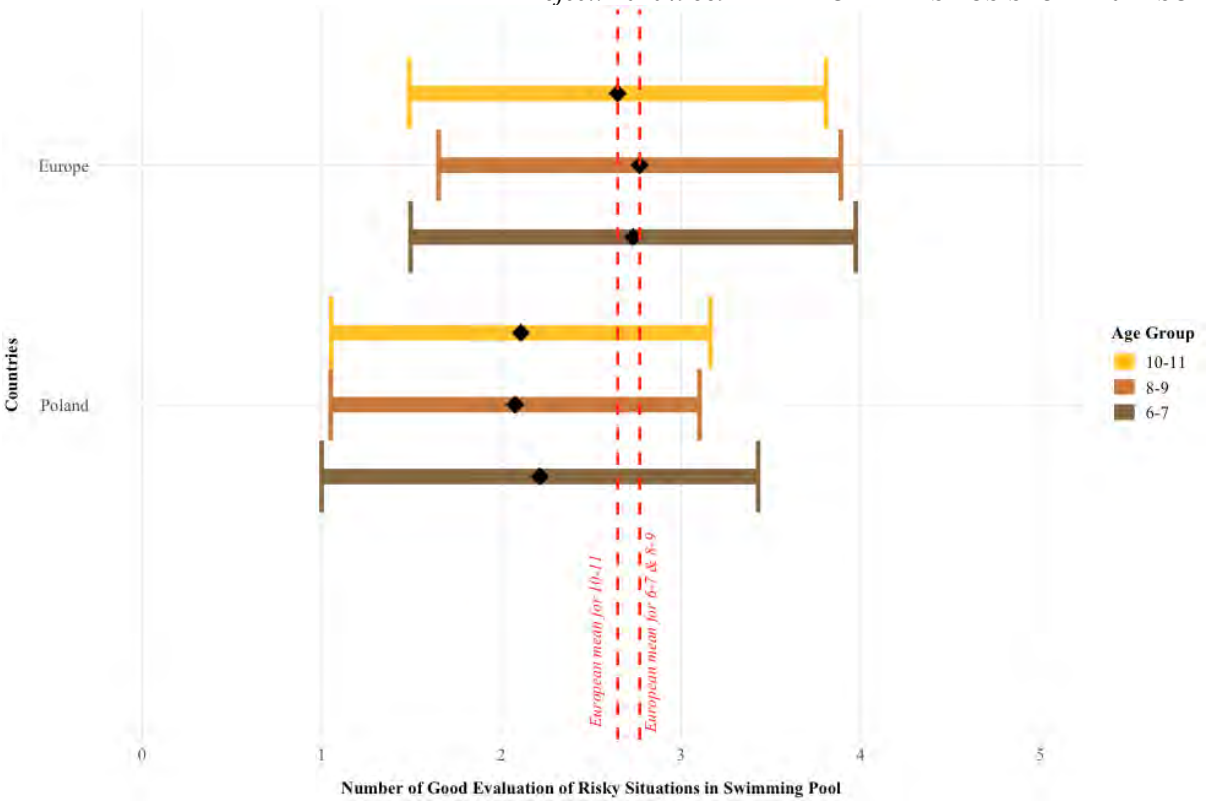


Figure 743. Distribution of the Number of Good Evaluation of Risky Situations in the Swimming Pool according to the Age Group in Europe and in Poland (Mean±SD).

Table 1273. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	70	826	4.58^{e-04} ***	0.11 [a]	0.45 [1]
	8-9 yo	52	1,145	9.13^{e-06} ***	0.12 [a]	0.42 [1]
	10-11 yo	129	763	9.36^{e-08} ***	0.17 [a]	0.96 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1274. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	70	52		0.55	0.05 [a]	0.09 [1]
	8-9 yo *vs* 10-11 yo		52	129	0.87	0.1 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	70		129	0.57	0.04 [a]	0.08 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

3. Low risks in open water

Overview

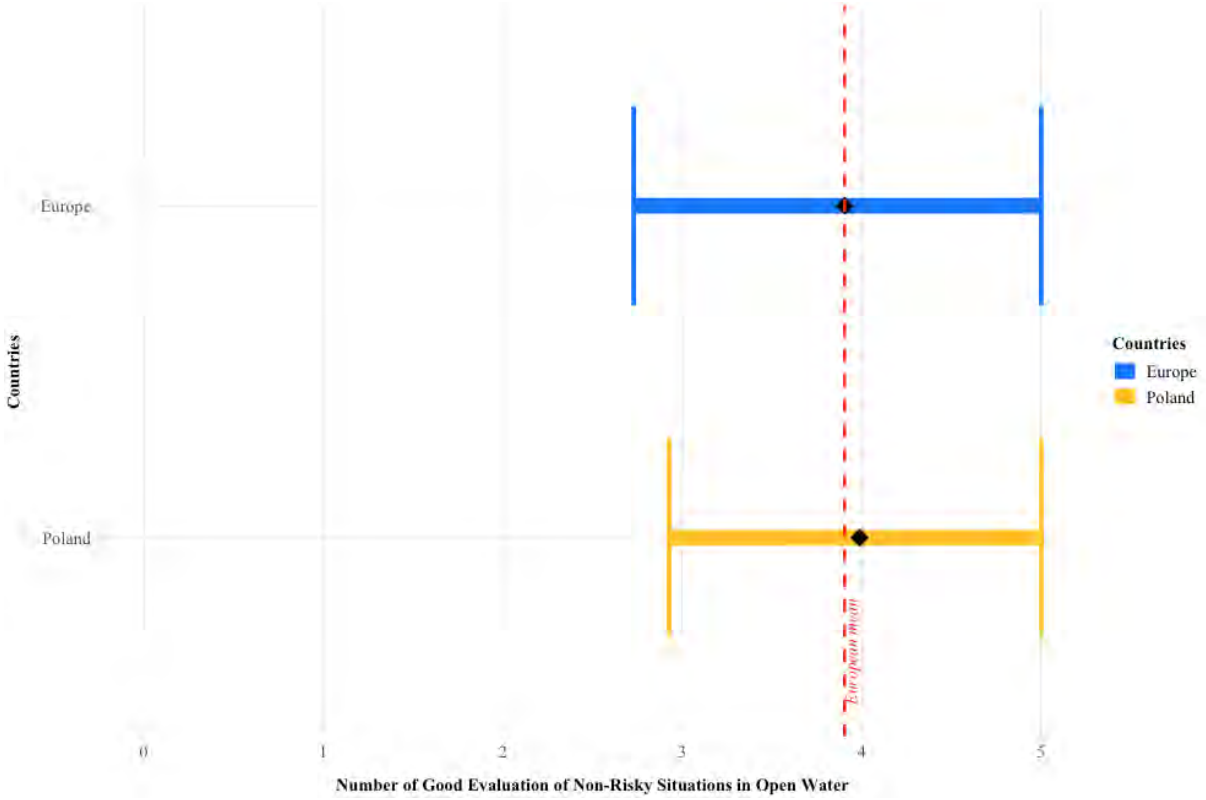


Figure 744. Distribution of the Number of Good Evaluation of Non-Risky Situations in Open Water in Europe and in Poland (Mean±SD).

Table 1275. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	245	2,735	0.58	0.02 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

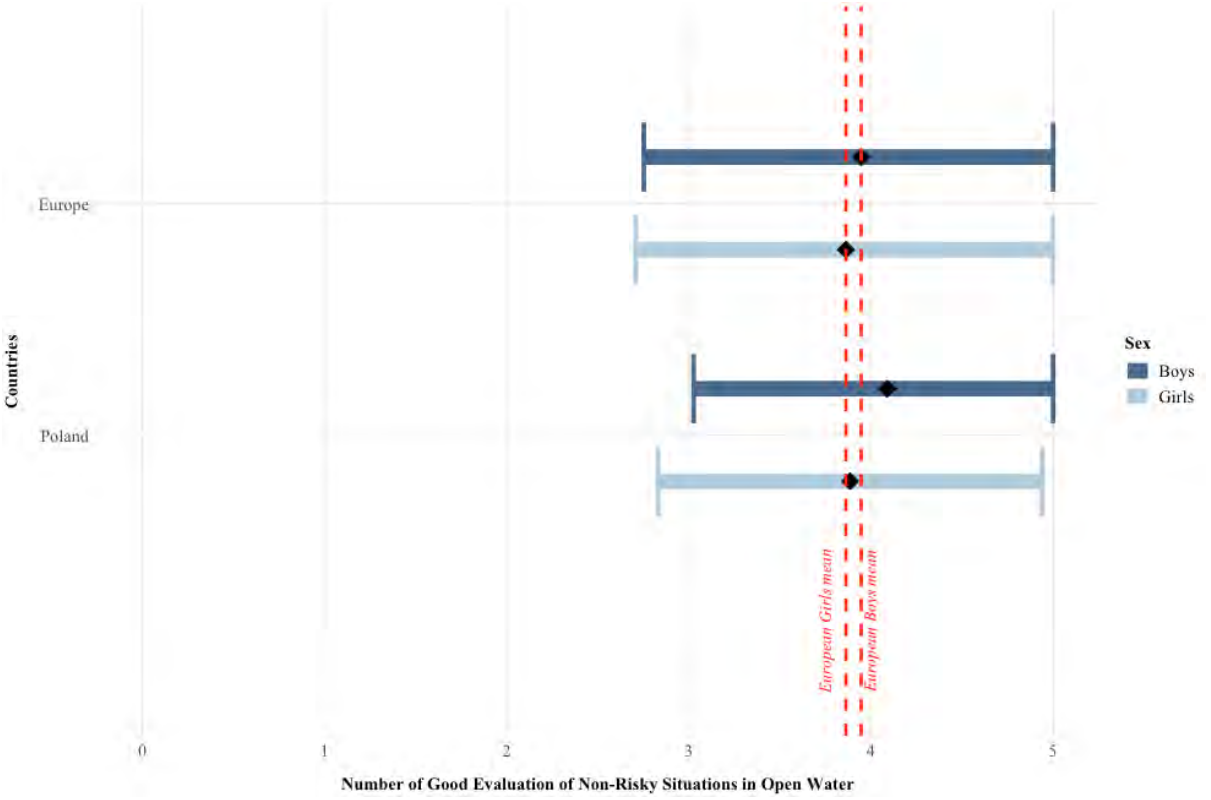


Figure 745. Distribution of the Number of Good Evaluation of Non-Risky Situations in Open Water according to the Sex in Europe and in Poland (Mean±SD).

Table 1276. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	Boys	123	1,371	0.31	0.005 [a]	0.05 [1]
	Girls	122	1,364	0.84	0.005 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1277. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland	Boys *vs* Girls	123	122	0.05	0.12 [a]	0.45 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

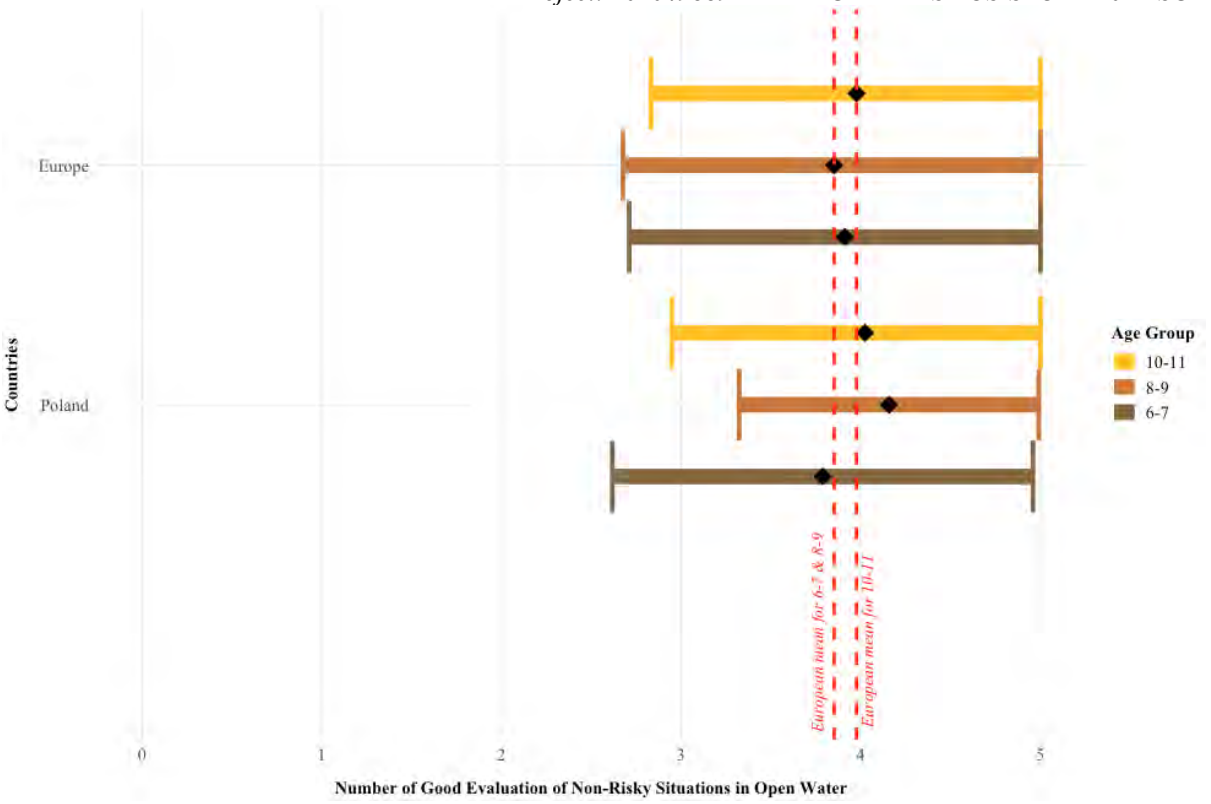


Figure 746. Distribution of the Number of Good Evaluation of Non-Risky Situations in Open Water according to the Age Group in Europe and in Poland (Mean±SD).

Table 1278. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	66	828	0.28	0.03 [a]	0.08 [1]
	8-9 yo	51	1,146	0.15	0.04 [a]	0.09 [1]
	10-11 yo	128	761	0.92	0.003 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1279. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	66	51		0.13	0.13 [a]	0.29 [1]
	8-9 yo *vs* 10-11 yo		51	128	0.68	0.03 [a]	0.06 [1]
	6-7 yo *vs* 10-11 yo	66		128	0.17	0.09 [a]	0.23 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

4. High risks in open water

Overview

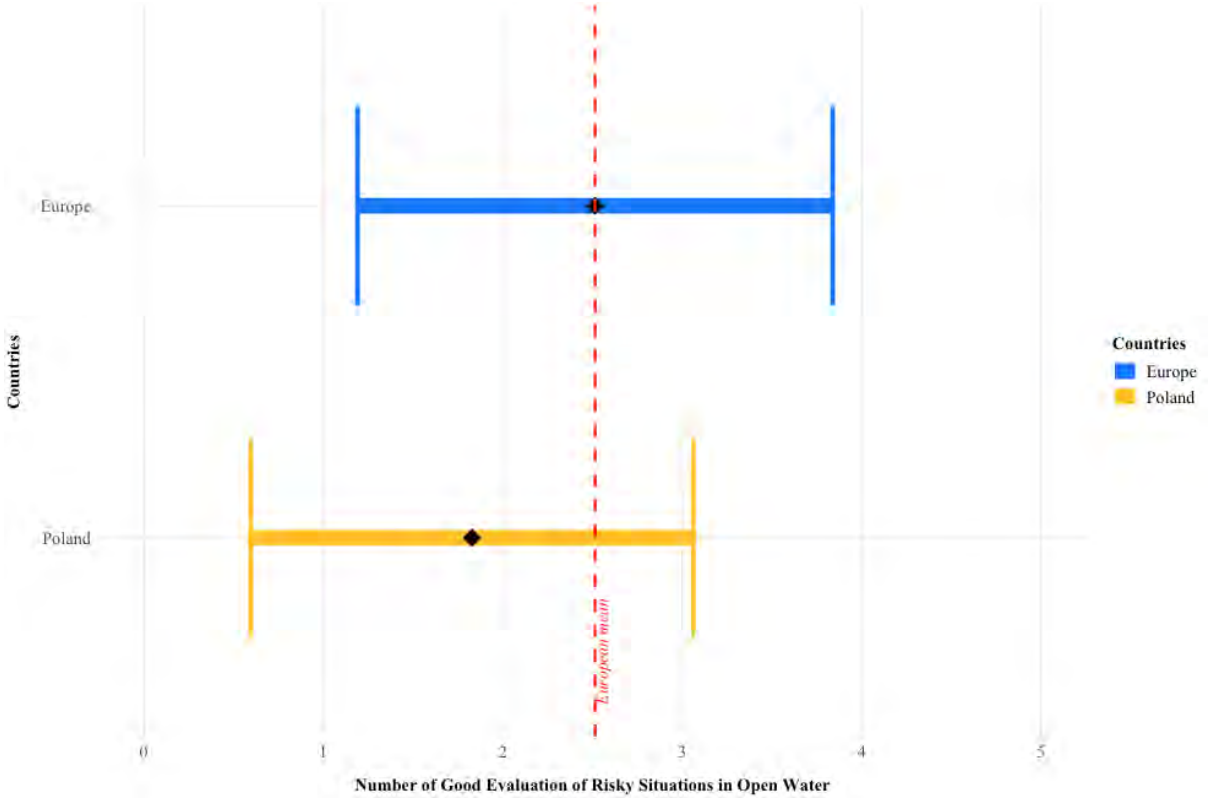


Figure 747. Distribution of the Number of Good Evaluation of Risky Situations in Open Water in Europe and in Poland (Mean±SD).

Table 1280. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	245	2,734	6.04^{e-14} ***	0.27 [b]	0.98 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

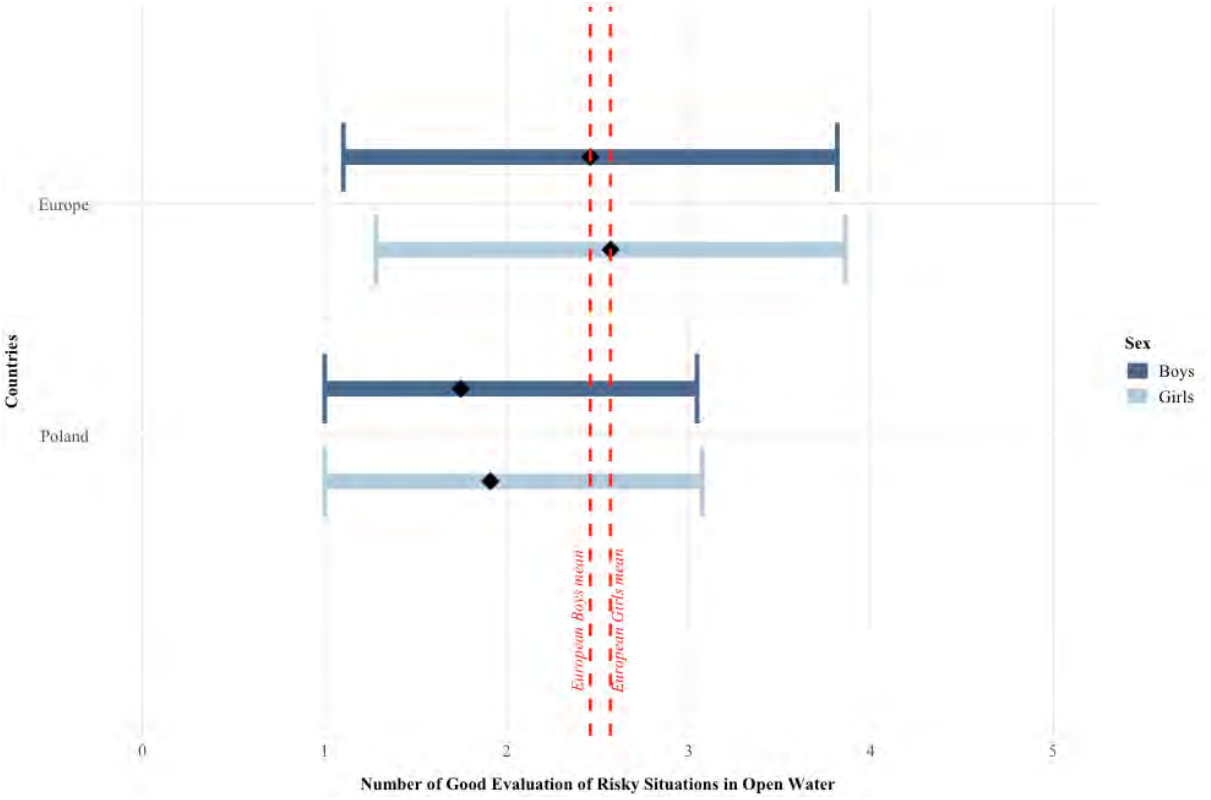


Figure 748. Distribution of the Number of Good Evaluation of Risky Situations in Open Water according to the Sex in Europe and in Poland (Mean±SD).

Table 1281. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	Boys	123	1,371	4.95^{e-08} ***	0.14 [a]	0.84 [3]
	Girls	122	1,348	0.14	0.04 [a]	0.12 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1282. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland	Boys *vs* Girls	123	123	0.24	0.07 [b]	0.21 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

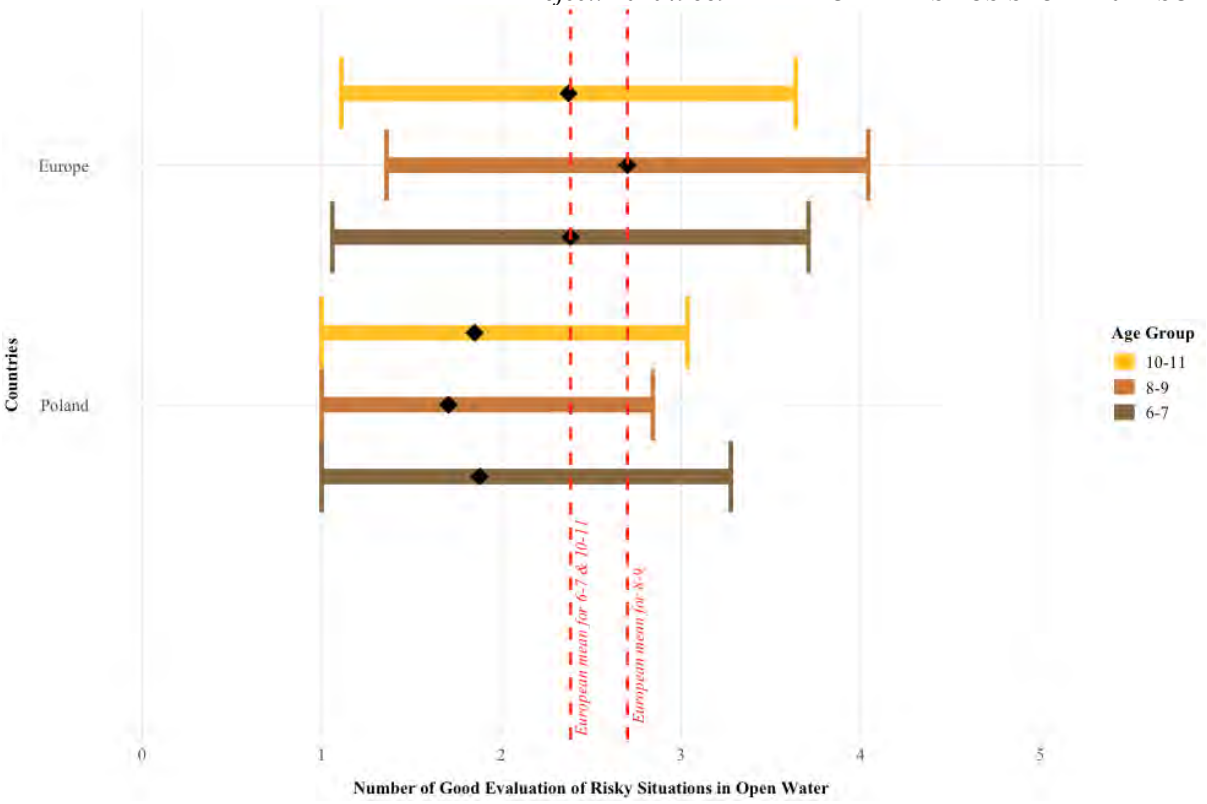


Figure 749. Distribution of the Number of Good Evaluation of Risky Situations in Open Water according to the Age Group in Europe and in Poland (Mean±SD).

Table 1283. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	66	827	0.01 **	0.08 [a]	0.26 [1]
	8-9 yo	51	1,145	1.21^{e-07} ***	0.15 [a]	0.56 [2]
	10-11 yo	128	762	2.71^{e-07} ***	0.14 [a]	0.82 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1284. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	66	51		0.38	0.08 [a]	0.13 [1]
	8-9 yo *vs* 10-11 yo		51	128	0.29	0.08 [a]	0.15 [1]
	6-7 yo *vs* 10-11 yo	66		128	0.78	0.02 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

D. Isolated task

Descriptive analysis

Table 1285. Number of children who did the Isolated Tasks test.

Country	Sex	Age group	Entry in the water (n=)	Exit from the water (n=)	Propulsion on the belly (n=)	Floating (n=)
Europe	Boys	6-7	314	314	301	302
		8-9	526	526	520	518
		10-11	310	310	309	309
	Girls	6-7	341	341	328	333
		8-9	467	467	462	467
		10-11	328	328	326	326
Poland	Boys	6-7	32	32	32	32
		8-9	25	25	25	25
		10-11	73	73	65	65
	Girls	6-7	34	34	34	34
		8-9	25	25	25	25
		10-11	56	56	46	46
Total			**2,531**	**2,531**	**2,473**	**2,482**

Country	Sex	Age group	Propulsion on the Back (n=)	Breathing (n=)	Treading water (n=)	Submersion (n=)	Rotations (n=)
Europe	Boys	6-7	293	252	305	300	206
		8-9	514	499	520	518	424
		10-11	304	297	310	308	250
	Girls	6-7	319	296	334	328	229
		8-9	460	434	465	462	354
		10-11	327	319	326	327	272
Poland	Boys	6-7	32	25	32	32	32
		8-9	25	22	25	25	25
		10-11	65	71	73	73	73
	Girls	6-7	34	31	34	34	34
		8-9	25	18	25	25	25
		10-11	46	54	55	56	56
Total			**2,444**	**2,318**	**2,504**	**2,488**	**1,980**

Notes. Europe: France, Germany, Lithuania, Norway, Poland and Portugal.

Table 1286. Descriptive analyse of the Isolated Tasks test.

Country	Sex	Age group	Entry in the water Mean (±SD)	Exit from the water Mean (±SD)	Propulsion on the belly Mean (±SD)	Floating Mean (±SD)
Europe	Boys	6-7	2.47 (±1.77)	3.23 (±1.83)	12.25 (±15.94)	4.58 (±5.77)
		8-9	3.55 (±1.53)	4.07 (±1.46)	30.76 (±23.24)	9.22 (±6.03)
		10-11	4.22 (±1.24)	4.52 (±1.14)	47.4 (±22.12)	10.44 (±5.29)
	Girls	6-7	2.13 (±1.82)	2.93 (±1.83)	12.4 (±16.72)	5.48 (±6.24)
		8-9	3.2 (±1.56)	3.72 (±1.65)	28.87 (±23.19)	9.28 (±6.36)
		10-11	3.88 (±1.42)	4.18 (±1.44)	47.5 (±23.08)	11.03 (±5.28)
Poland	Boys	6-7	2.25 (±1.73)	3.19 (±1.96)	16 (±19.47)	4.82 (±6.09)
		8-9	2.72 (±1.65)	3.4 (±1.94)	16.12 (±18.14)	5.24 (±6.32)
		10-11	3.96 (±1.3)	4.44 (±1.29)	40.11 (±20.32)	10.93 (±5.08)
	Girls	6-7	2.62 (±1.85)	3 (±1.91)	19.68 (±20.69)	5.65 (±5.66)
		8-9	2.56 (±1.42)	2.76 (±1.7)	15.12 (±17.71)	6.8 (±5.91)
		10-11	3.75 (±1.18)	4.4 (±1.22)	39.81 (±18.1)	11.68 (±4.63)

Country	Sex	Age group	Propulsion on the back Mean (±SD)	Breathing Mean (±SD)	Treading water Mean (±SD)	Submersion Mean (±SD)	Rotations Mean (±SD)
Europe	Boys	6-7	12.7 (±17.18)	3.1 (±1.59)	29.05 (±41.61)	0.82 (±1.32)	1.99 (±1.76)
		8-9	31.64 (±23.65)	4.08 (±1.36)	68.88 (±50.12)	2.4 (±2.81)	3.35 (±1.67)
		10-11	43.84 (±21.05)	4.41 (±1.12)	97.41 (±40.21)	3.73 (±3.26)	3.98 (±1.33)
	Girls	6-7	13.01 (±18.27)	3.07 (±1.57)	28.46 (±42.31)	0.79 (±1.47)	1.89 (±1.76)
		8-9	30.63 (±24.35)	3.93 (±1.41)	66.55 (±50.11)	2.11 (±2.4)	3.17 (±1.69)
		10-11	43.79 (±21.36)	4.24 (±1.23)	94.5 (±43.25)	3.76 (±3.32)	4.02 (±1.43)
Poland	Boys	6-7	15.19 (±19.24)	3.56 (±1.53)	20.69 (±31.56)	0.91 (±1.75)	2.16 (±1.86)
		8-9	19.2 (±19.79)	4.46 (±0.97)	14.16 (±16.79)	0.36 (±0.82)	2.28 (±1.77)
		10-11	38.2 (±22.64)	4.68 (±0.93)	81.03 (±47.33)	3.55 (±3.77)	3.96 (±1.44)
	Girls	6-7	19.83 (±19.86)	4.07 (±1.42)	28.95 (±40.55)	0.62 (±1.19)	2.24 (±2.05)
		8-9	18.52 (±19.79)	3.5 (±1.51)	12.88 (±15.32)	0.44 (±0.77)	2.24 (±1.74)
		10-11	41.11 (±20.71)	4.78 (±0.75)	84.48 (±47.45)	3.47 (±3.59)	4.09 (±1.44)

Notes. Europe: France, Germany, Lithuania, Norway, Poland and Portugal.

a. Entry in the water

Overview

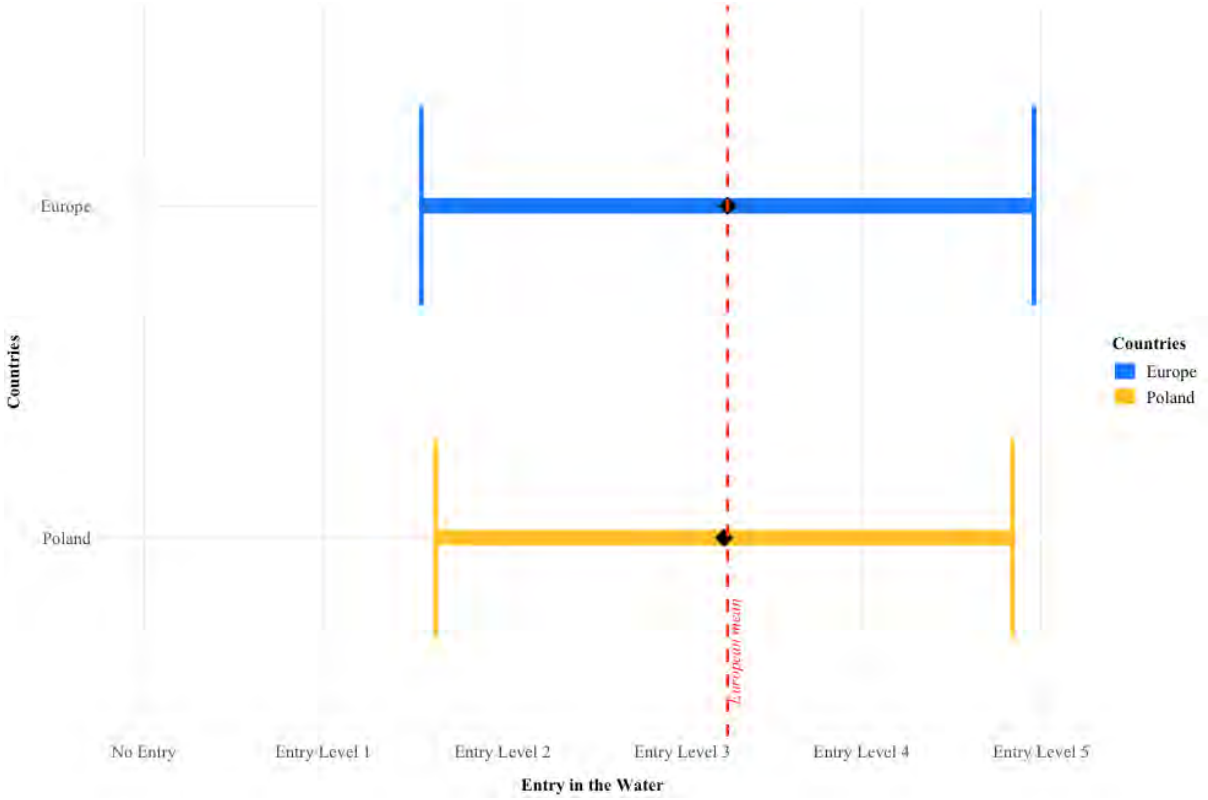


Figure 750. Distribution of the Entry in the Water in Europe and in Poland (Mean±SD).

Table 1287. Comparative Analysis of the Entry in the Water in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	245	2,286	0.51	0.02 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

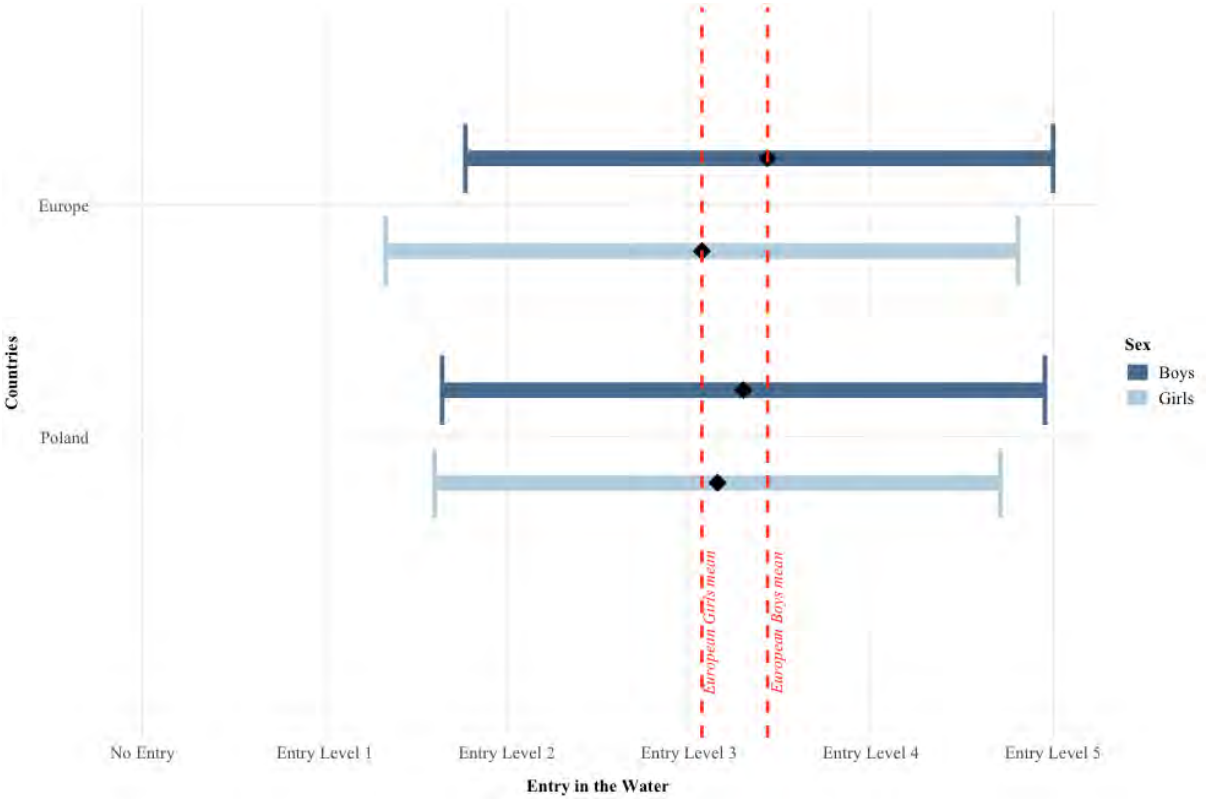


Figure 751. Distribution of the Entry in the Water according to the Sex in Europe and in Poland (Mean±SD).

Table 1288. Comparative Analysis of the Entry in the Water in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	Boys	130	1,150	0.28	0.03 [a]	0.1 [1]
	Girls	115	1,136	0.88	0.004 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1289. Comparative Analysis of the Entry in the Water in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland	Boys *vs* Girls	130	115	0.32	0.06 [a]	0.16 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

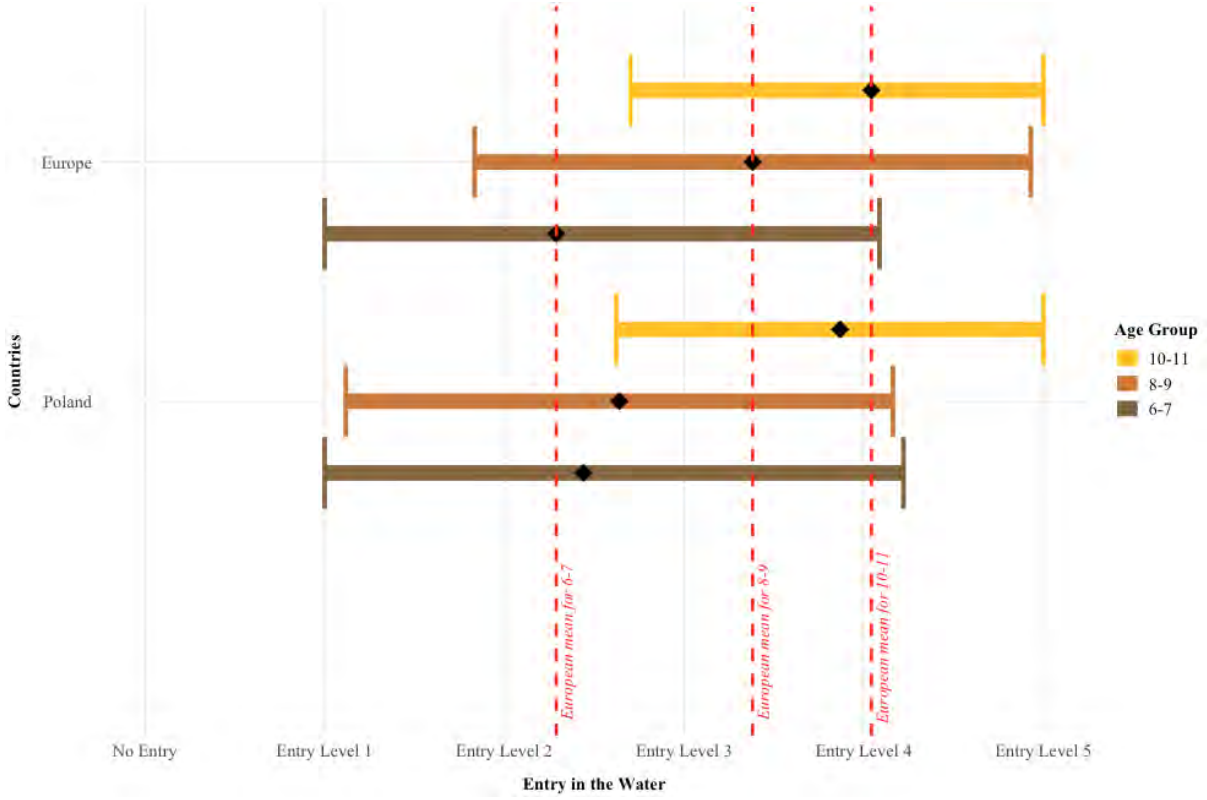


Figure 752. Distribution of the Entry in the Water according to the Age Group in Europe and in Poland (Mean±SD).

Table 1290. Comparative Analysis of the Entry in the Water in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	66	655	0.52	0.02 [a]	0.06 [1]
	8-9 yo	50	993	4.76^{e-04} ***	0.1 [a]	0.31 [1]
	10-11 yo	126	638	0.02 *	0.08 [a]	0.37 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1291. Comparative Analysis of the Entry in the Water in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	66	50		0.55	0.05 [a]	0.09 [1]
	8-9 yo *vs* 10-11 yo		50	126	2.72^{e-07} ***	0.37 [b]	1 [4]
	6-7 yo *vs* 10-11 yo	66		126	5.8^{e-08} ***	0.38 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

b. Exit from the water

Overview

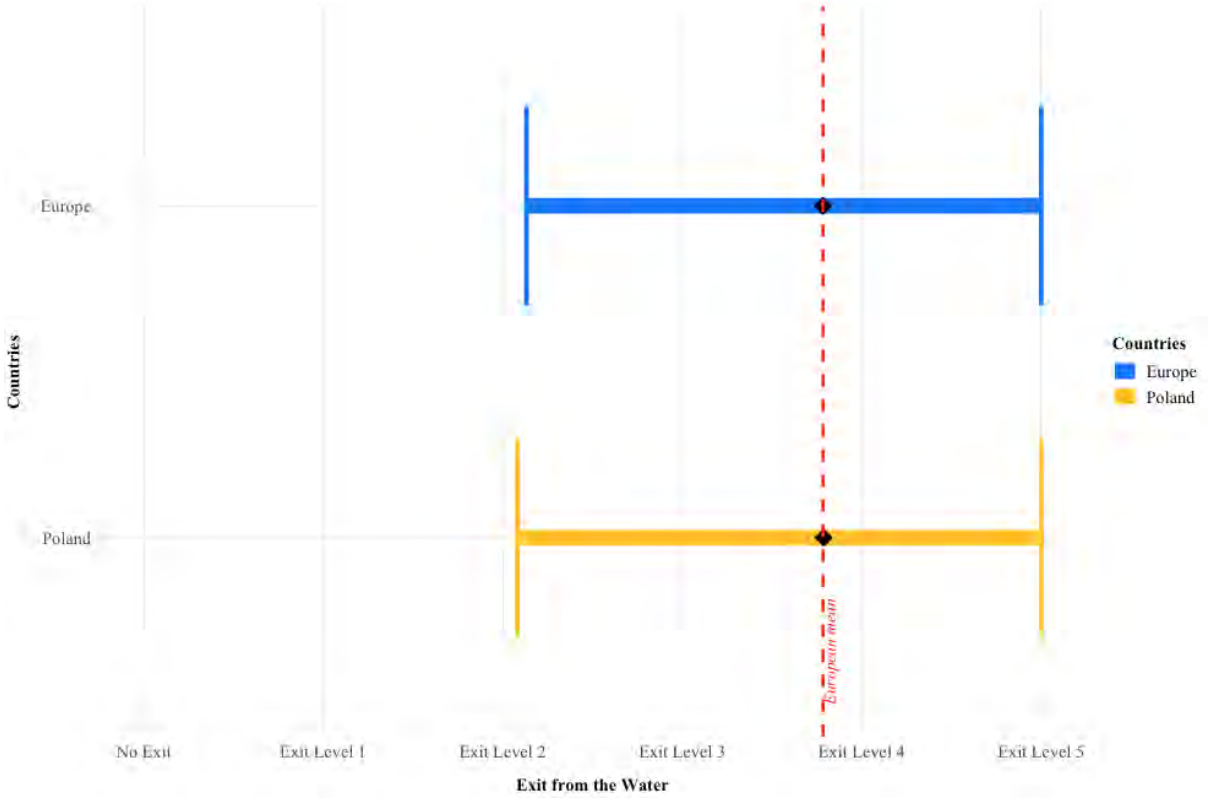


Figure 753. Distribution of the Exit from the Water in Europe and in Poland (Mean±SD).

Table 1292. Comparative Analysis of the Exit from the Water in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	245	2,286	0.39	0.02 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

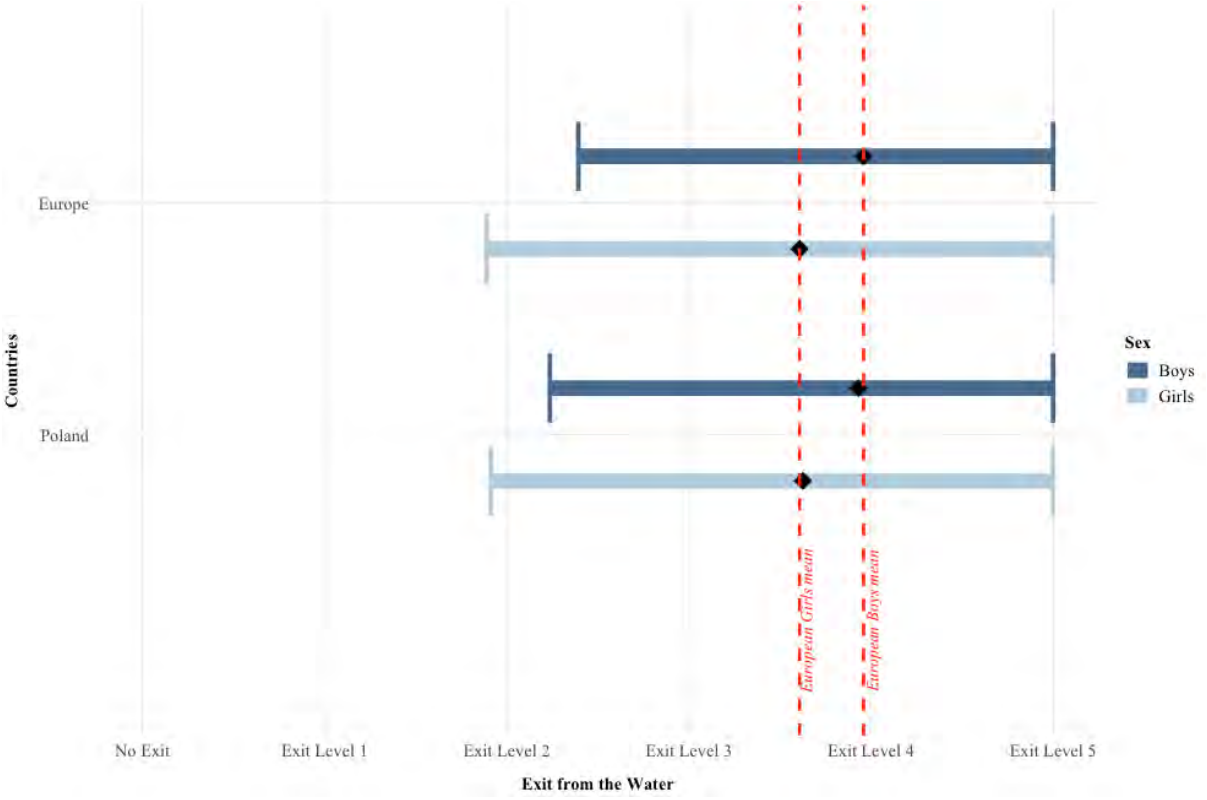


Figure 754. Distribution of the Exit from the Water according to the Sex in Europe and in Poland (Mean±SD).

Table 1293. Comparative Analysis of the Exit from the Water in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	Boys	130	1,150	0.48	0.02 [a]	0.06 [1]
	Girls	115	1,136	0.65	0.01 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1294. Comparative Analysis of the Exit from the Water in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	Boys *vs* Girls	130	115	0.1	0.09 [a]	0.31 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

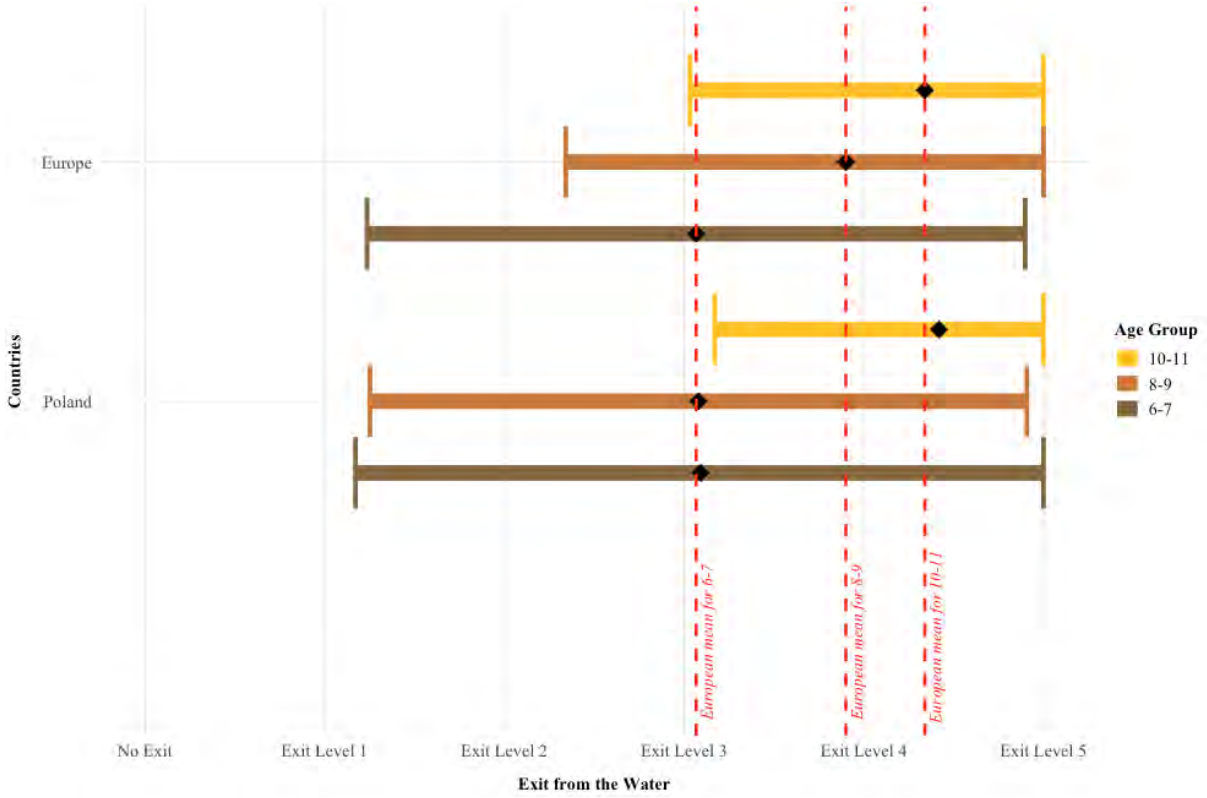


Figure 755. Distribution of the Exit from the Water according to the Age Group in Europe and in Poland (Mean±SD).

Table 1295. Comparative Analysis of the Exit from the Water in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	66	655	0.75	0.01 [a]	0.05 [1]
	8-9 yo	50	993	0.003 **	0.08 [a]	0.21 [1]
	10-11 yo	129	638	0.3	0.03 [a]	0.1 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1296. Comparative Analysis of the Exit from the Water in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	66	50		0.93	0.008 [a]	0.05 [1]
	8-9 yo *vs* 10-11 yo		50	129	7.78^{e-07} ***	0.31 [b]	0.97 [4]
	6-7 yo *vs* 10-11 yo	66		129	1.87^{e-07} ***	0.32 [b]	0.99 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

c. Propulsion on the belly

Overview

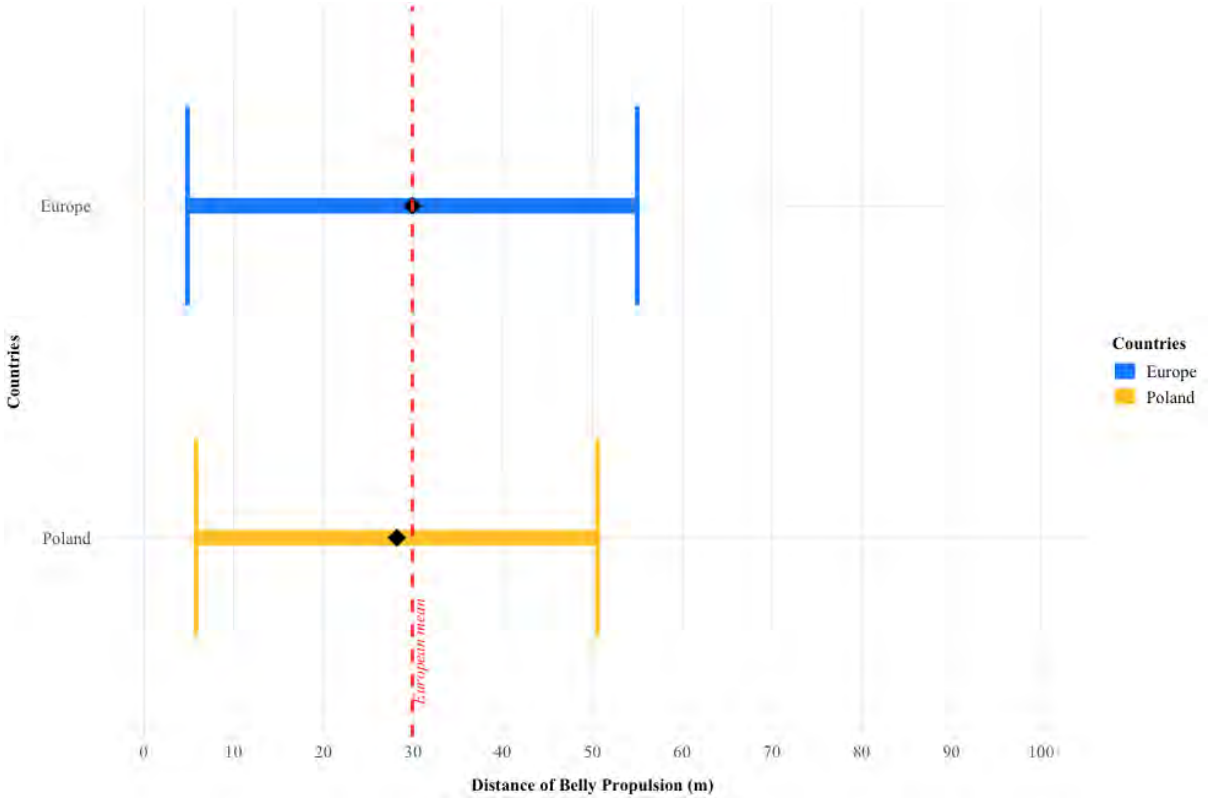


Figure 756. Distribution of the Propulsion on the Belly in Europe and in Poland (Mean±SD).

Table 1297. Comparative Analysis of the Propulsion on the Belly in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	277	2,246	0.2	0.05 [a]	0.11 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

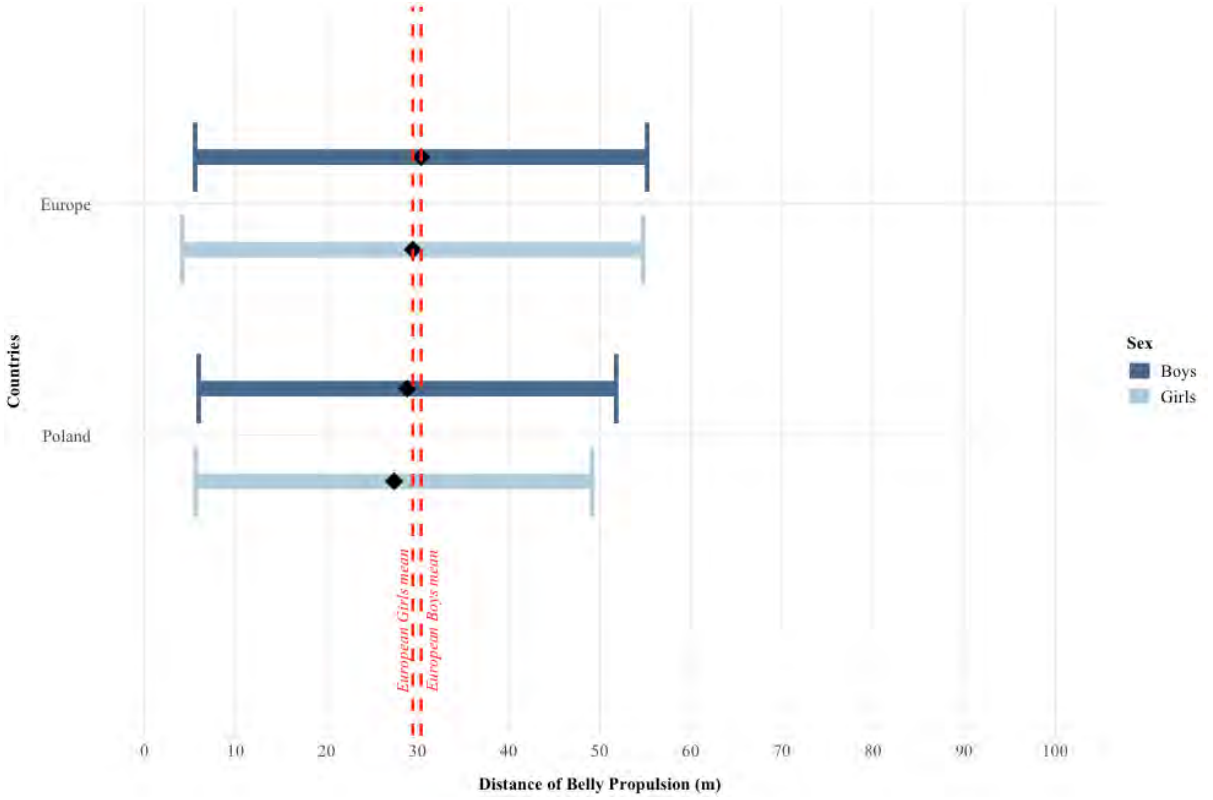


Figure 757. Distribution of the Propulsion on the Belly according to the Sex in Europe and in Poland (Mean±SD).

Table 1298. Comparative Analysis of the Propulsion on the Belly in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	Boys	122	1,130	0.44	0.02 [a]	0.07 [1]
	Girls	105	1,116	0.28	0.03 [a]	0.09 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1299. Comparative Analysis of the Propulsion on the Belly in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland	Boys *vs* Girls	122	105	0.62	0.03 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

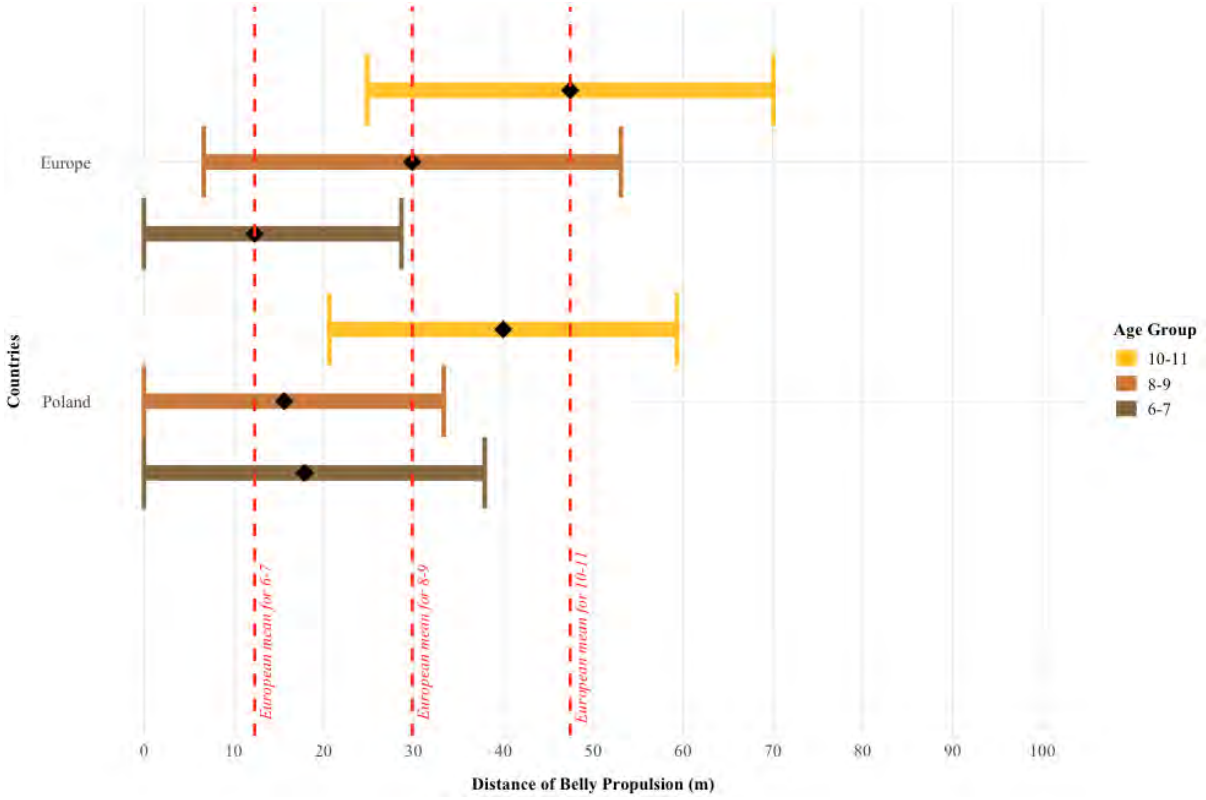


Figure 758. Distribution of the Propulsion on the Belly according to the Age Group in Europe and in Poland (Mean±SD).

Table 1300. Comparative Analysis of the Propulsion on the Belly in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	66	629	0.33	0.03 [a]	0.05 [1]
	8-9 yo	50	982	6.62^{e-06} ***	0.14 [a]	0.49 [1]
	10-11 yo	111	635	8.25^{e-05} ***	0.14 [a]	0.81 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1301. Comparative Analysis of the Propulsion on the Belly in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	66	50		0.88	0.01 [a]	0.05 [1]
	8-9 yo *vs* 10-11 yo		50	111	4.97^{e-10} ***	0.49 [b]	1 [4]
	6-7 yo *vs* 10-11 yo	66		111	1.57^{e-09} ***	0.45 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

e. Propulsion on the back

Overview

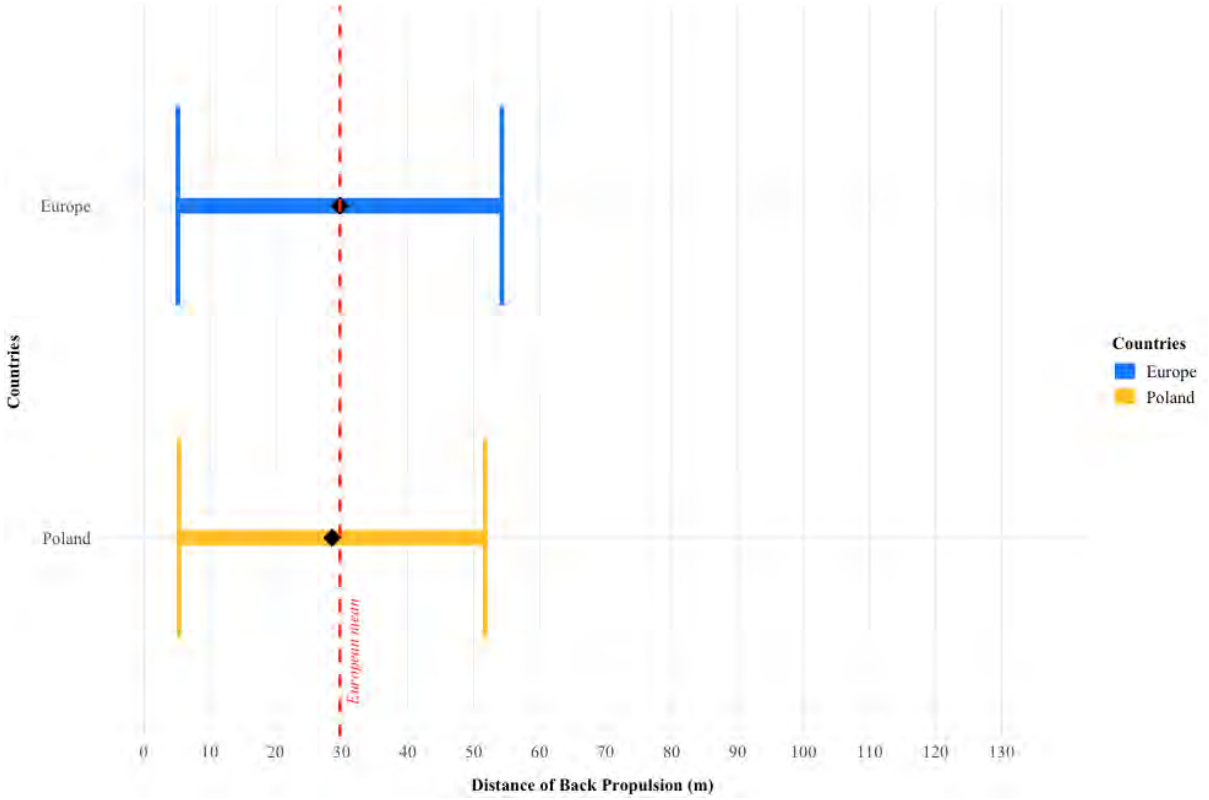


Figure 759. Distribution of the Propulsion on the Back in Europe and in Poland (Mean±SD).

Table 1302. Comparative Analysis of the Propulsion on the Back in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	227	2,217	0.21	0.05 [a]	0.11 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

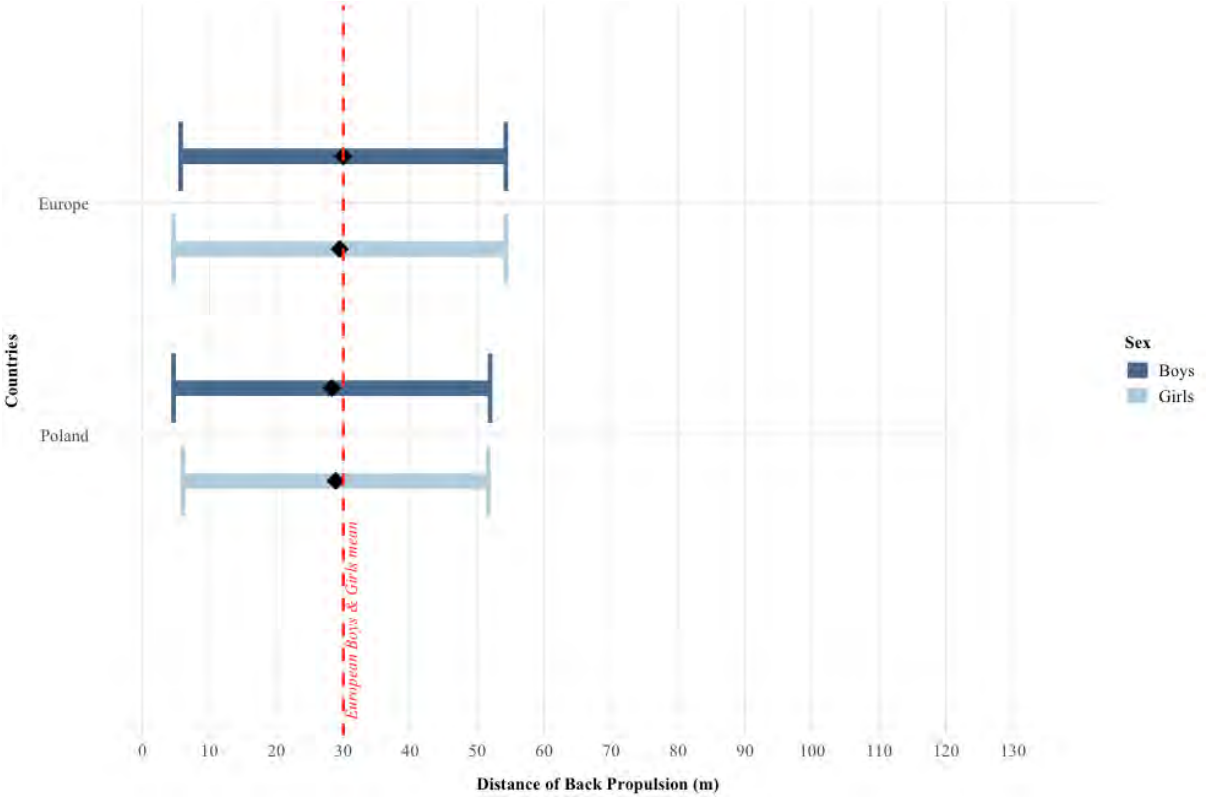


Figure 760. Distribution of the Propulsion on the Back according to the Sex in Europe and in Poland (Mean±SD).

Table 1303. Comparative Analysis of the Propulsion on the Back in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	Boys	122	1,111	0.21	0.03 [a]	0.11 [1]
	Girls	105	1,106	0.58	0.02 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1304. Comparative Analysis of the Propulsion on the Back in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	Boys *vs* Girls	122	105	0.79	0.02 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

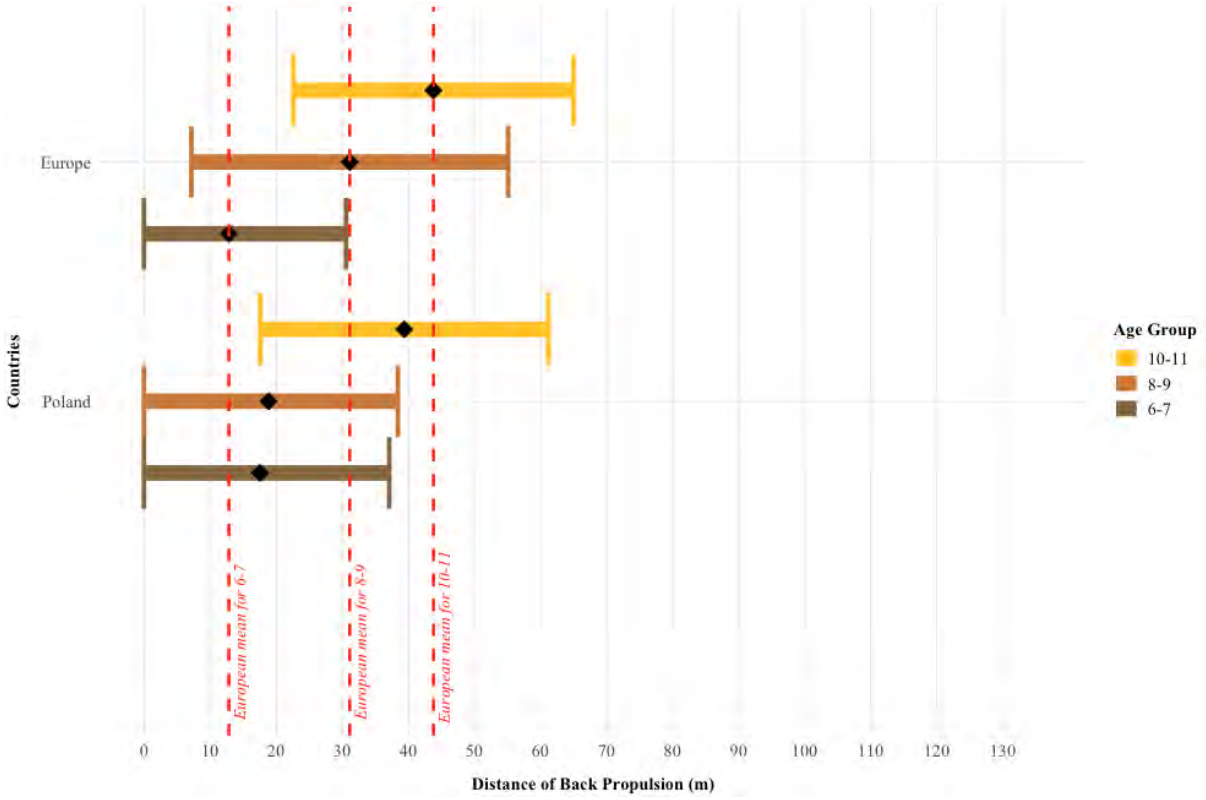


Figure 761. Distribution of the Propulsion on the Back according to the Age Group in Europe and in Poland (Mean±SD).

Table 1305. Comparative Analysis of the Propulsion on the Back in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	66	612	0.21	0.04 [a]	0.11 [1]
	8-9 yo	50	974	9.2^{e-05} ***	0.12 [a]	0.39 [1]
	10-11 yo	111	631	0.009 **	0.1 [a]	0.46 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1306. Comparative Analysis of the Propulsion on the Back in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	66	50		0.78	0.02 [a]	0.06 [1]
	8-9 yo *vs* 10-11 yo		50	111	1.48^{e-07} ***	0.41 [b]	1 [4]
	6-7 yo *vs* 10-11 yo	66		111	2.41^{e-09} ***	0.44 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

d. Submersion

Overview

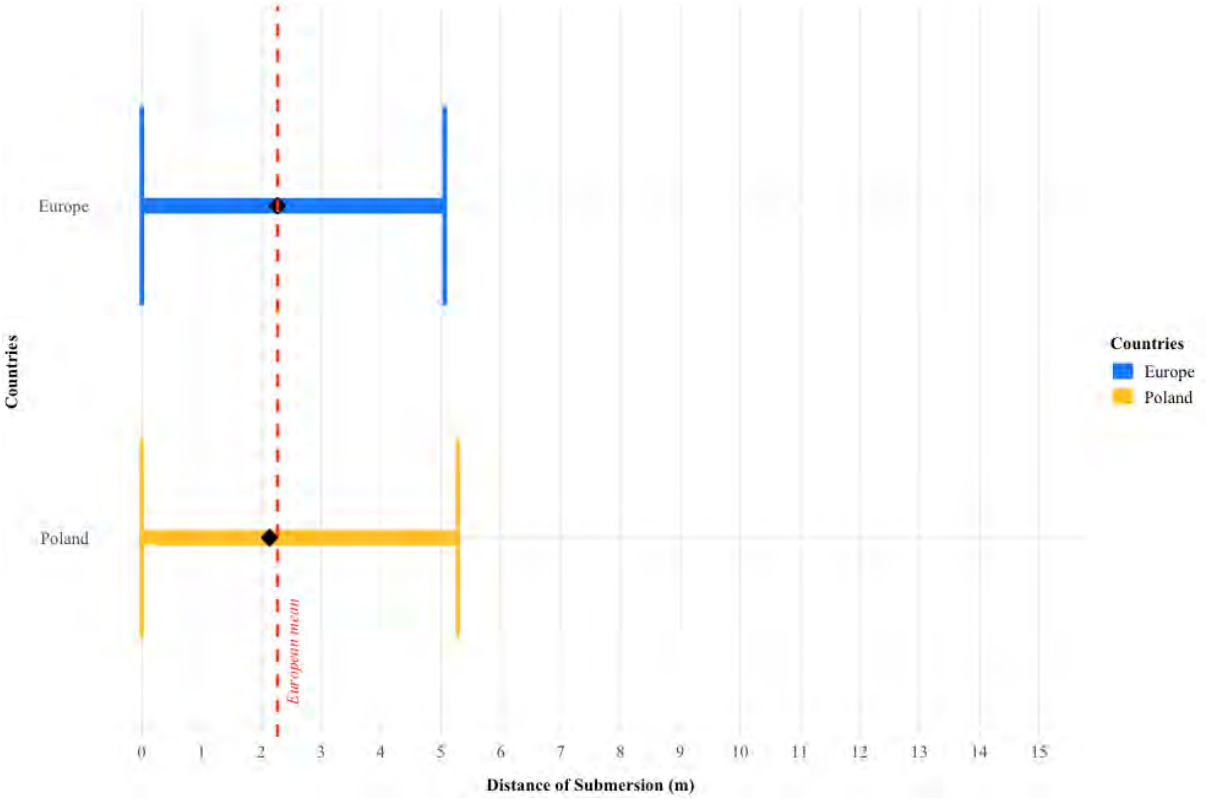


Figure 762. Distribution of the Submersion in Europe and in Poland (Mean±SD).

Table 1307. Comparative Analysis of the Submersion in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	245	2,243	0.009 **	0.1 [a]	0.32 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

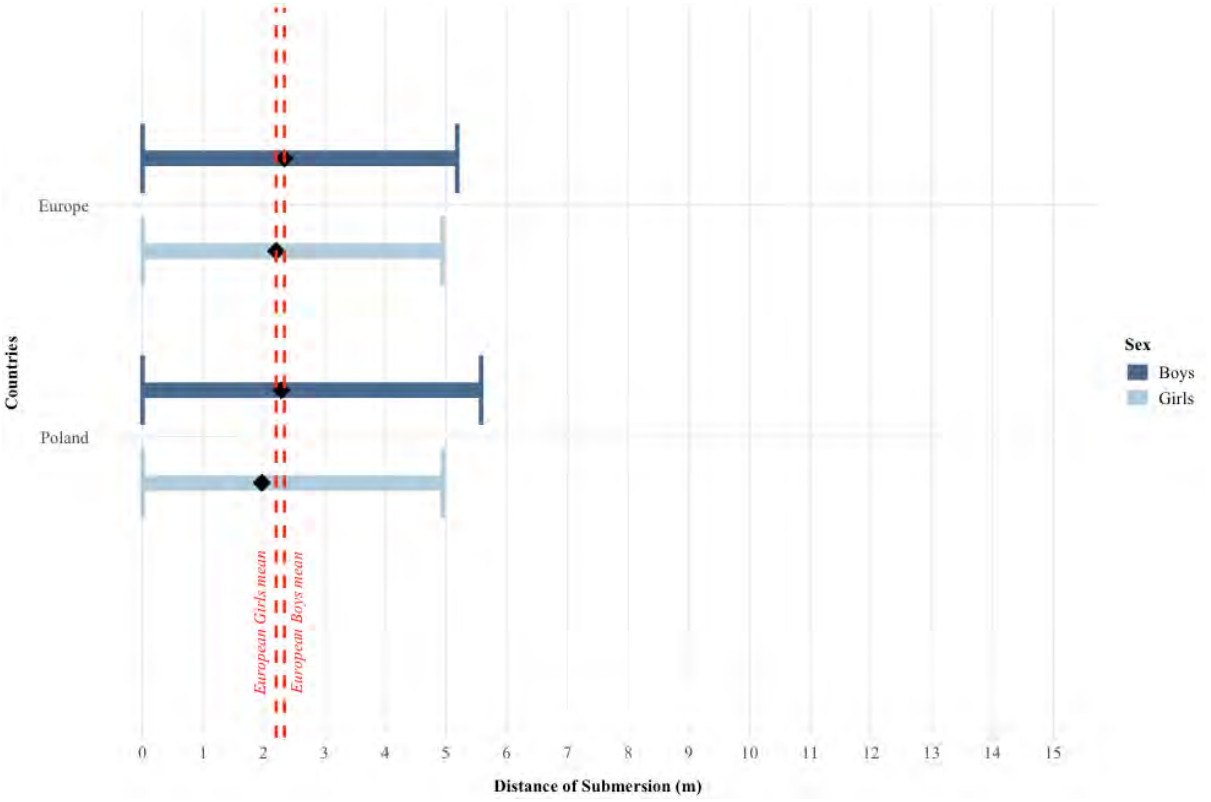


Figure 763. Distribution of the Submersion according to the Sex in Europe and in Poland (Mean±SD).

Table 1308. Comparative Analysis of the Submersion in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	Boys	130	1,126	0.11	0.04 [a]	0.16 [1]
	Girls	115	1,117	0.04 *	0.06 [a]	0.22 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1309. Comparative Analysis of the Submersion in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland	Boys *vs* Girls	130	115	0.48	0.04 [a]	0.1 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

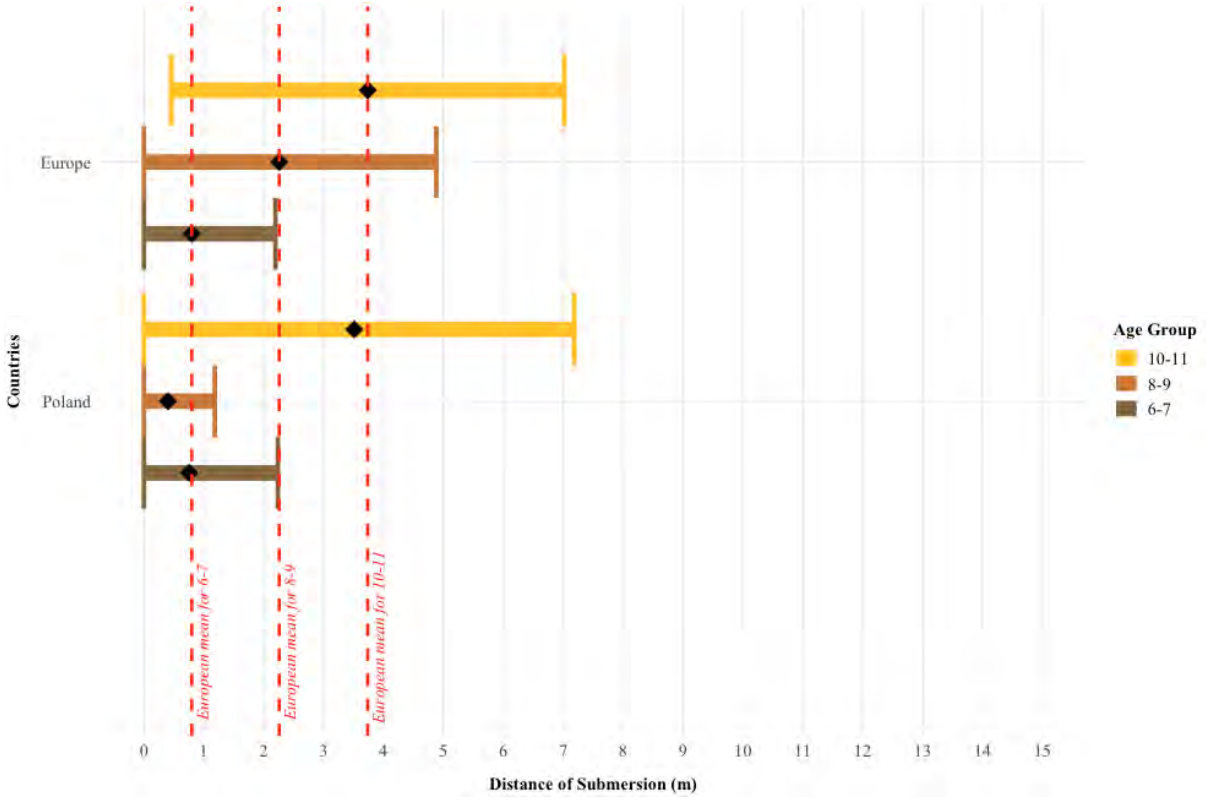


Figure 764. Distribution of the Submersion according to the Age Group in Europe and in Poland (Mean±SD).

Table 1310. Comparative Analysis of the Submersion in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	66	628	0.24	0.04 [a]	0.09 [1]
	8-9 yo	50	980	4.22^{e-10} ***	0.19 [a]	0.76 [2]
	10-11 yo	129	635	0.14	0.05 [a]	0.2 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1311. Comparative Analysis of the Submersion in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	66	50		0.5	0.05 [a]	0.08 [1]
	8-9 yo *vs* 10-11 yo		50	129	2.15^{e-10} ***	0.46 [b]	1 [4]
	6-7 yo *vs* 10-11 yo	66		129	9.64^{e-10} ***	0.42 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

e. Breathing

Overview

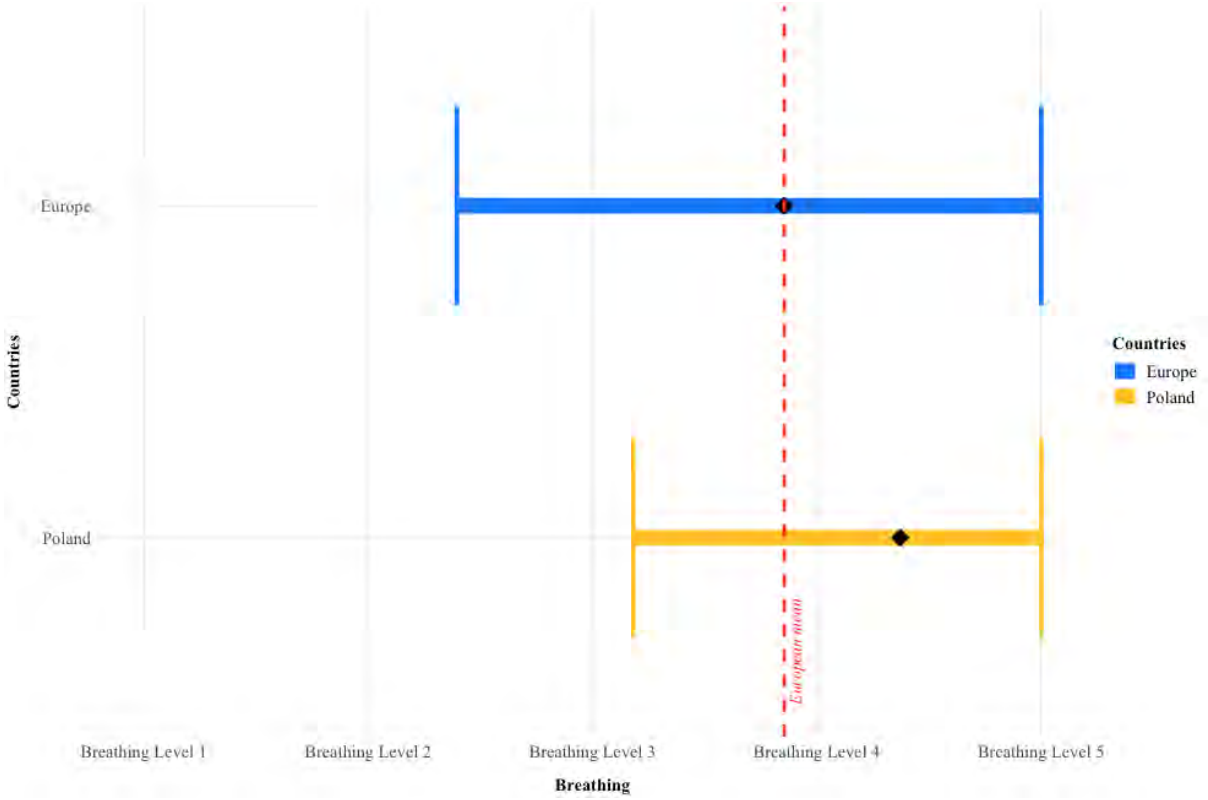


Figure 765. Distribution of the Breathing in Europe and in Poland (Mean±SD).

Table 1312. Comparative Analysis of the Breathing in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	221	2,097	2.03^{e-07} ***	0.19 [a]	0.79 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

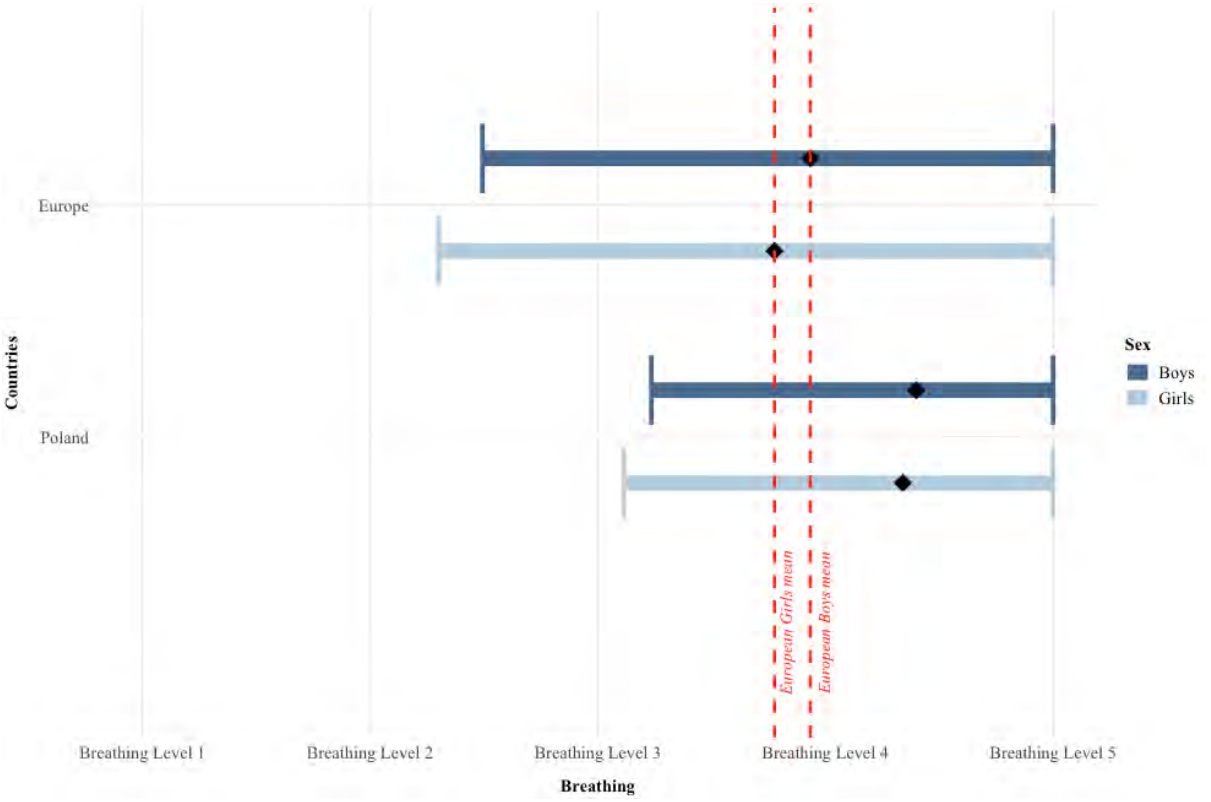


Figure 766. Distribution of the Breathing according to the Sex in Europe and in Poland (Mean±SD).

Table 1313. Comparative Analysis of the Breathing in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	Boys	118	1,048	5.2^{e-04} ***	0.09 [a]	0.46 [1]
	Girls	103	1,049	1.3^{e-04} ***	0.1 [a]	0.52 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1314. Comparative Analysis of the Breathing in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland	Boys *vs* Girls	118	108	0.73	0.02 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

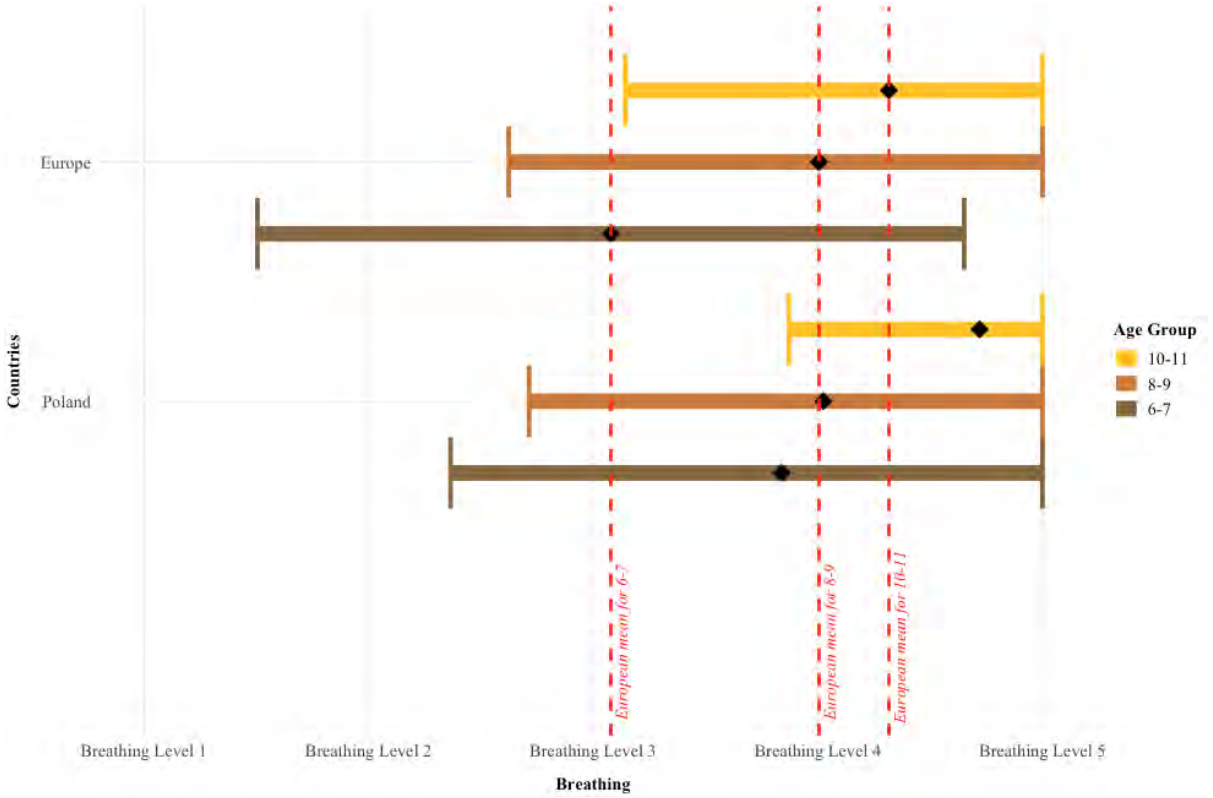


Figure 767. Distribution of the Breathing according to the Age Group in Europe and in Poland (Mean±SD).

Table 1315. Comparative Analysis of the Breathing in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* **Europe**	6-7 yo	56	548	9.11^{e-04} ***	0.13 [a]	0.47 [1]
	8-9 yo	40	933	0.96	0.001 [a]	0.05 [1]
	10-11 yo	125	616	4.86^{e-05} ***	0.12 [a]	0.67 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1316. Comparative Analysis of the Breathing in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	56	40		0.56	0.05 [a]	0.08 [1]
	8-9 yo *vs* 10-11 yo		40	125	3.97^{e-05} ***	0.22 [b]	0.71 [2]
	6-7 yo *vs* 10-11 yo	56		125	2.02^{e-07} ***	0.29 [b]	0.96 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

f. Treading water

Overview

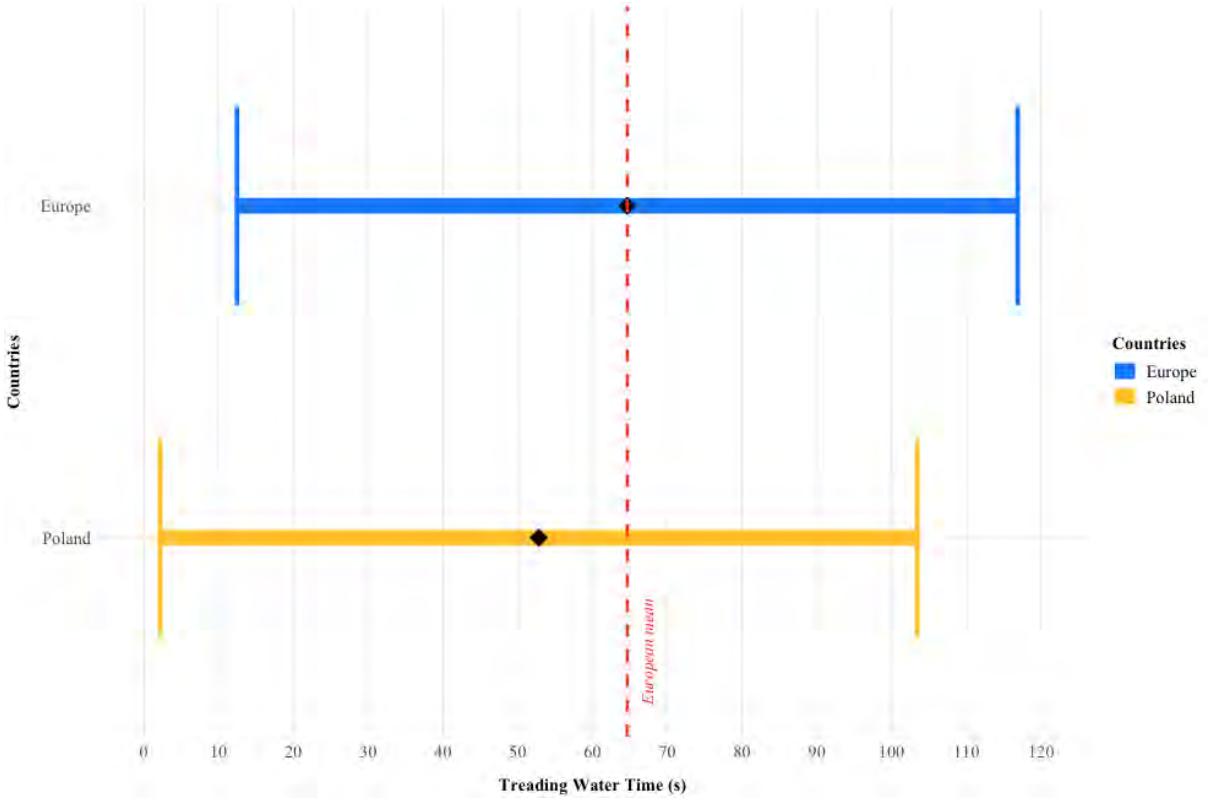


Figure 768. Distribution of the Treading Water in Europe and in Poland (Mean±SD).

Table 1317. Comparative Analysis of the Treading Water in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	244	2,260	0.004 **	0.11 [a]	0.37 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

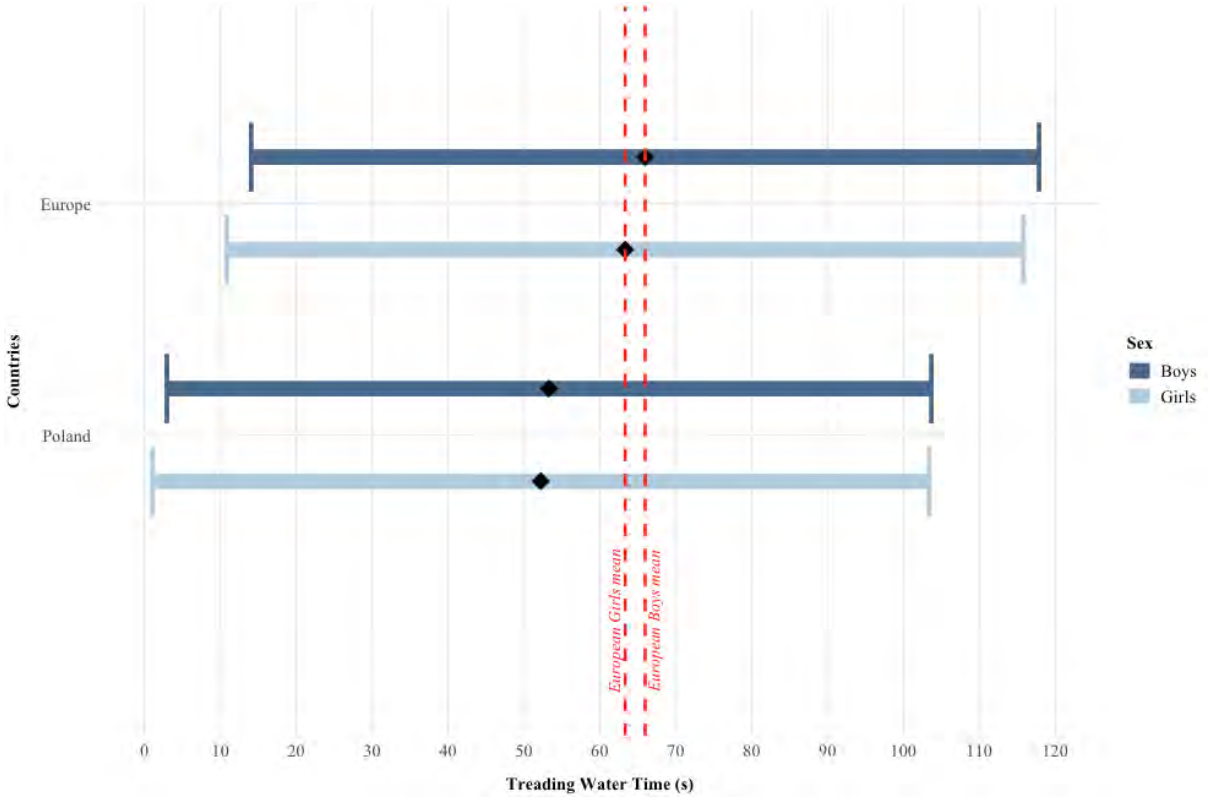


Figure 769. Distribution of the Treading Water according to the Sex in Europe and in Poland (Mean±SD).

Table 1318. Comparative Analysis of the Treading Water in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	Boys	130	1,135	0.02 *	0.06 [a]	0.26 [1]
	Girls	114	1,125	0.07	0.05 [a]	0.17 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1319. Comparative Analysis of the Treading Water in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	Boys *vs* Girls	130	114	0.8	0.02 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

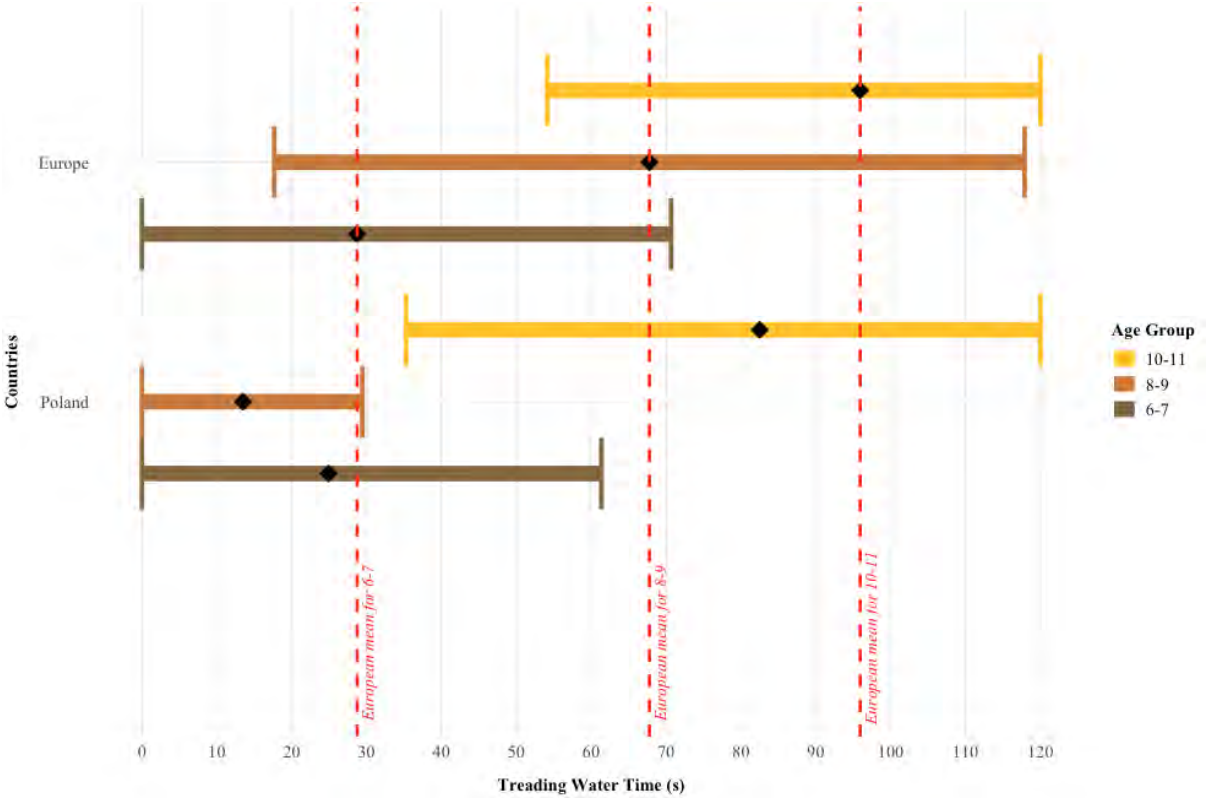


Figure 770. Distribution of the Treading Water according to the Age Group in Europe and in Poland (Mean±SD).

Table 1320. Comparative Analysis of the Treading Water in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	66	639	0.09	0.007 [a]	0.05 [1]
	8-9 yo	50	985	8.54^{e-14} ***	0.22 [b]	0.88 [3]
	10-11 yo	128	636	0.002 **	0.09 [a]	0.47 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1321. Comparative Analysis of the Treading Water in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	66	50		0.59	0.05 [a]	0.08 [1]
	8-9 yo *vs* 10-11 yo		50	128	1.41^{e-16} ***	0.59 [c]	1 [4]
	6-7 yo *vs* 10-11 yo	66		128	7.42^{e-15} ***	0.24 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

g. Floating

Overview

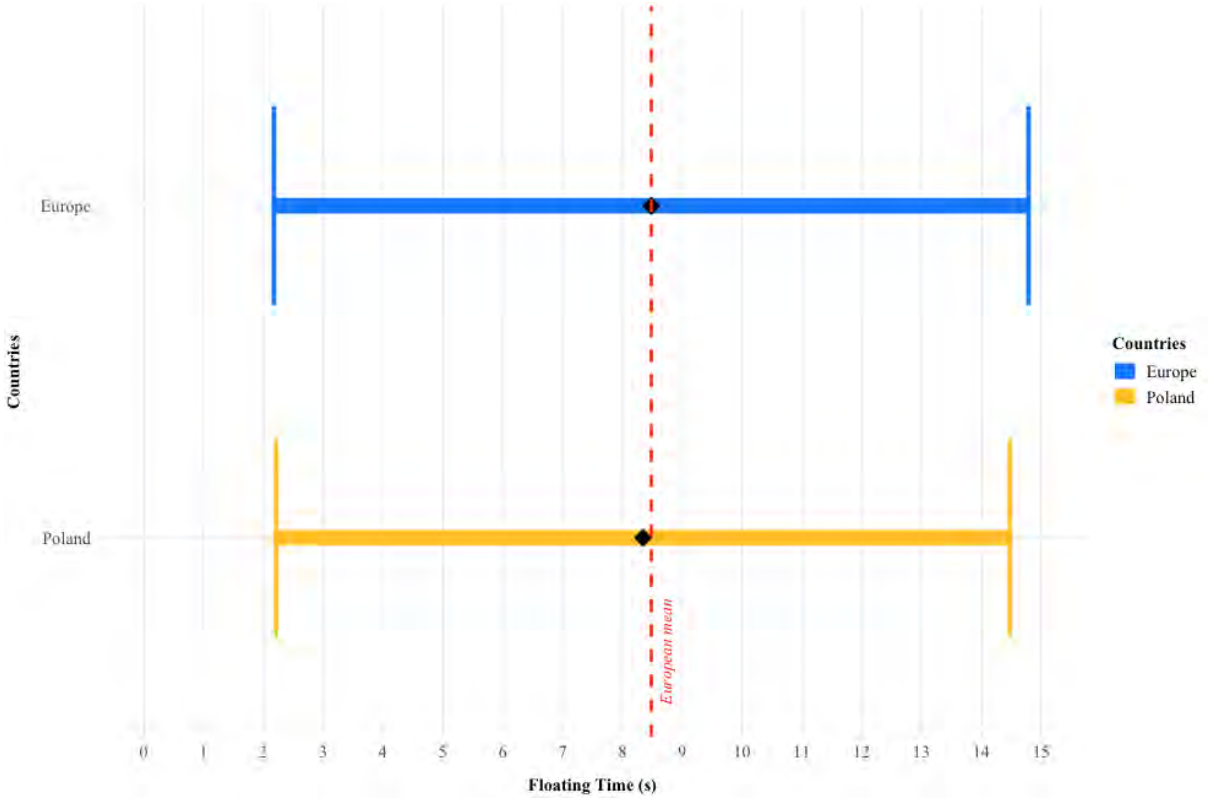


Figure 771. Distribution of the Floating in Europe and in Poland (Mean±SD).

Table 1322. Comparative Analysis of the Floating in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	227	2,255	0.01 **	0.1 [a]	0.28 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

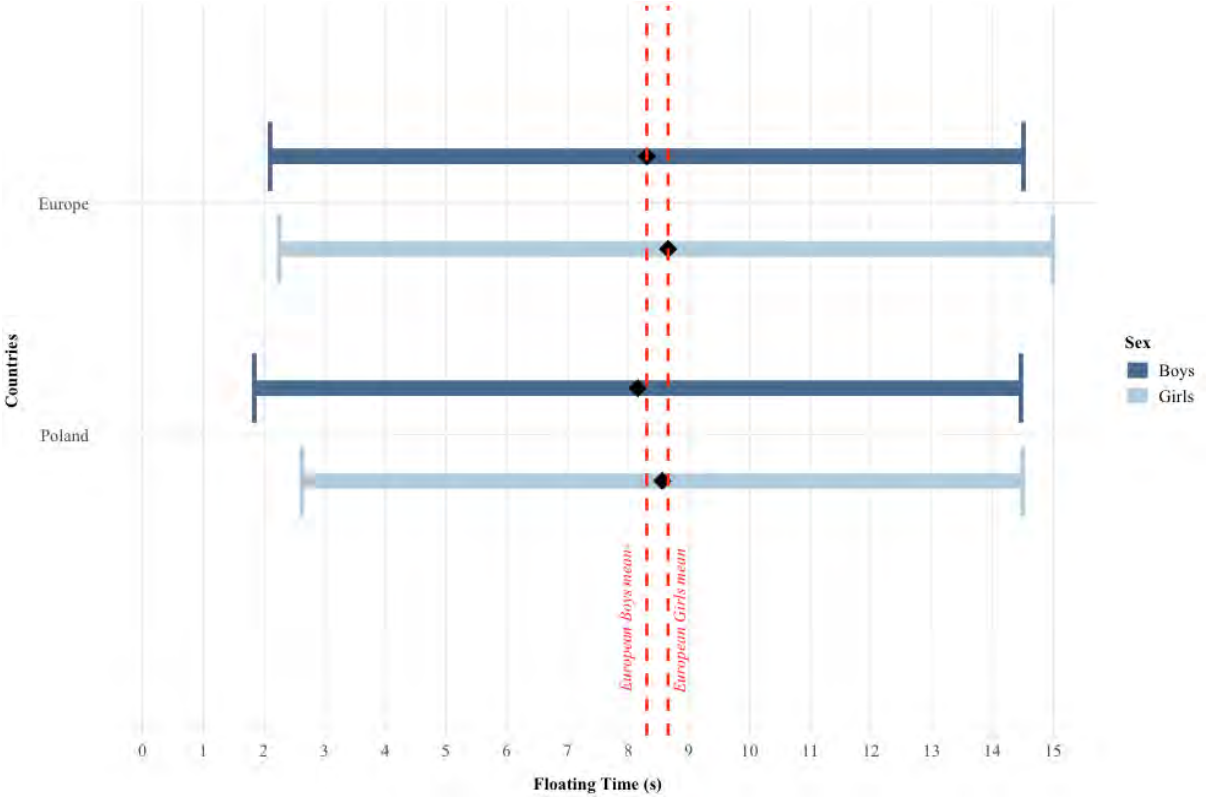


Figure 772. Distribution of the Floating according to the Sex in Europe and in Poland (Mean±SD).

Table 1323. Comparative Analysis of the Floating in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	Boys	122	1,129	0.08	0.05 [a]	0.17 [1]
	Girls	105	1,126	0.08	0.04 [a]	0.16 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1324. Comparative Analysis of the Floating in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	Boys *vs* Girls	122	105	0.64	0.03 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

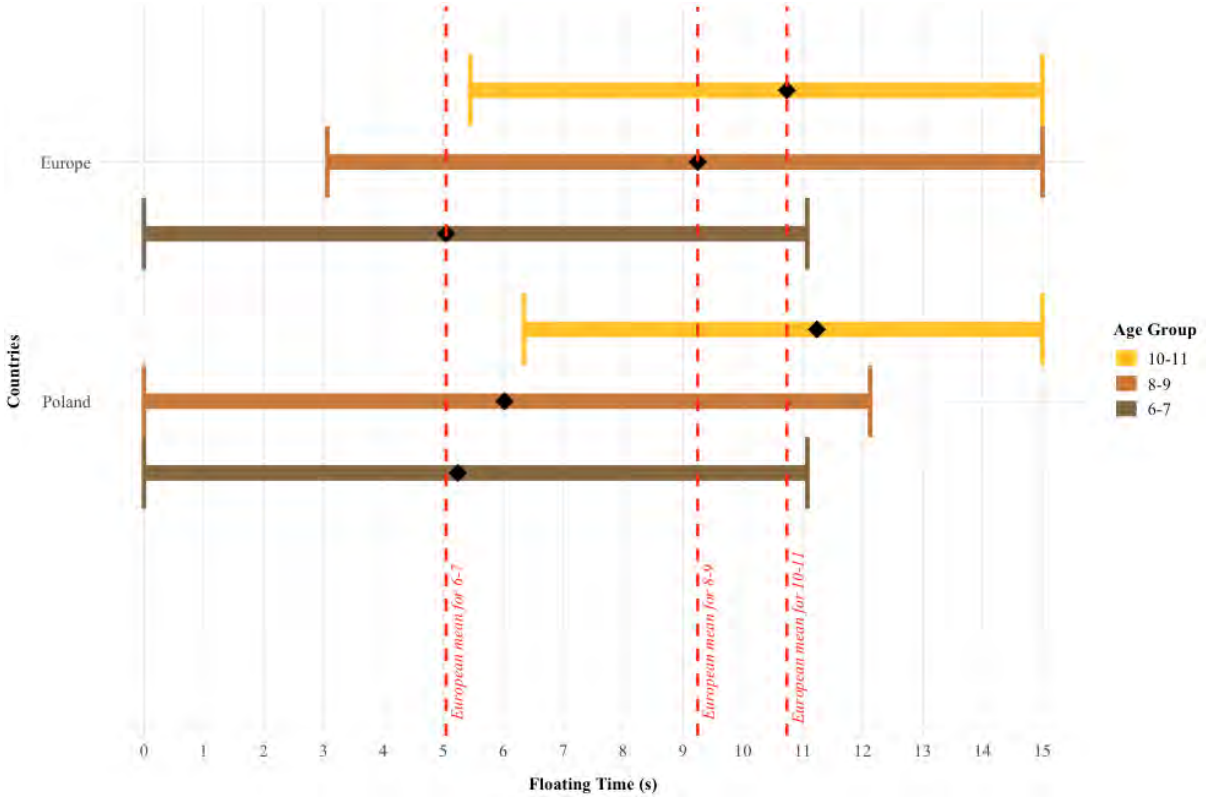


Figure 773. Distribution of the Floating according to the Age Group in Europe and in Poland (Mean±SD).

Table 1325. Comparative Analysis of the Floating in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	66	635	0.86	0.006 [a]	0.05 [1]
	8-9 yo	50	985	2.16^{e-06} ***	0.14 [a]	0.5 [2]
	10-11 yo	111	635	0.23	0.04 [a]	0.13 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1326. Comparative Analysis of the Floating in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	66	50		0.34	0.08 [a]	0.15 [1]
	8-9 yo *vs* 10-11 yo		50	111	5.43^{e-08} ***	0.42 [b]	1 [4]
	6-7 yo *vs* 10-11 yo	66		111	2.21^{e-11} ***	0.49 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

h. Rotations

Overview

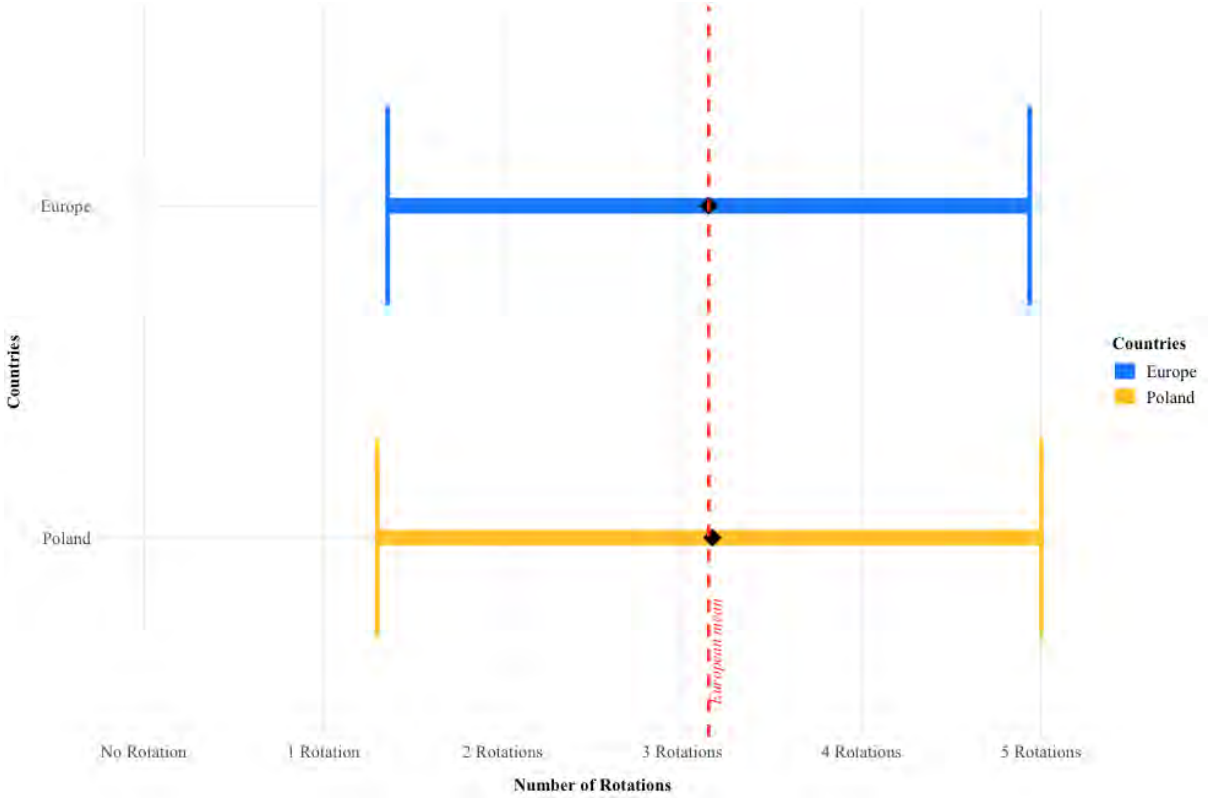


Figure 774. Distribution of the Rotations in Europe and in Poland (Mean±SD).

Table 1327. Comparative Analysis of the Rotations in Poland *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	245	1,735	0.6	0.02 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

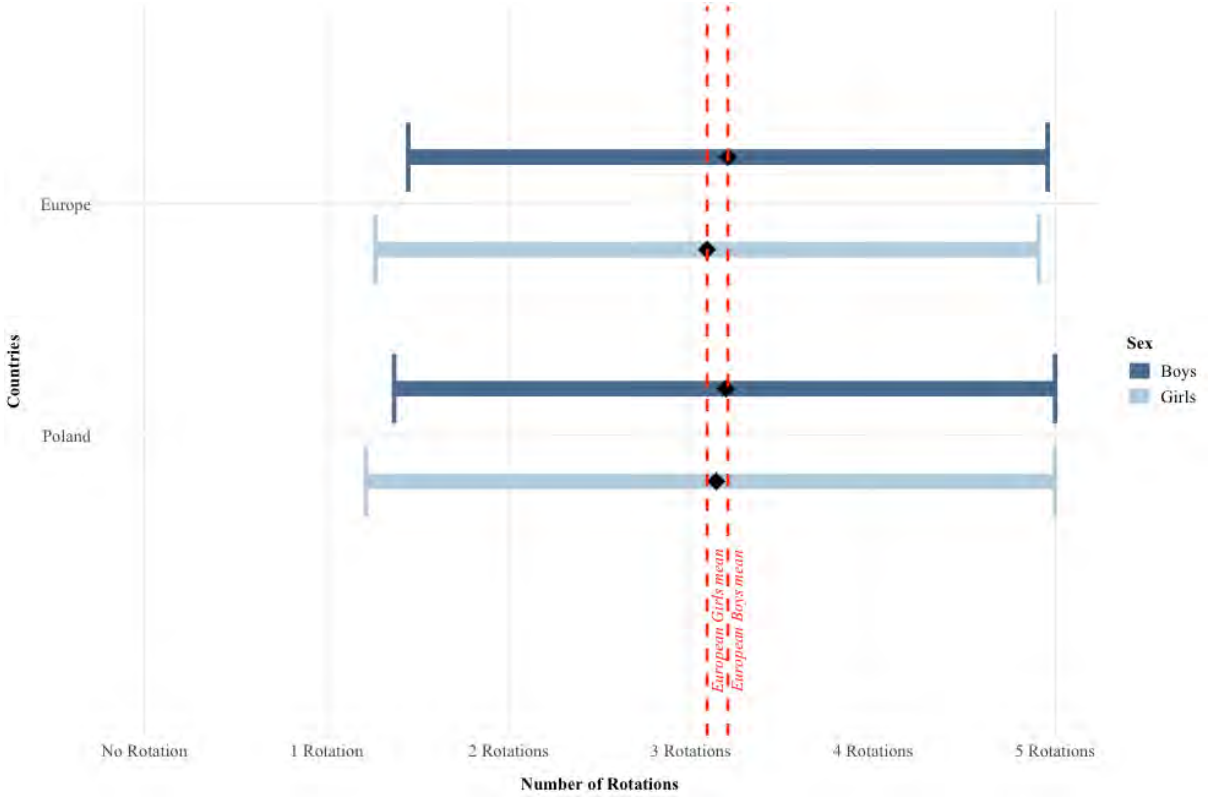


Figure 775. Distribution of the Rotations according to the Sex in Europe and in Poland (Mean±SD).

Table 1328. Comparative Analysis of the Rotations in Poland *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Poland)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland *vs* Europe	Boys	130	880	0.86	0.005 [a]	0.05 [1]
	Girls	115	855	0.59	0.02 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1329. Comparative Analysis of the Rotations in Poland according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Poland	Boys *vs* Girls	130	115	0.93	0.005 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

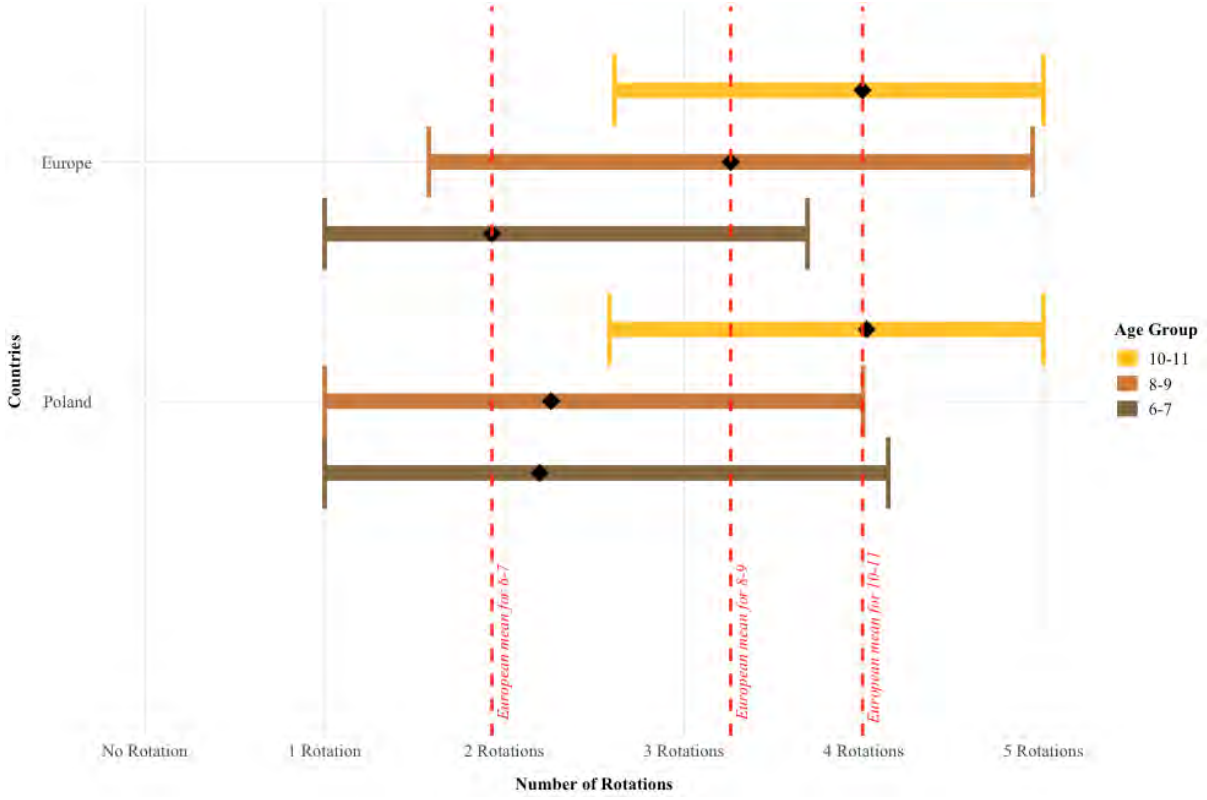


Figure 776. Distribution of the Rotations according to the Age Group in Europe and in Poland (Mean±SD).

Table 1330. Comparative Analysis of the Rotations in Poland *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Poland)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Poland *vs* Europe	6-7 yo	66	435	0.35	0.04 [a]	0.09 [1]
	8-9 yo	50	778	7.57^{e-05} ***	0.13 [a]	0.46 [1]
	10-11 yo	129	522	0.5	0.02 [a]	0.08 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1331. Comparative Analysis of the Rotations in Poland according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Poland	6-7 yo *vs* 8-9 yo	66	50		0.83	0.02 [a]	0.05 [1]
	8-9 yo *vs* 10-11 yo		50	129	7.94^{e-10} ***	0.43 [b]	1 [4]
	6-7 yo *vs* 10-11 yo	66		129	4.07^{e-10} ***	0.42 [b]	1 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

E. National Strengths and Weaknesses

a. General overview

Tests	Strengths	Weaknesses
Parental questionnaire	☑ Parental education ☑ Number of lessons taken out-of-school ☑ Do the parents "Can Swim"?	*NA*
Child questionnaire	☑ Perceived entry in the water ☑ Perceived exit from the water ☑ Perceived rotations ☑ Perceived treading water ☑ Enjoyment during swimming lessons out-of-school ☑ Enjoyment during swimming lessons out-of-school with friends ☑ Opportunities to do (more) swimming races	✗ Intrinsic motivation ✗ Enjoyment during swimming lessons at school ✗ Enjoyment during swimming lessons at school with friends ✗ Enjoyment while playing freely in the swimming pool ✗ Enjoyment while playing freely in the swimming pool with friends ✗ Opportunities to do (more) activity 1 ✗ Opportunities to do (more) activity 2 ✗ Opportunities to do (more) activity 3 ✗ Opportunities to do (more) activity 4 ✗ High risk in open water ✗ High risk in the swimming pool
Isolated tasks	*NA*	✗ Submersion ✗ Treading water ✗ Floating ✗ Breathing

b. Analyse by sex in Poland *vs* Europe

Tests	Strengths	Weaknesses
Parental questionnaire	✅ Number of lessons taken out-of-school (in Boys & Girls)	*NA*
Child questionnaire	✅ Perceived entry in the water (in Girls) ✅ Perceived exit from the water (in Girls) ✅ Perceived rotations (in Girls) ✅ Perceived treading water (in Boys) ✅ Perceived propulsion on the back (in Girls) ✅ Enjoyment during swimming lessons out-of-school (in Boys & Girls) ✅ Enjoyment during swimming lessons out-of-school with friends (in Boys & Girls) ✅ Opportunities to do (more) swimming races (in Boys & Girls) ✅ Opportunities to do (more) artistic swimming (in Boys)	❌ Identified motivation (in Girls) ❌ Enjoyment during swimming lessons at school (in Boys & Girls) ❌ Enjoyment during swimming lessons at school with friends (in Boys & Girls) ❌ Enjoyment while playing freely in the swimming pool (in Boys) ❌ Enjoyment while playing freely in the swimming pool with friends (in Boys & Girls) ❌ Opportunities to do (more) Water Polo (in Boys) ❌ Opportunities to do (more) artistic swimming (in Girls) ❌ Opportunities to do (more) diving (in Girls) ❌ Opportunities to do (more) activity 1 (in Boys & Girls) ❌ Opportunities to do (more) activity 2 (in Boys) ❌ Opportunities to do (more) activity 3 (in Boys & Girls) ❌ Opportunities to do (more) activity 4 (in Boys) ❌ High risk in the swimming pool (in Boys & Girls) ❌ High risk in open water (in Boys)
Isolated tasks	*NA*	❌ Submersion (In Girls) ❌ Breathing (In Boys & Girls) ❌ Treading water (In Boys)

c. Analyse by sex in Poland

Tests	Boys > Girls	Boys < Girls
Parental questionnaire	*NA*	*NA*
Child questionnaire	- Identified motivation	- Opportunities to do (more) artistic swimming
Isolated tasks	*NA*	*NA*

d. Analyse by age group in Poland *vs* Europe

Tests	Strengths	Weaknesses
Parental questionnaire	☑ Number of lessons taken out-of-school (in 6-7 & 10-11)	✗ Number of lessons taken at school (in 8-9 & 10-11)
Child questionnaire	☑ Perceived entry in the water (in 10-11) ☑ Perceived rotations (in 6-7 & 10-11) ☑ Perceived breathing (in 10-11) ☑ Perceived treading water (in 6-7 & 10-11) ☑ Perceived propulsion on the back (in 6-7) ☑ Perceived floating (in 10-11) ☑ Enjoyment during swimming lessons out-of-school (in 10-11) ☑ Enjoyment during swimming lessons out-of-school with friends (in 8-9 & 10-11) ☑ Opportunities to do (more) swimming races (in 10-11) ☑ Opportunities to do (more) diving (in 10-11) ☑ Low risk in the swimming pool (in 8-9)	✗ Intrinsic motivation (in 6-7) ✗ Identified motivation (in 6-7) ✗ Confidence in deep water (in 8-9) ✗ Perceived exit from the water (in 8-9) - Perceived propulsion on the back (in 8-9) ✗ Perceived propulsion on the belly (in 8-9) ✗ Perceived submersion (in 8-9) ✗ Enjoyment during swimming lessons at school (in 6-7 & 8-9) ✗ Enjoyment during swimming lessons at school with friends (in 6-7 & 8-9) ✗ Enjoyment while playing freely in the swimming pool (in 6-7 & 10-11) ✗ Enjoyment while playing freely in the swimming pool with friends (in 6-7 & 10-11) ✗ Enjoyment while playing freely in the swimming pool with family (in 6-7) ✗ Opportunities to do (more) Water Polo (in 8-9 & 10-11) ✗ Opportunities to do (more) activity 1 (in 8-9 & 10-11) ✗ Opportunities to do (more) activity 2 (in 8-9) ✗ Opportunities to do (more) activity 3 (in 8-9 & 10-11) ✗ Opportunities to do (more) activity 4 (in 8-9) ✗ Low risk in the swimming pool (in 10-11) ✗ High risk in the swimming pool (in all age groups) ✗ High risk in open water (in 8-9 & 10-11)
Isolated tasks	☑ Entry (in 6-7) ☑ Breathing (in 6-7 & 10-11)	✗ Entry (in 8-9) ✗ Exit (in 8-9) ✗ Propulsion on the belly (in 8-9 & 10-11) ✗ Propulsion on the back (in 8-9 & 10-11) ✗ Submersion (in 8-9) ✗ Treading water (in 8-9 & 10-11) ✗ Floating (in 8-9)

		✕ Rotations (in 8-9)

e. Analyse by age group in Poland

Tests	Positive evolution	Negative evolution	Neutral evolution	Chaotic evolution
Parental questionnaire	*NA*	↘ ➡ Number of swimming lessons out-of-school	➡ Parental education ➡ Does the parents "Can Swim"?	Number of swimming lessons taken at school
Child questionnaire	↗ Identified motivation ➡ ↗ Perceived treading water ➡ ↗ Perceived propulsion on the back ➡ ↗ Perceived propulsion on the belly ↗ Enjoyment during swimming lessons out-of-school with friends ↗ ➡ Enjoyment while playing freely in the swimming pool with family ↗ Opportunities to do (more) swimming races ➡ ↗ Opportunities to do (more) activity 2	*NA*	➡ Perceived breathing ➡ Enjoyment while playing freely in the swimming pool ➡ Enjoyment while playing freely in the swimming pool with friends ➡ Opportunities to do (more) Water Polo ➡ Opportunities to do (more) artistic swimming ➡ Opportunities to do (more) diving ➡ Opportunities to do (more) activity 1 ➡ Opportunities to do (more) activity 3 ➡ Opportunities to do (more) activity 4 ➡ High risk in the swimming pool ➡ High risk in open water	Intrinsic motivation Confidence in deep water Perceived entry in the water Perceived exit from the water Perceived rotations Perceived submersion Perceived floating Enjoyment during swimming lessons at school Enjoyment during swimming lessons at school with friends Low risk in the swimming pool
Isolated tasks	*NA*	*NA*	*NA*	Entry in the water Exit from the water Propulsion on the belly Propulsion on the back Submersion Breathing Treading water Floating Rotation

F. Recommendations

a. Curriculum management

1. **Raising motivation and engagement in activities in and around the water as a result of fostering enjoyment during swimming lessons, with particular emphasis on younger children and girls:**

- Keep the raising trend motivation for water activities with ages and modify programs to make swimming lessons more attractive by taking into account the alternative forms of swimming expected by children. The program should reflect the preferences of children of different ages and sexes while offering a variety of choices.

Compared with other European countries, in the younger group (ages 6–7), a lack of enjoyment was observed in all pool activities, including those with friends or family, as well as during swimming lessons. The same applies to the 8–9 age group. Children aged 10–11 reported a lack of enjoyment in water activities with family. It is worth noting that in Polish children, the clear need for alternative activities in pools and open water does not change significantly with age. While children in all age groups report enjoyment of any pool activity, a worrying trend has been observed — with age, enjoyment increases not from school lessons but from out-of-school swimming classes.

- to make swimming lessons more attractive by taking into account the alternative forms of swimming expected by children. The program should reflect the preferences of children of different ages and sexes while offering a variety of choices.

In the younger group (ages 6–7), a lack of enjoyment was observed in all pool activities, including those with friends or family, as well as during swimming lessons. The same applies to the 8–9 age group. Children aged 10–11 reported a lack of enjoyment in water activities with family.

- Introduction of attractive, child-expected alternative forms of activity in open water into the program (in the form of additional extracurricular classes) to stimulate children's intrinsic motivation to acquire water competencies.

2. **Reducing diagnosed deficits in the area of skills and supporting their accurate self-assessment serving the development of self-confidence, particularly in the case of younger children (Motor & Psycho-social domain):**

Together with serious deficits in traditionally taught basic skills, such as breathing (boys and girls aged 6–12), immersion (girls aged 6–11), breaststroke, and backstroke (boys and girls aged 8–11), there is a need for water literacy skills to be included in the program. The program should also include water literacy skills (entering/exiting, treading water, floating, and rotations), especially for the 8–9 age group. As a result of their lack of skills, children lack confidence, especially in deeper water. This is clearly visible in the 8–9 age group. A positive

safety-related trend is the low self-assessment of exit, swimming on the front/back, and submersion in this group.

3. **Increasing the number of lessons in teaching programs, including additional remedial classes, especially for younger groups.**

According to the parents' opinion, the number of swimming lessons is too low for the 8–9 and 10–11 age groups. This is confirmed by the reported need for additional classes in both groups. Significantly, among Polish parents, the declared need for additional lessons disappears once their children are above the age of 8–9.

b. Timetable

Eight to nine years old: a critical period in the educational process.

Alarming results were recorded for this age group:

- Lack of enjoyment of swimming lessons.
- Low motivation to participate in pool activities.
- Lack of confidence in deep water, which affects low self-esteem
- Skill deficits in entering/exiting, propulsion (front and back), submersion, treading water, floating, and rotations.

It is worth highlighting that among Polish children above this age, positive signs of further educational development emerge in the form of increased need for activity and greater accuracy in self-assessment.

Recommendations:

1. **Increase the number and frequency of lessons based on the expressed need for additional classes by children and parents.**

A greater number of classes is suggested to compensate for the diagnosed skill deficits and increase motivation. Lessons should be shorter but more frequent to maintain the children's attention and positive attitude.

2. **Organisation and content of lessons.**

- Regular practice of deficient skills and separate blocks of alternative activities should be incorporated, taking into account the balance between repetition and variety, as well as an emphasis on building self-confidence. Organisation of additional classes for children with the greatest skill deficits in smaller groups conducive to individualised learning and teaching.

- Organisation of additional classes for students with the greatest skill deficits in smaller groups conducive to an individualised learning and teaching process.

c. Localisation and equipment

NA.

d. Staff

Improve primary school educators in teaching "Aquatic literacy, defined by motor (skills), psychosocial (motivation, etc.) and cognitive domains (knowledge, awareness, etc.). The issue of risk perception and assessment also comes to the fore here.

e. Assessment

Introduce an assessment of swimming teachers/instructors according to the above-mentioned criteria.

1. The level of students' skills, together with their knowledge, awareness, and other components of cognitive domain education. (verified by third parties).
2. Their ability to motivate children, engage them in activities, and consequently inspire enjoyment in swimming lessons (based on a survey completed by the children).

f. Contents

1. Education on safety in and around water and risk awareness:

The curriculum should include educational modules on safety, focusing primarily on risk perception and assessment in both swimming pools and open water. These modules should combine theory and practice (e.g., simulations of dangerous situations).

- Among Polish children, regardless of age, a low awareness of risks in open water was observed. No dominant trend was identified in changes in risk awareness in pools with age. These results went hand in hand with a lack of confidence in deep water and no progressive trend in the development of reliable self-assessment of most isolated skills.

2. Skill Deficits:

Curriculum content must include systematic training in traditionally taught skills for all age groups, including breathing (boys and girls, ages 6–12), immersion (girls, ages 6–11), breaststroke and backstroke (girls, ages 8–11). At the same time, the programs should include water literacy skills (entering/exiting, treading water, floating, rotations) —especially in the 8-9 age group.

3. **Enjoyment of activities in and around water; motivation; and engagement in the learning process:**

The curriculum should include alternative teaching methods that go beyond strictly teaching swimming skills. It should be organised to include systematic practice of deficient skills and provide alternative activities, such as games, play, competition, cooperation, creative activities, and problem solving, to maintain interest and counteract a decline in motivation. In Poland, given the lack of evident progression in the development of isolated skills with age, curriculum modifications should be profound, with the proportions of both types of activities carefully adjusted to children's current needs (e.g., as children grow older, their need to participate in competitive forms of activity increases).

4. **Psycho-social domain:**

The program should include content that reinforces reliable self-assessment and a sense of competence and self-confidence, among other things. This can be done by gradually introducing children to new challenges, specific roles, group cooperation, and responsibility for themselves and others. Problems in this area have primarily been diagnosed in the 8-9 age group.

Program content must consider all of the aforementioned requirements, taking gender and age differences into account.

General Conclusion:

The analysis of the results reveals a clear chain of cause-and-effect relationships pointing to weaknesses in Poland's swimming teaching system. A lack of enjoyment in lessons, likely stemming from a lack of variety in activities, decreases the lessons' attractiveness and consequently, motivation. Low motivation leads to limited engagement in learning, generating skill level deficits and, consequently, a lack of confidence in children. These factors are not conducive to an effective educational process. Probably there are the reasons, that Polish children showed greater enjoyment of swimming lessons outside of school than during school lessons. Additionally, it appears that the swimming education system does not address risk perception and assessment in swimming pools or open water, particularly among boys. Beyond the recommendation to increase the number of lesson hours, these findings suggest directions for corrections in the structure and content of the swimming education system in Poland.

CHAPTER 9. Aquatic Literacy level in Portugal

A. Representative sample of the country

Portuguese cities participating in the study

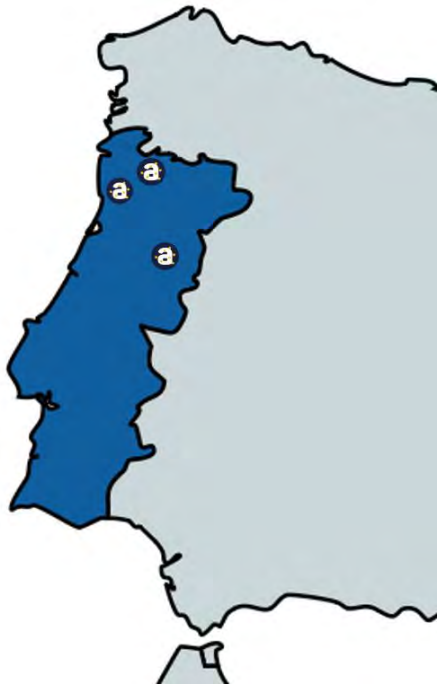


Figure 777. Portuguese cities participating in the study.

Figure 777 presents the Portuguese cities that took part in the study. Three cities participated: Porto, Fafe and Fundão.

Rounded numbers

Table 1332. Number of participants for each part of the test in Portugal and in Europe.

	Parental questionnaire *n*=	**Child questionnaire** *n*=	**Isolated tasks test** *n*=
Portugal	349	291	229
Europe	2,788	2,725	2,302
Total	**3,137**	**3,016**	**2,531**

Notes. Europe represents the other countries participating in the study (i.e., Portugal, Germany, Lithuania, Norway, Poland and Portugal).

Table 1332 presents the number of respondents for each part of the test.

Samples

Table 1333. Representativity of the sample according to the sex and the age group in each part of the test for the Portuguese sample.

		Parental questionnaire *n= (%)*	**Child questionnaire** *n= (%)*	**Isolated tasks test** *n= (%)*
Sex	**Boys**	181	150	119
	Girls	168	141	110
Age group	**6-7 yo**	129	94	76
	8-9 yo	184	161	127
	10-12 yo	69	36	26

Notes. *yo=year-olds*

Table 1334. Representativity of the sample according to the sex and the age group in each part of the test for the European sample.

		Parental questionnaire *n= (%)*	**Child questionnaire** *n= (%)*	**Isolated tasks test** *n= (%)*
Sex	**Boys**	1,400	1,368	1,161
	Girls	1,388	1,357	1,141
Age group	**6-7 yo**	851	820	645
	8-9 yo	1,058	1,041	916
	10-12 yo	879	864	741

Notes. *yo=year-olds*

Table 1333 presents the representative Portuguese sample according to the sex and the age group in each part of the test, and **Table 1334** the European representative sample.

B. Parental questionnaire

Descriptive statistics

Table 1335. Number of caregivers answering to the different question of the questionnaire.

Country	Sex	Age group	Parental education (n=)	Number of lessons at school (n=)	Number of lessons out of school (n=)	Do parents can swim? (n=)
Europe	Boys	6-7	371	345	360	390
		8-9	514	474	505	570
		10-11	408	354	384	428
	Girls	6-7	412	406	415	453
		8-9	435	420	430	480
		10-11	413	361	393	442
Portugal	Boys	6-7	69	67	67	71
		8-9	84	78	82	86
		10-11	23	22	19	23
	Girls	6-7	58	51	56	58
		8-9	94	80	88	97
		10-11	13	13	13	13
Total			**2,894**	**2,671**	**2,812**	**3,111**

Notes. Europe: Belgium, France, Germany, Lithuania, Norway and Poland.

Table 1336. Descriptive analyse of the parental questionnaire.

Country	Sex	Age group	Parental education Mean (±SD)	Number of lessons at school Mean (±SD)	Number of lessons out-of-school Mean (±SD)	Do parents can swim? Mean (±SD)
Europe	Boys	6-7	4.52 (±0.96)	1.77 (±1.28)	2.29 (±1.57)	1.45 (±0.68)
		8-9	4.44 (±0.94)	2.85 (±1.51)	2.51 (±1.68)	1.42 (±0.7)
		10-11	4.52 (±0.91)	3.44 (±1.58)	2.99 (±1.71)	1.5 (±0.63)
	Girls	6-7	4.5 (±0.9)	1.88 (±1.3)	2.38 (±1.7)	1.4 (±0.72)
		8-9	4.43 (±0.99)	2.71 (±1.5)	2.48 (±1.69)	1.45 (±0.67)
		10-11	4.38 (±1.04)	3.58 (±1.54)	3 (±1.75)	1.51 (±0.63)
Portugal	Boys	6-7	4.6 (±0.82)	1.33 (±0.95)	3.26 (±1.81)	1.16 (±0.67)
		8-9	4.45 (±0.93)	1.31 (±1.02)	3.53 (±1.71)	1.19 (±0.61)
		10-11	3.87 (±1.02)	1.78 (±1.48)	3.85 (±1.58)	1.05 (±0.71)
	Girls	6-7	4.44 (±0.94)	1.28 (±0.99)	3.27 (±1.78)	1.18 (±0.54)
		8-9	4.37 (±1.02)	1.37 (±1.09)	3.48 (±1.84)	1.18 (±0.71)
		10-11	4.24 (±1.02)	2.16 (±1.82)	4.08 (±1.76)	1.47 (±0.78)

Notes. Europe: Belgium, France, Germany, Lithuania, Norway and Poland.

g. Parental Education

Overview

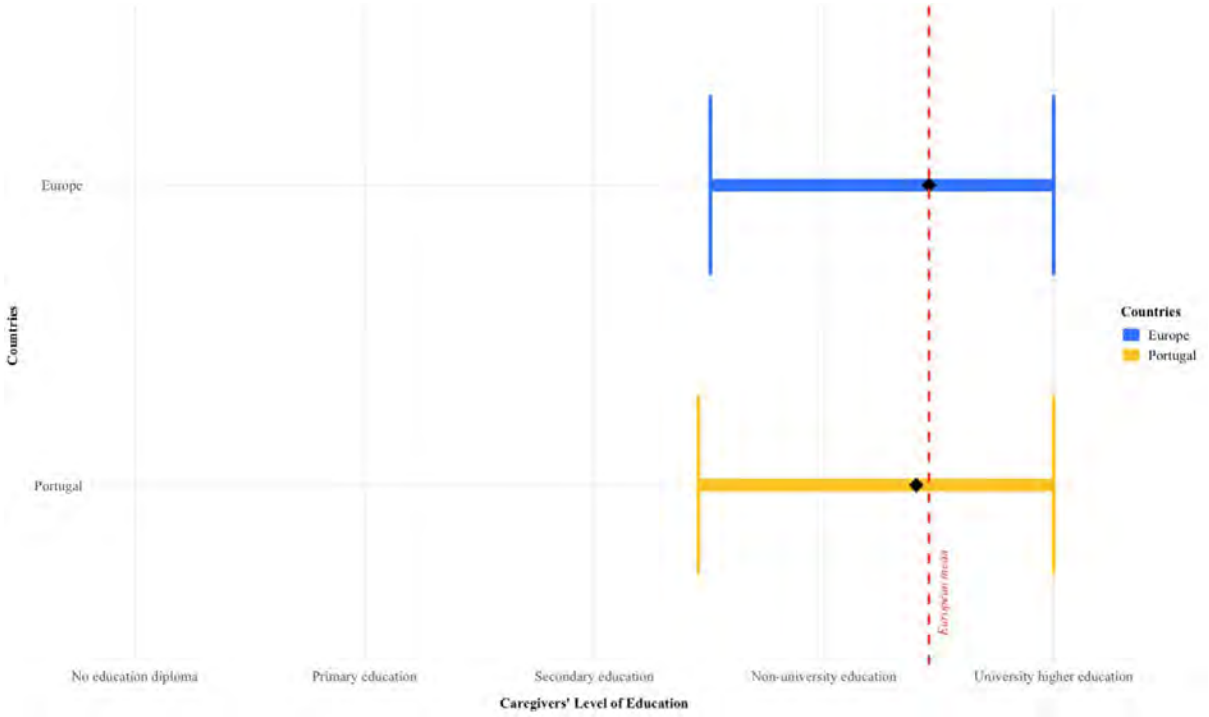


Figure 778. Distribution of the Caregivers' Level of Education in Europe and in Portugal (Mean±SD).

Table 1337. Comparative Analysis of Caregivers' Level of Education in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* **Europe**	341	2,553	0.73	0.01 [a]	0.05 [a]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

h. Number of lessons in school

Overview

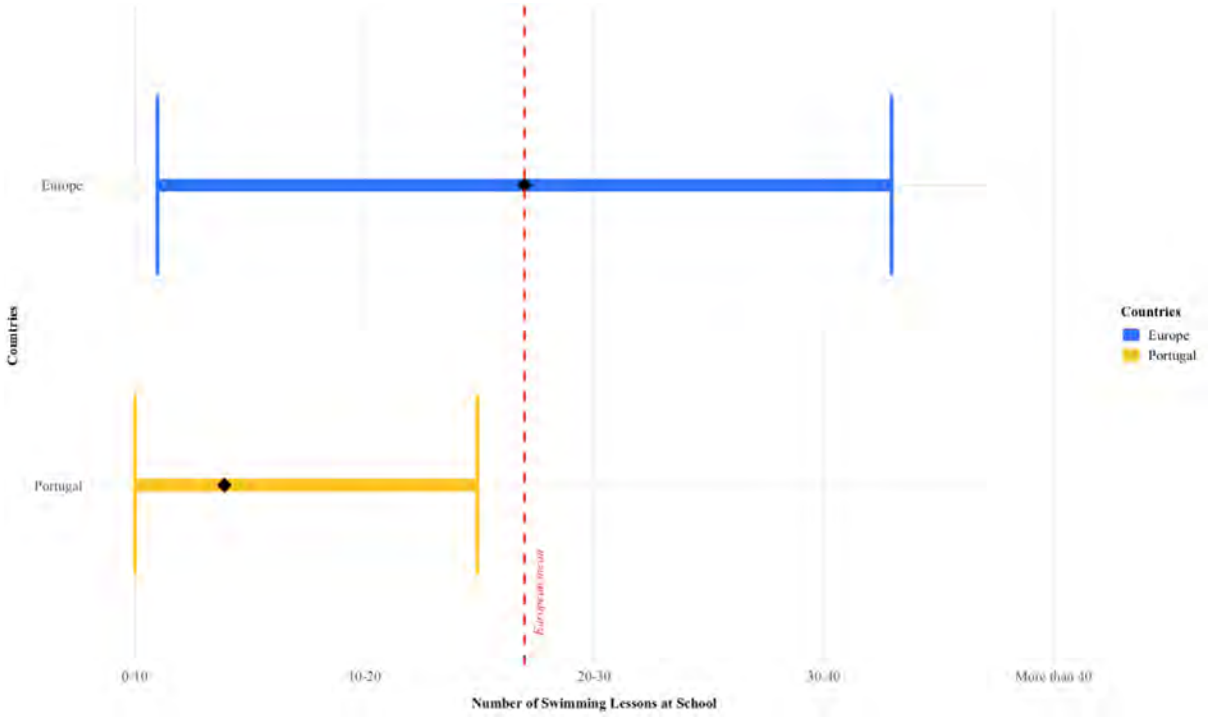


Figure 779. Distribution of the the Number of Lessons at School in Europe and in Portugal (Mean±SD).

Table 1338. Comparative Analysis of the Number of Lessons at School in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	311	2,360	8.7^{e-52} ***	0.58 [c]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

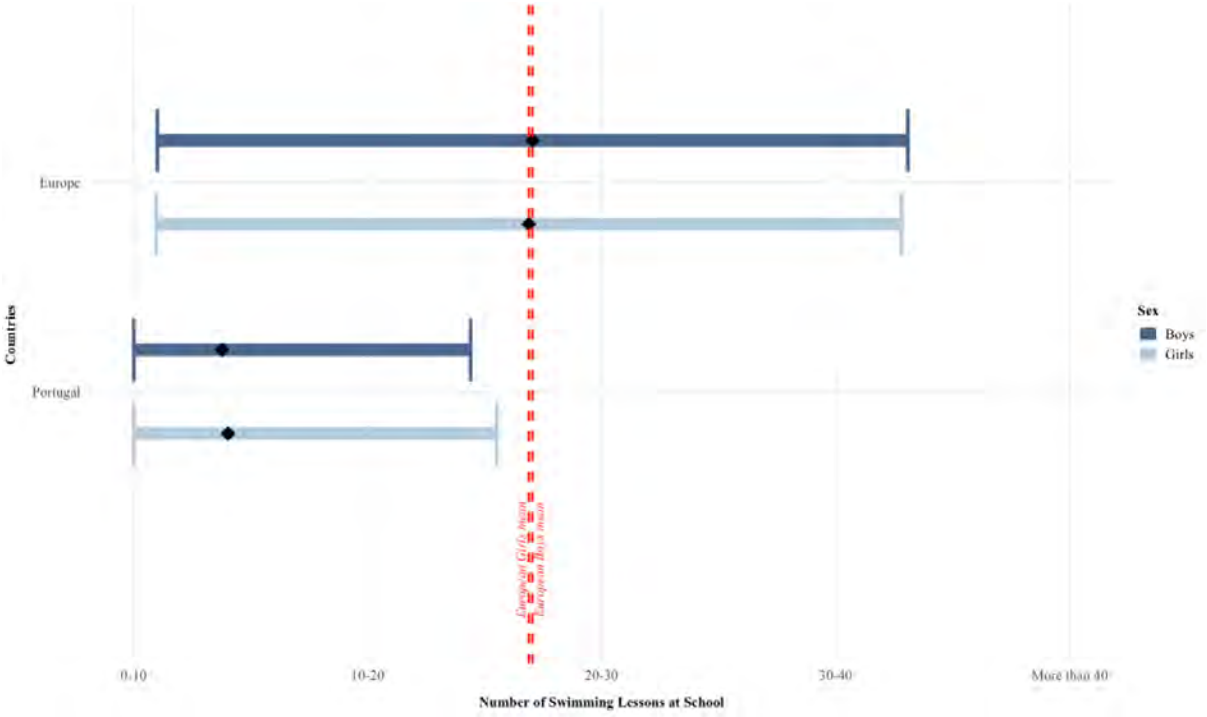


Figure 780. Distribution of the the Number of Lessons at School according to the Sex in Europe and in Portugal (Mean±SD).

Table 1339. Comparative Analysis of the Number of Lessons at School in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	Boys	167	1,173	1^{e-28} ***	0.29 [b]	1 [4]
	Girls	144	1,187	9.87^{e-25} ***	0.27 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1340. Comparative Analysis of the Number of Lessons at School in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal	Boys *vs* Girls	167	144	0.93	0.003 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

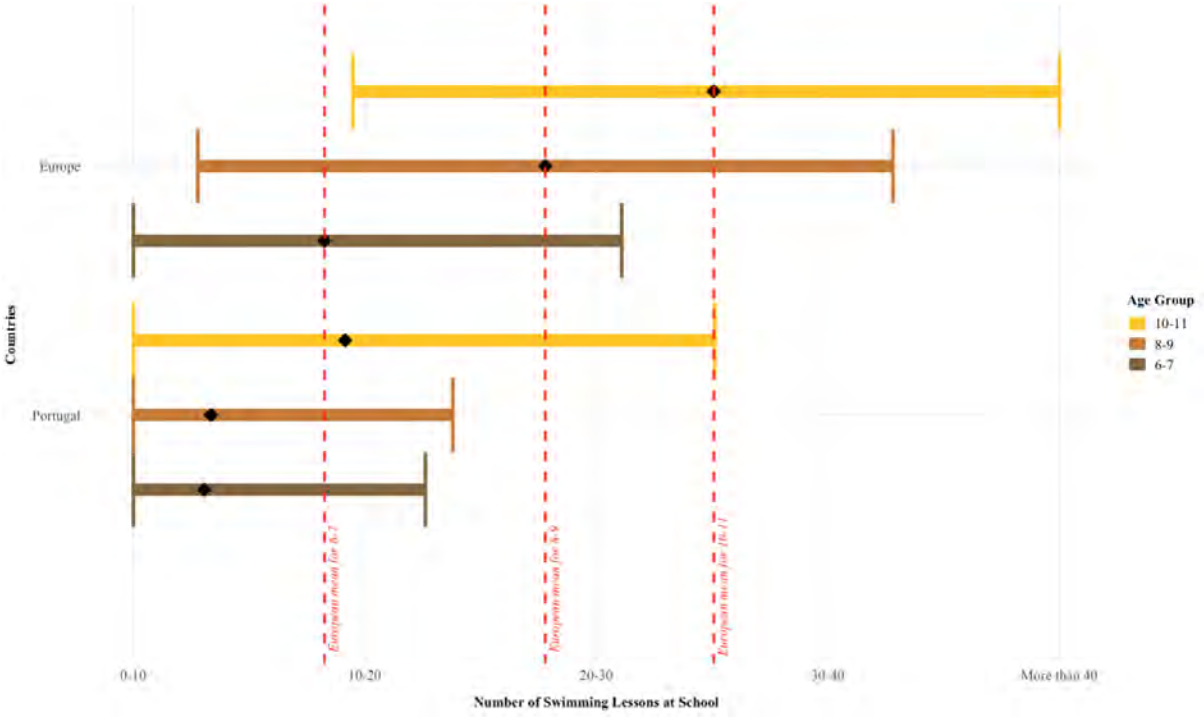


Figure 781. Distribution of the the Number of Lessons at School according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1341. Comparative Analysis of the Number of Lessons at School in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	118	751	7.94^{e-08} ***	0.15 [a]	0.88 [3]
	8-9 yo	158	894	4.91^{e-35} ***	0.37 [b]	1 [4]
	10-11 yo	35	715	4.21^{e-08} ***	0.19 [a]	0.61 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1342. Comparative Analysis of the Number of Lessons at School in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	118	158		0.99	3.7^{e-04} [a]	0.05 [1]
	8-9 yo *vs* 10-11 yo		158	35	0.006 **	0.12 [a]	0.24 [1]
	6-7 yo *vs* 10-11 yo	118		35	0.008 **	0.13 [a]	0.28 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

i. Number of lessons out-of-school

Overview

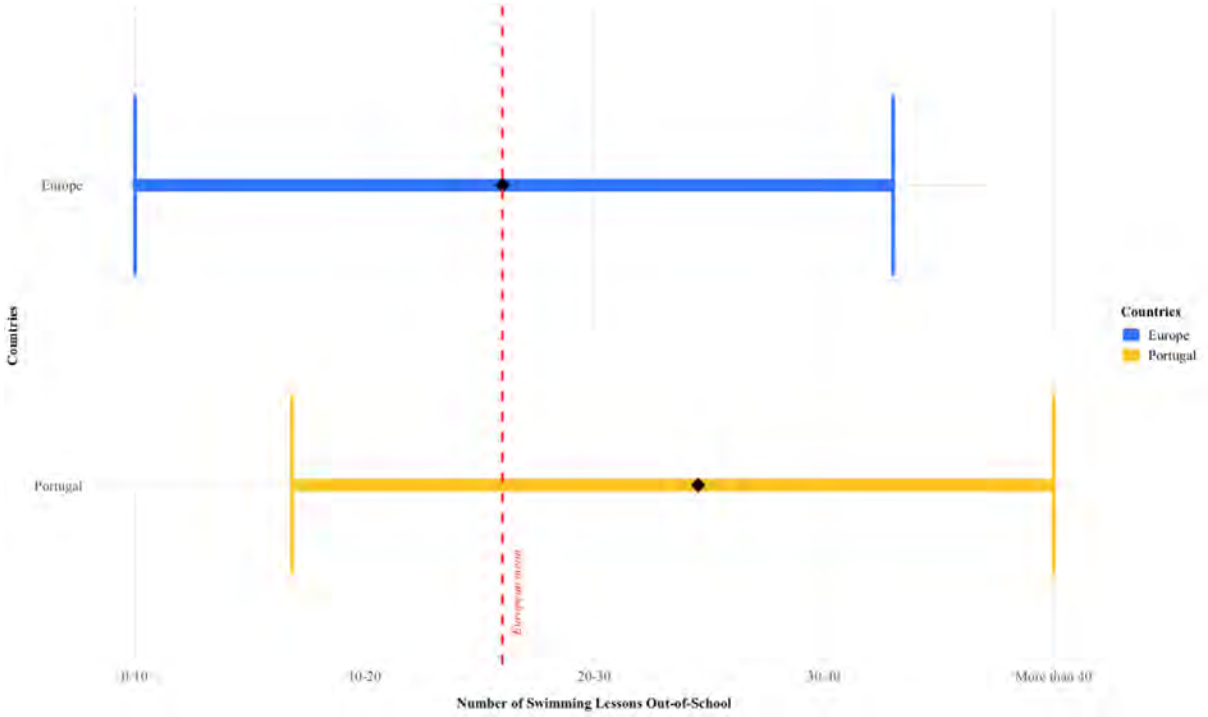


Figure 782. Distribution of the the Number of Lessons Out-of-School in Europe and in Portugal (Mean±SD).

Table 1343. Comparative Analysis of the Number of Lessons Out-of-School in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	325	2,487	1.82^{e-015} ***	0.29 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

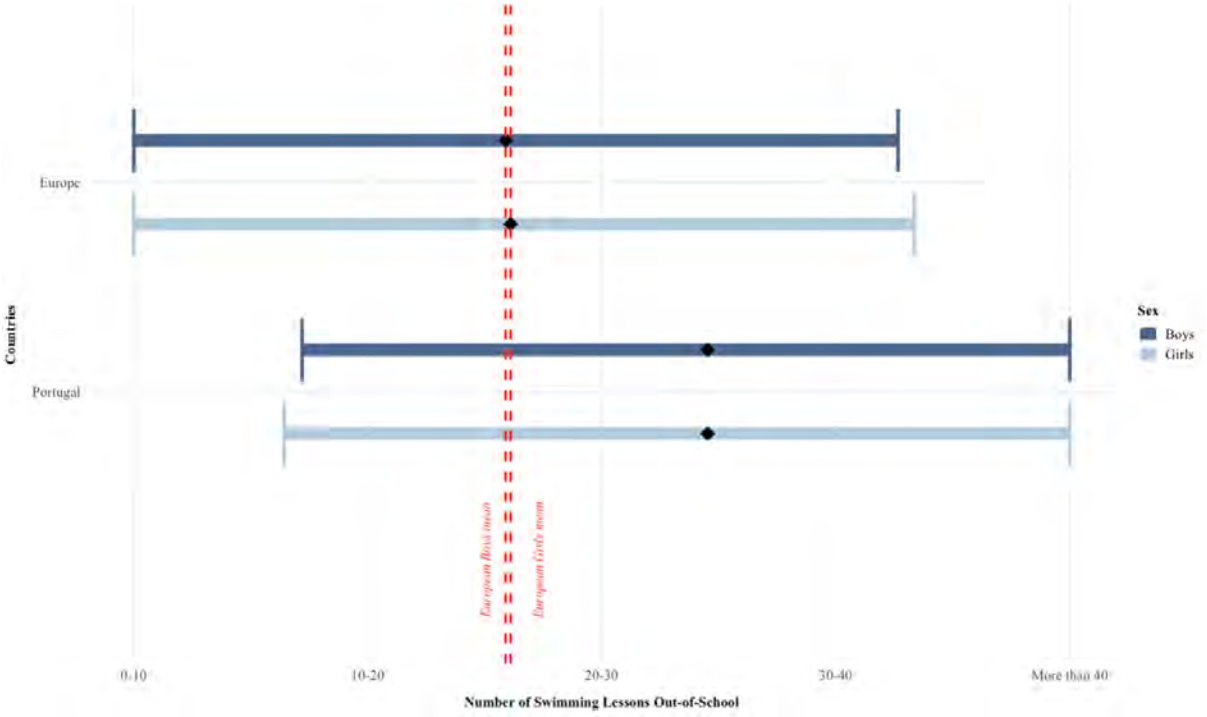


Figure 783. Distribution of the the Number of Lessons Out-of-School according to the Sex in Europe and in Portugal (Mean±SD).

Table 1344. Comparative Analysis of the Number of Lessons Out-of-School in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	Boys	168	1,249	5.25^{e-09} ***	0.15 [a]	0.95 [4]
	Girls	157	1,238	5.78^{e-08} ***	0.14 [a]	0.9 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1345. Comparative Analysis of the Number of Lessons Out-of-School in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal	Boys *vs* Girls	168	157	0.8	0.01 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

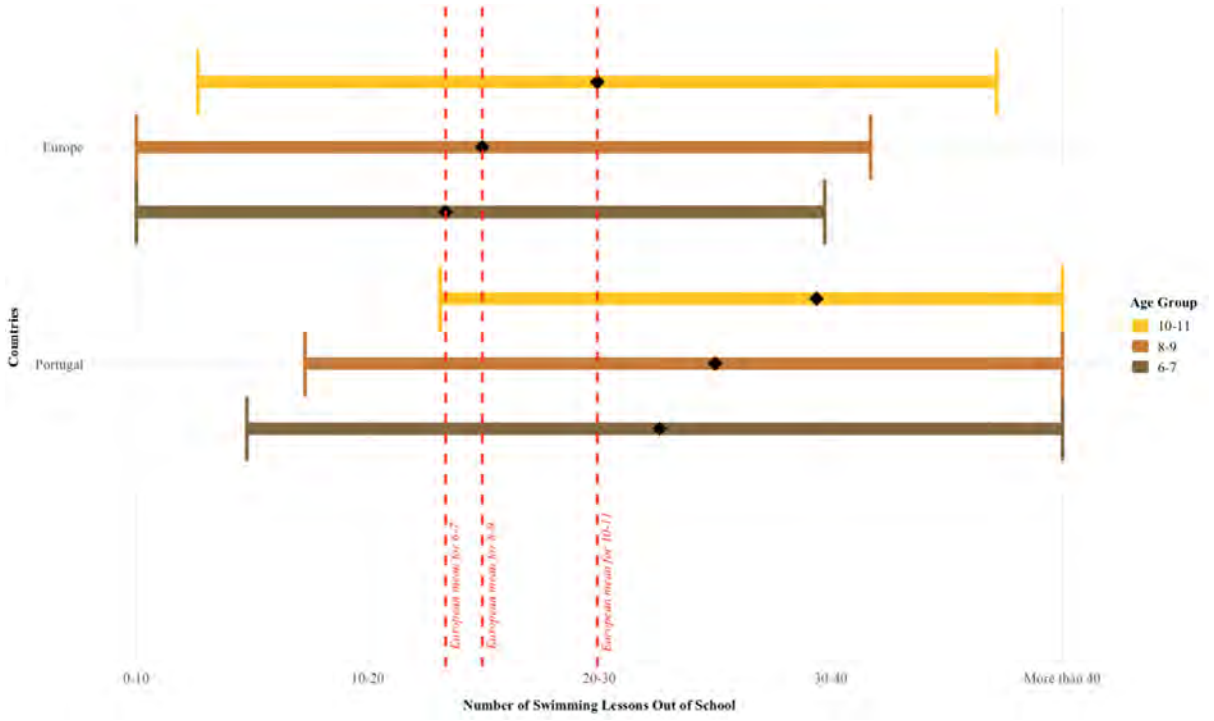


Figure 784. Distribution of the the Number of Lessons Out-of-School according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1346. Comparative Analysis of the Number of Lessons Out-of-School in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	123	775	1.81^{e-07} ***	0.16 [a]	0.92 [4]
	8-9 yo	170	935	2.97^{e-11} ***	0.19 [a]	1 [4]
	10-11 yo	32	777	0.002 **	0.1 [a]	0.21 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1347. Comparative Analysis of the Number of Lessons Out-of-School in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	123	170		0.18	0.07 [a]	0.22 [1]
	8-9 yo *vs* 10-11 yo		170	32	0.2	0.08 [a]	0.13 [1]
	6-7 yo *vs* 10-11 yo	123		32	0.04 *	0.15 [a]	0.33 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

j. Do parents/caregivers know to swim?

Overview



Figure 785. Distribution of the the Number of Caregivers Who Can Swim in Europe and in Portugal (Mean±SD).

Table 1348. Comparative Analysis of the Number of Caregivers Who Can Swim in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	348	2,762	5.64^{e-15} ***	0.25 [b]	0.99 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

C. Child questionnaire

Descriptive analysis

Table 1349. Number of children answering to the child questionnaire

Country	Sex	Age group	Intrinsic motivation (n=)	Identified motivation (n=)	Confidence in deep water (n=)	Perceived entry (n=)	Perceived exit (n=)
Europe	Boys	6-7	380	380	375	337	347
		8-9	564	564	559	514	512
		10-11	420	420	419	397	397
	Girls	6-7	434	434	432	407	409
		8-9	474	474	472	435	446
		10-11	443	443	436	417	423
Portugal	Boys	6-7	51	51	51	51	51
		8-9	76	76	76	75	76
		10-11	23	23	23	23	23
	Girls	6-7	43	43	41	42	43
		8-9	85	85	85	84	85
		10-11	13	13	13	13	13
Total			**3,006**	**3,006**	**2,982**	**2,795**	**2,825**

Country	Sex	Age group	Perceived rotation (n=)	Perceived breathing (n=)	Perceived treading (n=)	Perceived back propulsion (n=)	Perceived belly propulsion (n=)
Europe	Boys	6-7	318	352	353	347	347
		8-9	471	536	534	520	522
		10-11	367	398	403	399	391
	Girls	6-7	380	406	406	401	396
		8-9	403	445	452	444	447
		10-11	388	416	421	415	416
Portugal	Boys	6-7	51	50	48	49	47
		8-9	76	75	71	72	72
		10-11	23	22	23	22	23
	Girls	6-7	43	41	40	43	43
		8-9	85	84	80	78	80
		10-11	13	13	13	12	13
Total			**2,618**	**2,838**	**2,844**	**2,802**	**2,787**

Country	Sex	Age group	Perceived submersion (n=)	Perceived floatation (n=)	Like lessons at school (n=)	Like lessons at school with friends (n=)	Like lessons out-of- school (n=)
Europe	Boys	6-7	346	348	*NA*	*NA*	271
		8-9	524	522	*NA*	*NA*	398
		10-11	396	396	*NA*	*NA*	325
	Girls	6-7	400	397	*NA*	*NA*	321
		8-9	442	444	*NA*	*NA*	326
		10-11	414	418	*NA*	*NA*	323
Portugal	Boys	6-7	48	48	*NA*	*NA*	24
		8-9	71	74	*NA*	*NA*	47
		10-11	22	23	*NA*	*NA*	16
	Girls	6-7	43	43	*NA*	*NA*	28
		8-9	82	84	*NA*	*NA*	46
		10-11	13	13	*NA*	*NA*	10
Total			**2,801**	**2,810**	**2,260**	**2,290**	**2,135**

Notes. Europe: Belgium, France, Germany, Lithuania, Norway and Poland.

Table 1349. Cont.

Country	Sex	Age group	Like lessons out-of- school with friends (n=)	Like paying in the pool (n=)	Like paying in the pool with friends (n=)	Like paying in the pool with family (n=)
Europe	Boys	6-7	279	365	357	363
		8-9	399	538	531	539
		10-11	316	411	406	402
	Girls	6-7	332	414	411	410
		8-9	341	468	458	456
		10-11	333	434	435	431
Portugal	Boys	6-7	35	45	47	44
		8-9	47	76	72	71
		10-11	16	22	21	22
	Girls	6-7	30	38	40	38
		8-9	55	82	81	81
		10-11	10	13	357	13
Total			**2,193**	**2,906**	**2,872**	**2,870**

Country	Sex	Age group	Swimming Race (n=)	Water-Polo (n=)	Synchronised Swimming (n=)	Diving (n=)	Activity 1 (n=)	Activity 2 (n=)
Europe	Boys	6-7	362	364	355	359	360	360
		8-9	553	549	553	554	552	550
		10-11	414	411	407	407	408	407
	Girls	6-7	424	424	418	417	415	420
		8-9	471	463	467	465	466	468
		10-11	443	443	438	436	436	433
Portugal	Boys	6-7	50	49	49	47	49	49
		8-9	74	74	75	72	74	73
		10-11	22	23	23	23	23	22
	Girls	6-7	43	43	42	43	42	42
		8-9	84	85	83	84	84	83
		10-11	13	13	13	13	360	13
Total			**2,953**	**2,941**	**2,923**	**2,920**	**2,922**	**2,920**

Country	Sex	Age group	Activity 3 (n=)	Activity 4 (n=)	Low risk in the pool (n=)	High risk in the pool (n=)	Low risk open water (n=)	High risk open water (n=)
Europe	Boys	6-7	356	363	374	372	374	374
		8-9	547	551	562	563	562	562
		10-11	408	410	414	414	412	412
	Girls	6-7	421	424	433	432	428	427
		8-9	462	466	475	474	475	474
		10-11	437	431	442	442	442	443
Portugal	Boys	6-7	49	48	49	49	49	49
		8-9	73	72	75	75	75	75
		10-11	23	22	23	23	22	22
	Girls	6-7	43	43	43	43	43	43
		8-9	84	83	85	85	85	85
		10-11	13	13	13	13	13	13
Total			**2,916**	**2,926**	**2,988**	**2,985**	**2,980**	**2,979**

Notes. Europe: Belgium, France, Germany, Lithuania, Norway and Poland.

Table 1350. Descriptive analyse of the child questionnaire.

Country	Sex	Age group	Intrinsic motivation Mean (±SD)	Identified motivation Mean (±SD)	Confidence in deep water Mean (±SD)	Perceived entry Mean (±SD)	Perceived exit Mean (±SD)
Europe	Boys	6-7	4.52 (±0.76)	4.15 (±0.92)	3.42 (±1.62)	3.9 (±1.6)	4.3 (±1.4)
		8-9	4.48 (±0.69)	4.12 (±0.84)	3.83 (±1.45)	4.17 (±1.38)	4.56 (±1.08)
		10-11	4.56 (±0.62)	4.25 (±0.69)	4.28 (±1.06)	4.58 (±0.96)	4.76 (±0.77)
	Girls	6-7	4.58 (±0.71)	4.18 (±0.86)	3.35 (±1.63)	3.49 (±1.78)	4.12 (±1.49)
		8-9	4.59 (±0.62)	4.23 (±0.74)	3.66 (±1.4)	3.92 (±1.42)	4.4 (±1.23)
		10-11	4.49 (±0.65)	4.2 (±0.67)	4.09 (±1.2)	4.24 (±1.11)	4.63 (±0.92)
Portugal	Boys	6-7	4.69 (±0.65)	4.41 (±0.69)	3.16 (±1.71)	3.55 (±1.67)	4.18 (±1.65)
		8-9	4.69 (±0.46)	4.36 (±0.61)	3.97 (±1.33)	4.04 (±1.17)	4.45 (±1.06)
		10-11	4.69 (±0.54)	4.34 (±0.68)	4.35 (±0.99)	4.31 (±0.93)	4.66 (±0.72)
	Girls	6-7	4.85 (±0.39)	4.52 (±0.65)	3.66 (±1.75)	3.46 (±1.69)	4.05 (±1.56)
		8-9	4.83 (±0.3)	4.41 (±0.53)	3.77 (±1.42)	3.56 (±1.34)	4.38 (±1.15)
		10-11	4.7 (±0.5)	4.31 (±0.91)	4.24 (±1.02)	3.62 (±1.05)	4.7 (±0.64)

Country	Sex	Age group	Perceived rotation Mean (±SD)	Perceived breathing Mean (±SD)	Perceived treading Mean (±SD)	Perceived back propulsion Mean (±SD)	Perceived belly propulsion Mean (±SD)
Europe	Boys	6-7	3.11 (±1.94)	4.13 (±1.5)	3.46 (±1.74)	3.41 (±1.76)	3.86 (±1.66)
		8-9	3.67 (±1.71)	4.37 (±1.1)	3.76 (±1.5)	4 (±1.49)	4.23 (±1.34)
		10-11	4.3 (±1.28)	4.46 (±0.85)	4.09 (±1.17)	4.28 (±1.14)	4.54 (±0.87)
	Girls	6-7	2.8 (±1.94)	3.96 (±1.55)	3.26 (±1.77)	3.42 (±1.81)	3.61 (±1.72)
		8-9	3.57 (±1.64)	4.39 (±0.99)	3.64 (±1.54)	3.89 (±1.52)	4.07 (±1.34)
		10-11	4.06 (±1.47)	4.37 (±0.91)	3.88 (±1.19)	4.14 (±1.22)	4.32 (±1.11)
Portugal	Boys	6-7	3.08 (±1.92)	4.3 (±1.3)	3.5 (±1.76)	3.94 (±1.52)	3.86 (±1.63)
		8-9	3.7 (±1.56)	4.6 (±0.79)	3.54 (±1.44)	4.19 (±1.25)	4.3 (±1.27)
		10-11	3.79 (±1.32)	4.87 (±0.36)	4.4 (±0.73)	4.41 (±0.8)	4.57 (±0.59)
	Girls	6-7	2.61 (±1.92)	4.1 (±1.52)	2.43 (±1.9)	3.68 (±1.75)	3.96 (±1.52)
		8-9	3.31 (±1.62)	4.45 (±1.05)	3.92 (±1.45)	4.12 (±1.26)	4.24 (±1.21)
		10-11	3.11 (±1.94)	4.39 (±0.77)	4.08 (±0.96)	4.09 (±1.09)	4.24 (±1.02)

Country	Sex	Age group	Perceived submersion Mean (±SD)	Perceived floatation Mean (±SD)	Like lessons at school Mean (±SD)	Like lessons at school with friends Mean (±SD)	Like lessons out-of- school Mean (±SD)
Europe	Boys	6-7	3.74 (±1.74)	3.61 (±1.73)	*NA*	*NA*	*NA*
		8-9	4.15 (±1.36)	4.07 (±1.3)	*NA*	*NA*	*NA*
		10-11	4.37 (±0.97)	4.33 (±0.95)	*NA*	*NA*	*NA*
	Girls	6-7	3.51 (±1.82)	3.52 (±1.72)	*NA*	*NA*	*NA*
		8-9	4.12 (±1.37)	4.13 (±1.27)	*NA*	*NA*	*NA*
		10-11	4.15 (±1.17)	4.25 (±1.06)	*NA*	*NA*	*NA*
Portugal	Boys	6-7	4.09 (±1.5)	3.92 (±1.65)	*NA*	*NA*	*NA*
		8-9	4.53 (±0.96)	4.14 (±1.48)	*NA*	*NA*	*NA*
		10-11	4.87 (±0.47)	4.27 (±1.29)	*NA*	*NA*	*NA*
	Girls	6-7	4.12 (±1.47)	3.56 (±1.89)	*NA*	*NA*	*NA*
		8-9	4.3 (±1.15)	4.5 (±1.02)	*NA*	*NA*	*NA*
		10-11	4.54 (±0.67)	4.54 (±0.78)	*NA*	*NA*	*NA*

Notes. Europe: Belgium, France, Germany, Lithuania, Norway and Poland.

Table 1350. Cont.

Country	Sex	Age group	Like lessons out-of- school with friends Mean (±SD)	Like paying in the pool Mean (±SD)	Like paying in the pool with friends Mean (±SD)	Like paying in the pool with family Mean (±SD)
Europe	Boys	6-7	4.14 (±1.3)	4.67 (±0.92)	4.61 (±0.97)	4.72 (±0.85)
		8-9	3.96 (±1.29)	4.7 (±0.79)	4.62 (±0.91)	4.68 (±0.8)
		10-11	3.95 (±1.14)	4.64 (±0.68)	4.71 (±0.67)	4.57 (±0.75)
	Girls	6-7	4.26 (±1.2)	4.7 (±0.83)	4.7 (±0.78)	4.75 (±0.78)
		8-9	4.12 (±1.12)	4.77 (±0.58)	4.71 (±0.74)	4.74 (±0.72)
		10-11	3.99 (±1.04)	4.59 (±0.78)	4.74 (±0.54)	4.67 (±0.67)
Portugal	Boys	6-7	4.69 (±0.8)	4.76 (±0.75)	4.69 (±0.84)	4.46 (±1.25)
		8-9	4.39 (±0.85)	4.62 (±0.84)	4.75 (±0.65)	4.86 (±0.43)
		10-11	4.32 (±1.31)	4.91 (±0.43)	4.91 (±0.31)	4.82 (±0.51)
	Girls	6-7	4.5 (±0.98)	4.85 (±0.68)	4.98 (±0.16)	4.98 (±0.17)
		8-9	4.62 (±0.83)	4.68 (±0.81)	4.8 (±0.52)	4.86 (±0.58)
		10-11	4.4 (±0.85)	5 (±0)	4.7 (±0.76)	4.85 (±0.38)

Country	Sex	Age group	Swimming Race Mean (±SD)	Water Polo Mean (±SD)	Synchronised Swimming Mean (±SD)	Diving Mean (±SD)	Activity 1 Mean (±SD)	Activity 2 Mean (±SD)
Europe	Boys	6-7	3.42 (±1.69)	3.93 (±1.54)	2.14 (±1.6)	3.63 (±1.69)	3.98 (±1.55)	3.81 (±1.58)
		8-9	3.51 (±1.56)	3.97 (±1.43)	2.04 (±1.5)	3.89 (±1.51)	4.14 (±1.31)	4.1 (±1.35)
		10-11	3.32 (±1.45)	3.91 (±1.33)	1.87 (±1.24)	3.82 (±1.4)	4.05 (±1.19)	4.2 (±1.17)
	Girls	6-7	3.38 (±1.67)	3.22 (±1.68)	3.45 (±1.66)	3.12 (±1.75)	3.74 (±1.59)	3.5 (±1.66)
		8-9	3.49 (±1.48)	3.35 (±1.5)	3.57 (±1.48)	3.49 (±1.58)	3.99 (±1.28)	3.85 (±1.42)
		10-11	3.31 (±1.32)	3.6 (±1.29)	3.4 (±1.41)	3.63 (±1.4)	4.05 (±1.2)	4.04 (±1.2)
Portugal	Boys	6-7	3.74 (±1.71)	4.05 (±1.62)	2.49 (±1.74)	3.77 (±1.81)	4.05 (±1.61)	4.31 (±1.27)
		8-9	3.78 (±1.53)	4.18 (±1.33)	2.3 (±1.45)	3.94 (±1.41)	4.14 (±1.3)	4.24 (±1.28)
		10-11	3.32 (±1.5)	4 (±1.48)	1.96 (±1.43)	3.4 (±1.76)	4.18 (±1.24)	4.05 (±1.5)
	Girls	6-7	3.73 (±1.55)	3.56 (±1.67)	4.24 (±1.38)	3.66 (±1.64)	3.93 (±1.62)	3.65 (±1.7)
		8-9	3.95 (±1.5)	3.64 (±1.44)	3.99 (±1.46)	3.65 (±1.65)	4.18 (±1.29)	3.84 (±1.57)
		10-11	3.7 (±1.32)	3.62 (±1.39)	4 (±1.74)	3.08 (±1.45)	3.93 (±1.45)	4.24 (±1.17)

Country	Sex	Age group	Activity 3 Mean (±SD)	Activity 4 Mean (±SD)	Low risk in the pool Mean (±SD)	High risk in the pool Mean (±SD)	Low risk open water Mean (±SD)	High risk open water Mean (±SD)
Europe	Boys	6-7	3.84 (±1.6)	3.62 (±1.63)	3.38 (±1.31)	2.66 (±1.29)	3.89 (±1.23)	2.36 (±1.41)
		8-9	4.08 (±1.36)	3.81 (±1.44)	3.41 (±1.23)	2.64 (±1.19)	3.88 (±1.23)	2.63 (±1.41)
		10-11	4.05 (±1.25)	3.71 (±1.39)	3.58 (±1.06)	2.44 (±1.2)	4.03 (±1.13)	2.14 (±1.29)
	Girls	6-7	3.33 (±1.65)	3.2 (±1.66)	3.31 (±1.26)	2.79 (±1.23)	3.84 (±1.2)	2.36 (±1.29)
		8-9	3.72 (±1.48)	3.39 (±1.49)	3.3 (±1.18)	2.86 (±1.09)	3.79 (±1.13)	2.67 (±1.37)
		10-11	4.05 (±1.23)	3.56 (±1.3)	3.49 (±1.11)	2.69 (±1.12)	3.93 (±1.15)	2.46 (±1.26)
Portugal	Boys	6-7	4.23 (±1.42)	3.98 (±1.46)	3.52 (±1.35)	2.19 (±1.1)	4.43 (±1)	2.13 (±1.44)
		8-9	4.27 (±1.32)	3.75 (±1.48)	3.27 (±1.29)	2.87 (±0.95)	4.16 (±1.05)	2.66 (±1.04)
		10-11	4.18 (±1.2)	3.5 (±1.48)	3.61 (±0.99)	2.61 (±1.04)	4.37 (±0.91)	2.28 (±0.94)
	Girls	6-7	3.89 (±1.6)	3.68 (±1.66)	3.38 (±1.16)	2.73 (±1.15)	4.14 (±0.97)	2.45 (±1.15)
		8-9	4.17 (±1.37)	3.74 (±1.39)	3.11 (±1.11)	2.68 (±0.97)	4.02 (±1.01)	2.88 (±1.04)
		10-11	3.93 (±1.33)	4 (±1.53)	2.85 (±1.07)	3 (±1.16)	3.93 (±1.45)	2.24 (±0.93)

Notes. Europe: Belgium, France, Germany, Lithuania, Norway and Poland.

a. Intrinsic motivation

Overview

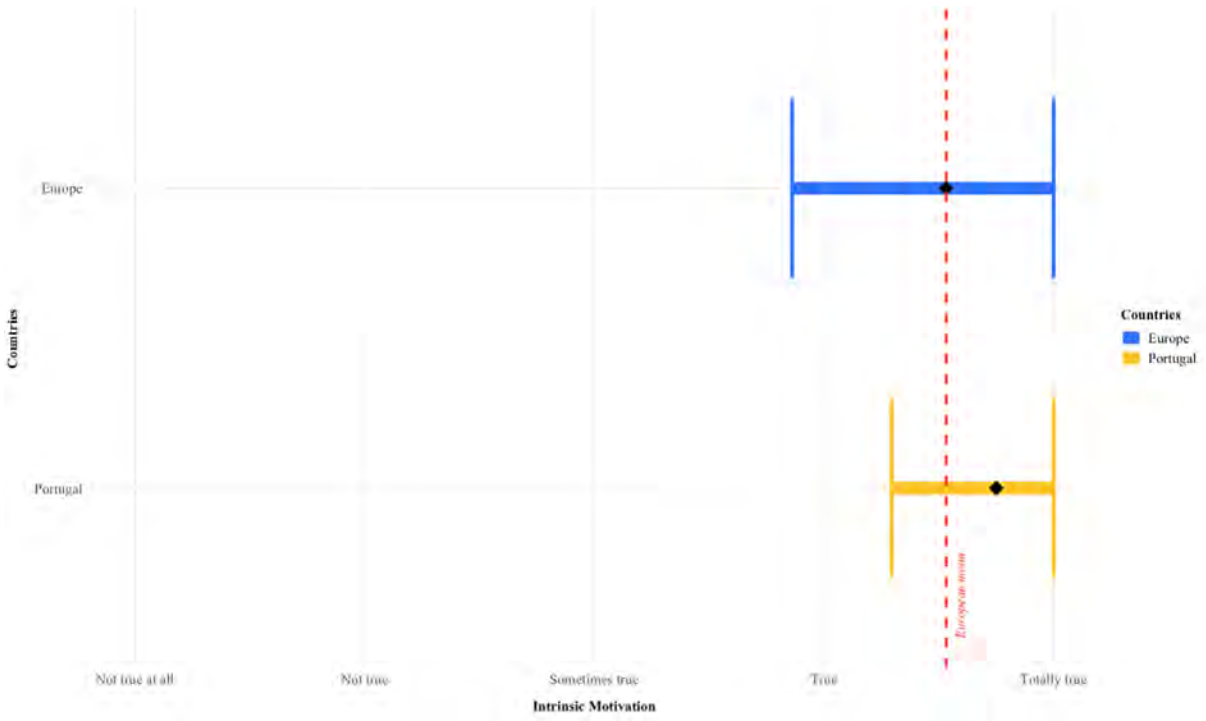


Figure 786. Distribution of the Intrinsic Motivation in Europe and in Portugal (Mean±SD).

Table 1351. Comparative Analysis of the Intrinsic Motivation in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	291	2,715	2.55^{e-09} ***	0.2 [b]	0.91 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

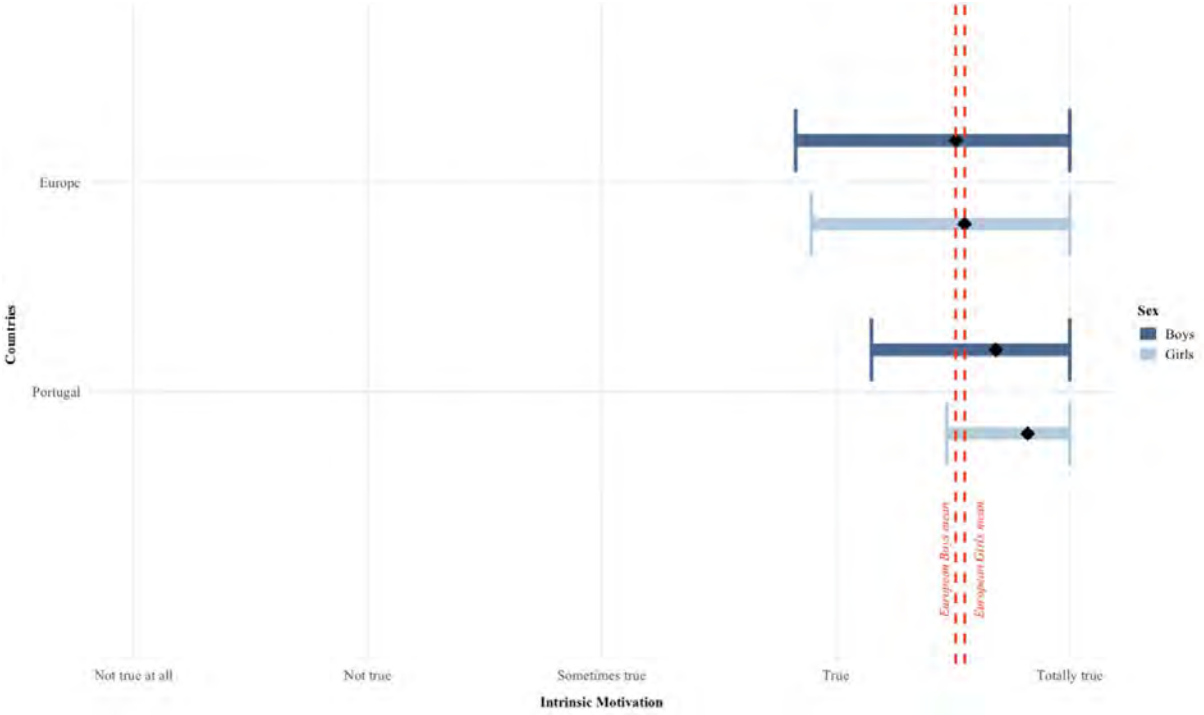


Figure 787. Distribution of the Intrinsic Motivation according to the Sex in Europe and in Portugal (Mean±SD).

Table 1352. Comparative Analysis of the Intrinsic Motivation in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	Boys	150	1,364	5.47^{e-07} ***	0.03 [a]	0.49 [1]
	Girls	141	1,351	5.83^{e-07} ***	0.12 [a]	0.77 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1353. Comparative Analysis of the Intrinsic Motivation in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	Boys *vs* Girls	150	141	0.05	0.1 [a]	0.37 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

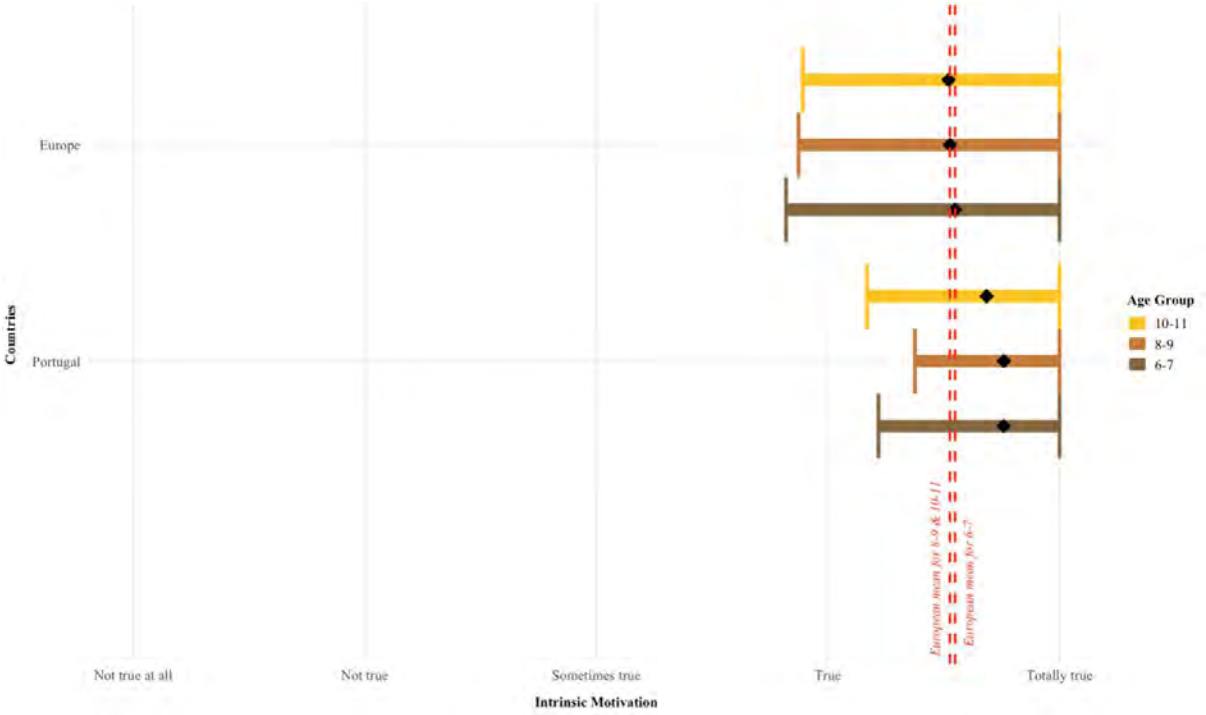


Figure 788. Distribution of the Intrinsic Motivation according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1354. Comparative Analysis of the Intrinsic Motivation in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	94	814	8.14^{e-04} ***	0.1 [a]	0.45 [1]
	8-9 yo	161	1,038	1.51^{e-05} ***	0.12 [a]	0.79 [2]
	10-11 yo	36	863	0.07	0.06 [a]	0.1 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1355. Comparative Analysis of the Intrinsic Motivation in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	94	161		0.15	0.08 [a]	0.22 [1]
	8-9 yo *vs* 10-11 yo		161	36	0.72	0.02 [a]	0.06 [1]
	6-7 yo *vs* 10-11 yo	94		36	0.22	0.09 [a]	0.14 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

b. Identified motivation

Overview

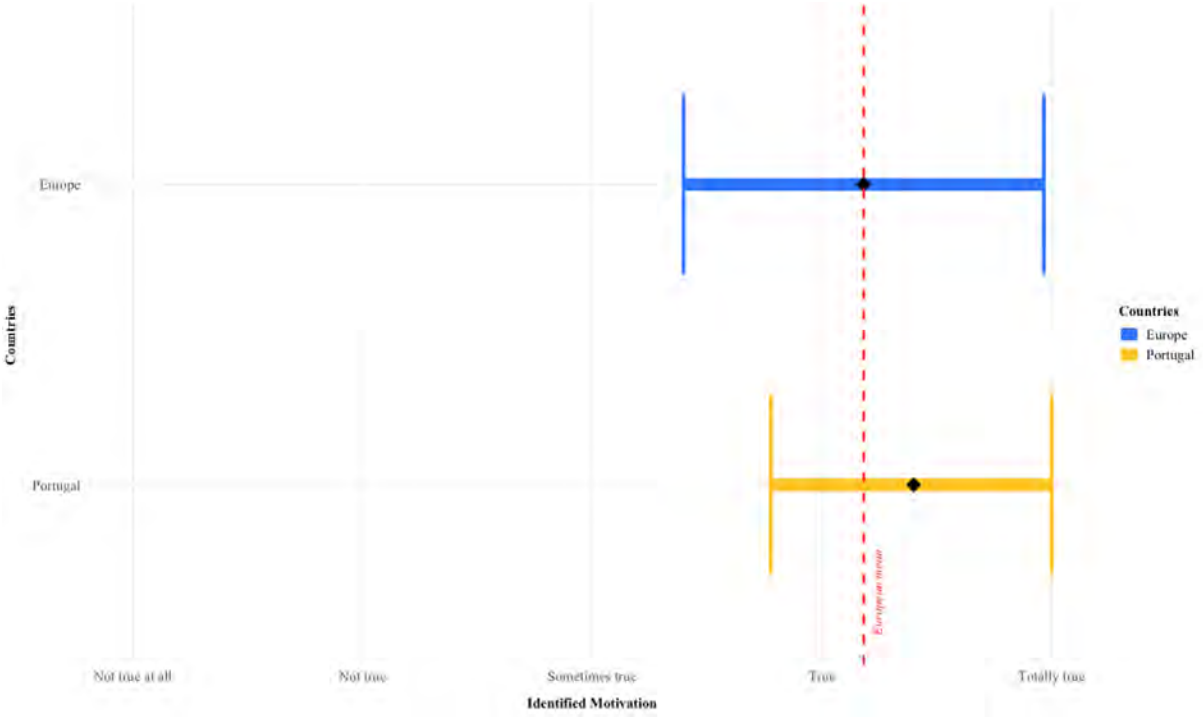


Figure 789. Distribution of the Identified Motivation in Europe and in Portugal (Mean±SD).

Table 1356. Comparative Analysis of the Identified Motivation in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	291	2,715	1.1^{e-05} ***	0.16 [a]	0.73 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

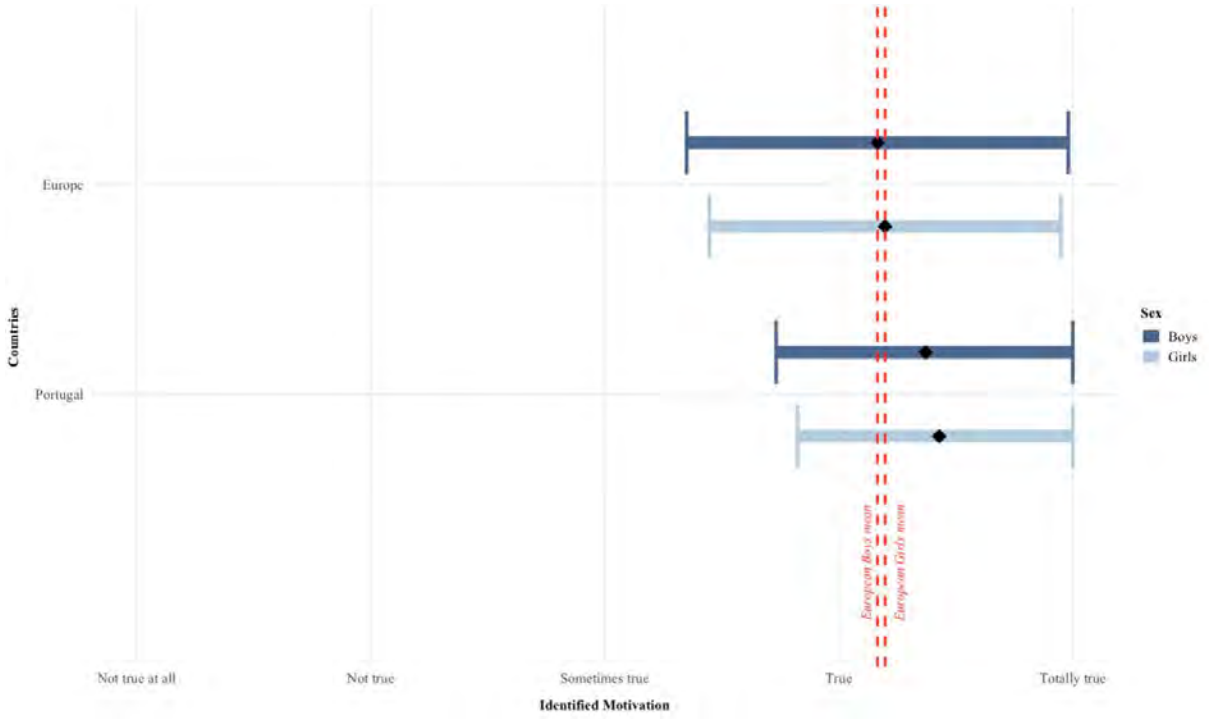


Figure 790. Distribution of the Identified Motivation according to the Sex in Europe and in Portugal (Mean±SD).

Table 1357. Comparative Analysis of the Identified Motivation in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	Boys	150	1,364	0.006 **	0.07 [a]	0.36 [1]
	Girls	141	1,351	4.27^{e-04} ***	0.09 [a]	0.53 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1358. Comparative Analysis of the Identified Motivation in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	Boys *vs* Girls	150	141	0.47	0.04 [a]	0.11 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (*d<0.2*); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

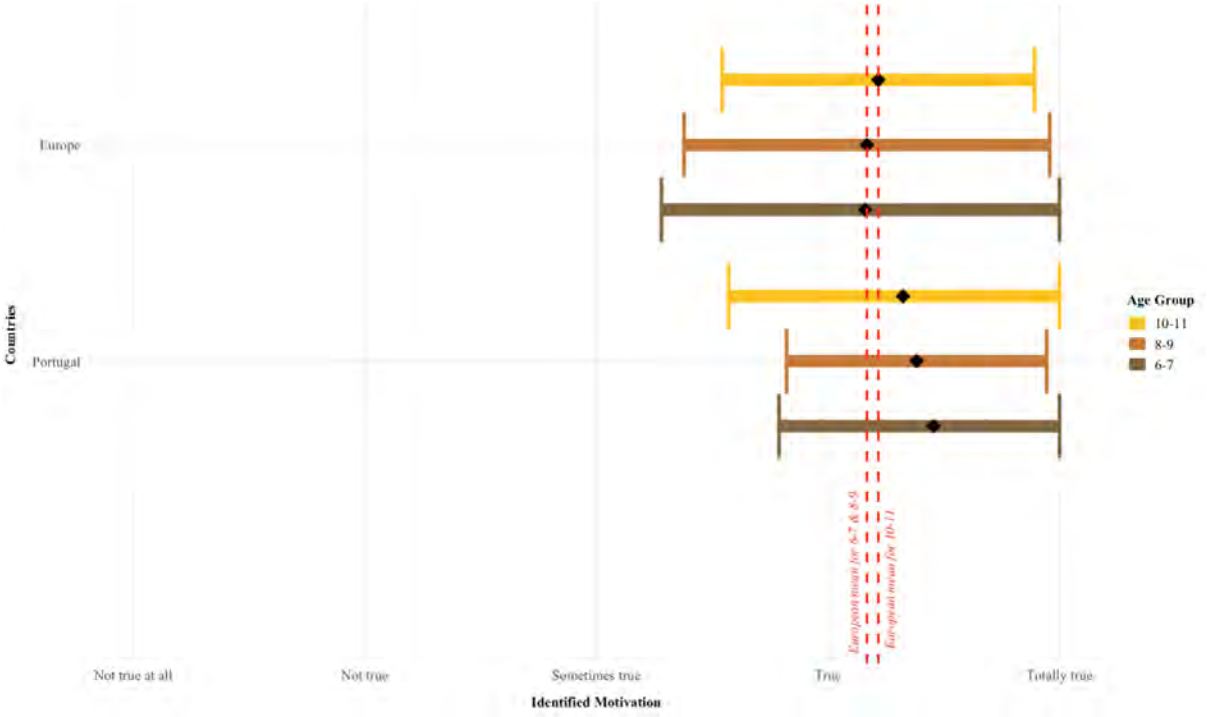


Figure 791. Distribution of the Identified Motivation according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1359. Comparative Analysis of the Identified Motivation in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	94	814	0.002 **	0.1 [a]	0.45 [1]
	8-9 yo	161	1,038	0.007 **	0.08 [a]	0.45 [1]
	10-11 yo	36	863	0.14	0.05 [a]	0.09 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1360. Comparative Analysis of the Identified Motivation in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	94	161		0.07	0.11 [a]	0.4 [1]
	8-9 yo *vs* 10-11 yo		161	36	0.79	0.01 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	94		36	0.34	0.08 [a]	0.13 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

c. Confidence in deep water

Overview

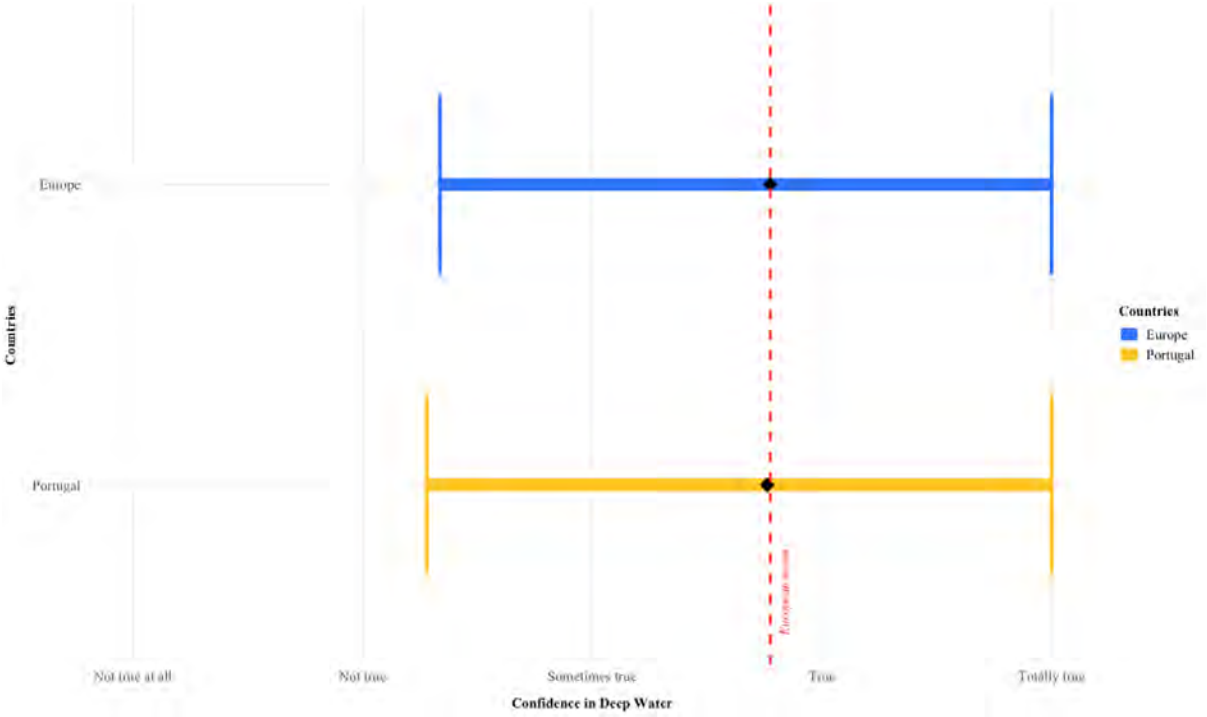


Figure 792. Distribution of the Confidence in Deep Water in Europe and in Portugal (Mean±SD).

Table 1361. Comparative Analysis of the Confidence in Deep Water in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	289	2,693	0.91	0.004 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

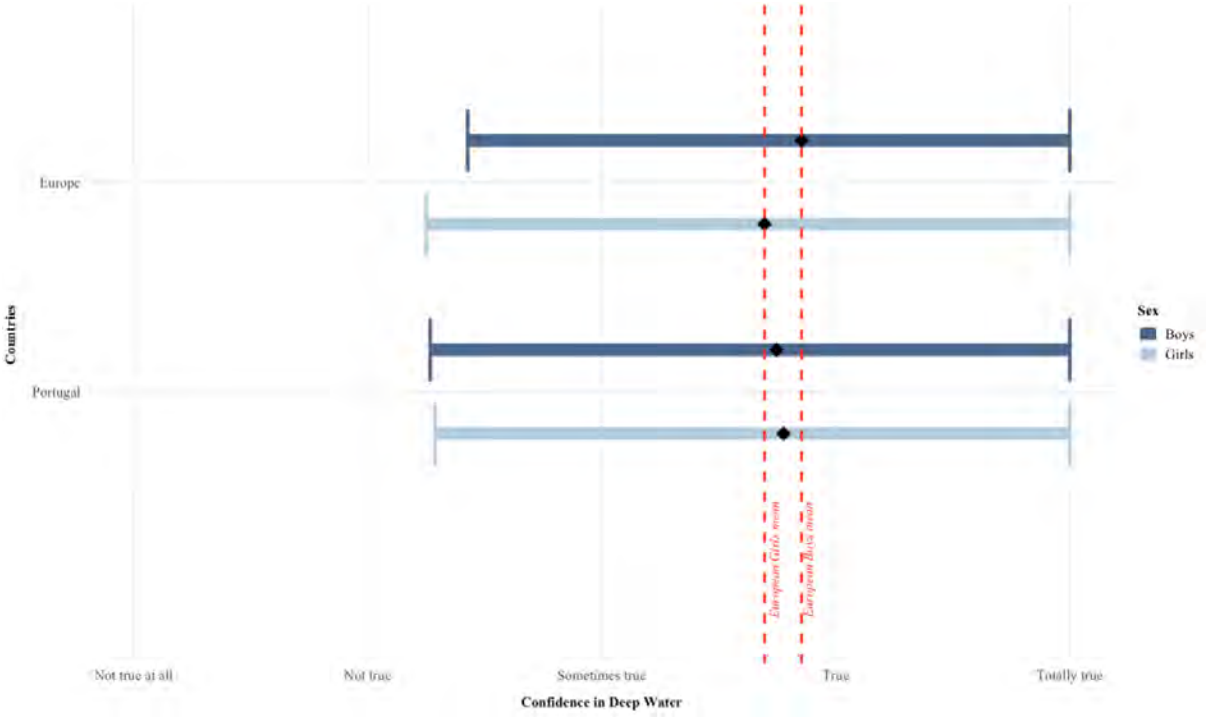


Figure 793. Distribution of the Confidence in Deep Water according to the Sex in Europe and in Portugal (Mean±SD).

Table 1362. Comparative Analysis of the Confidence in Deep Water in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	Boys	150	1,353	0.42	0.02 [a]	0.07 [1]
	Girls	139	1,340	0.36	0.02 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1363. Comparative Analysis of the Confidence in Deep Water in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	Boys *vs* Girls	150	139	0.73	0.02 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

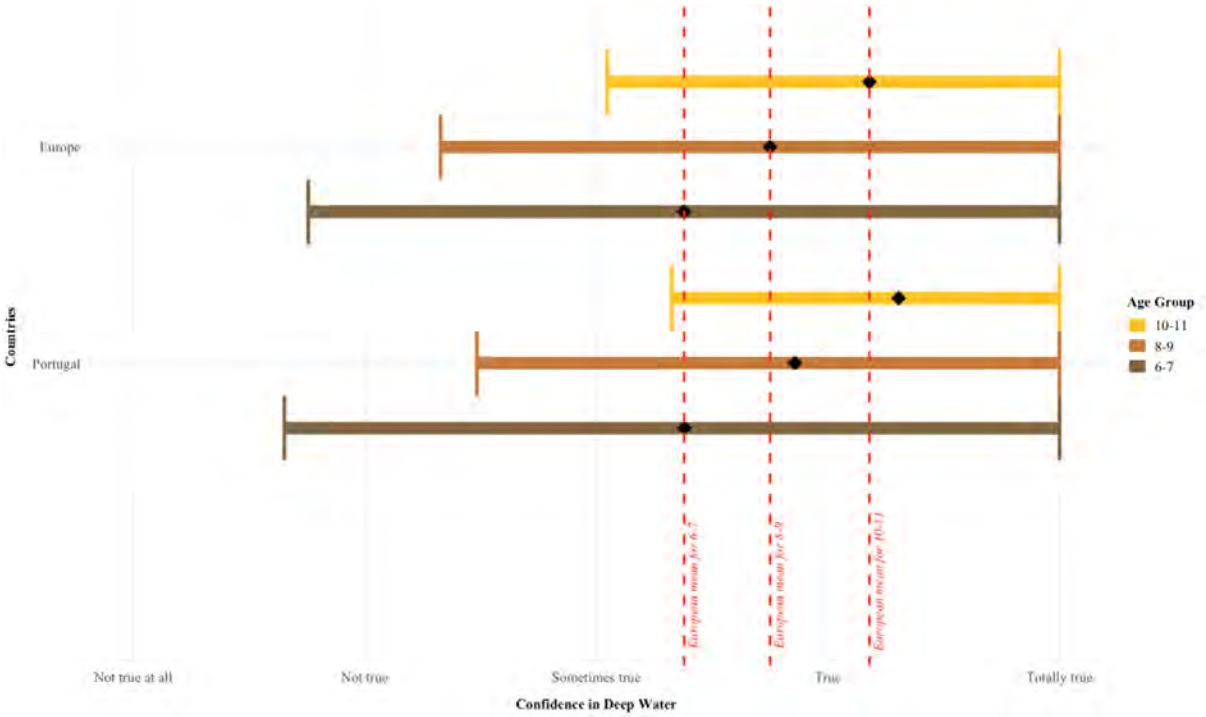


Figure 794. Distribution of the Confidence in Deep Water according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1364. Comparative Analysis of the Confidence in Deep Water in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	92	807	0.85	0.006 [a]	0.05 [1]
	8-9 yo	161	1,031	0.4	0.02 [a]	0.08 [1]
	10-11 yo	36	855	0.61	0.01 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1365. Comparative Analysis of the Confidence in Deep Water in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	92	161		0.08	0.1 [a]	0.35 [1]
	8-9 yo *vs* 10-11 yo		161	36	0.12	0.11 [a]	0.21 [1]
	6-7 yo *vs* 10-11 yo	92		36	0.01 *	0.2 [b]	0.55 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

d. Perceived skills

1. Perceived entry in the water

Overview

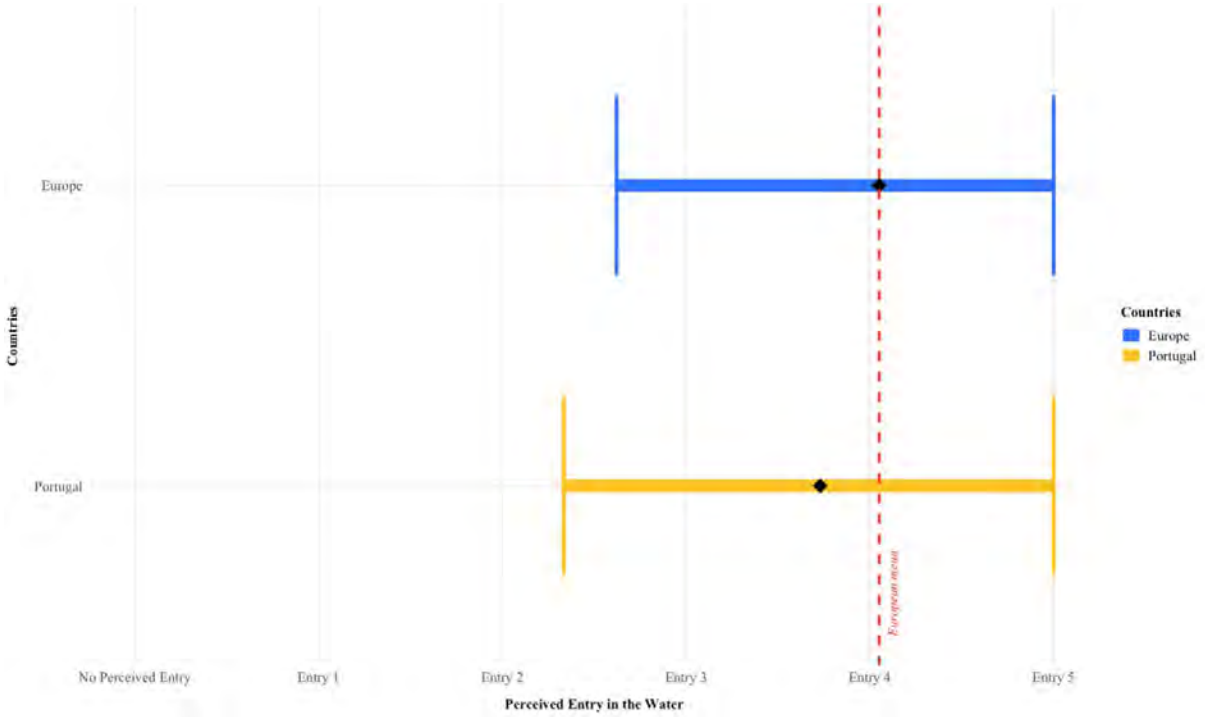


Figure 795. Distribution of the Perceived Entry in the Water in Europe and in Portugal (Mean±SD).

Table 1366. Comparative Analysis of the Perceived Entry in the Water in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	288	2,507	1.22^{e-07} ***	0.18 [a]	0.83 [3]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

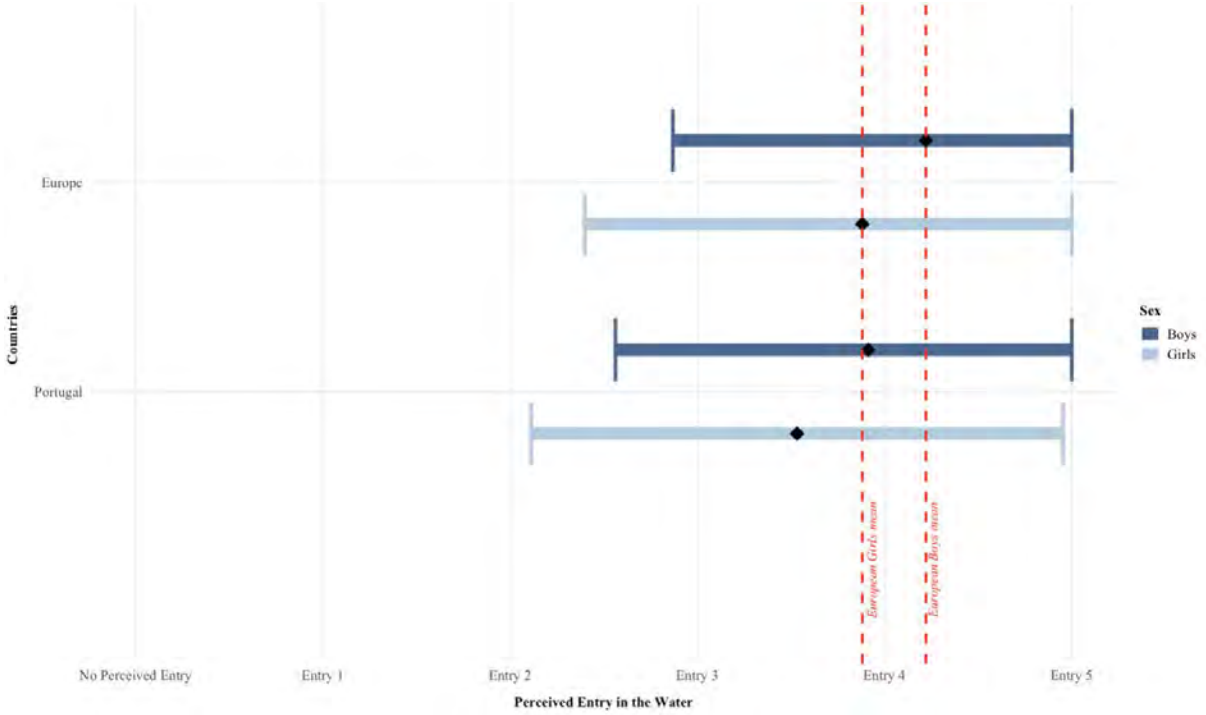


Figure 796. Distribution of the Perceived Entry in the Water according to the Sex in Europe and in Portugal (Mean±SD).

Table 1367. Comparative Analysis of the Perceived Entry in the Water in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	Boys	149	1,248	8.1^{e-05} ***	0.09 [a]	0.55 [2]
	Girls	139	1,259	1.9^{e-04} ***	0.09 [a]	0.55 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1368. Comparative Analysis of the Perceived Entry in the Water in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	Boys *vs* Girls	149	139	0.008 **	0.15 [a]	0.72 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

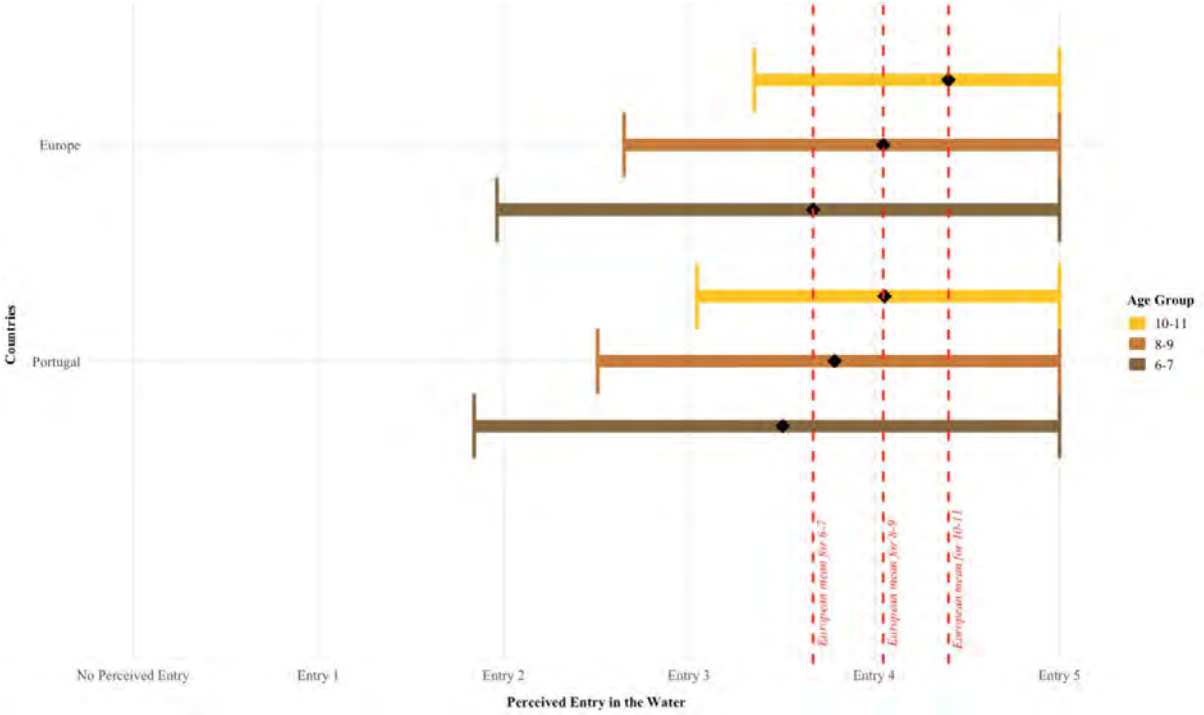


Figure 797. Distribution of the Perceived Entry in the Water according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1369. Comparative Analysis of the Perceived Entry in the Water in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	93	744	0.16	0.04 [a]	0.13 [1]
	8-9 yo	159	949	2.3^{e-04} ***	0.1 [a]	0.66 [2]
	10-11 yo	36	814	0.01 *	0.07 [a]	0.13 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1370. Comparative Analysis of the Perceived Entry in the Water in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	93	159		0.45	0.04 [a]	0.11 [1]
	8-9 yo *vs* 10-11 yo		159	36	0.38	0.06 [a]	0.1 [1]
	6-7 yo *vs* 10-11 yo	93		36	0.19	0.11 [a]	0.2 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

2. Perceived exit from the water

Overview

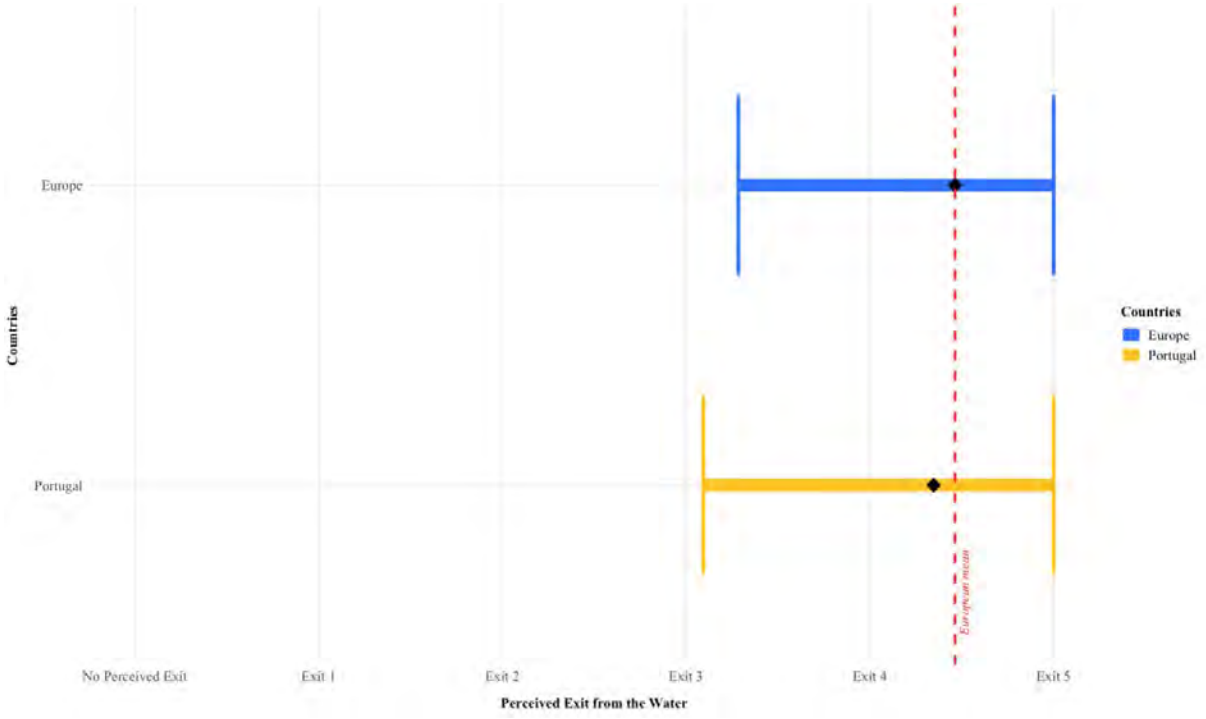


Figure 798. Distribution of the Perceived Exit from the Water in Europe and in Portugal (Mean±SD).

Table 1371. Comparative Analysis of the Perceived Exit from the Water in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	291	2,534	0.05 *	0.06 [a]	0.15 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

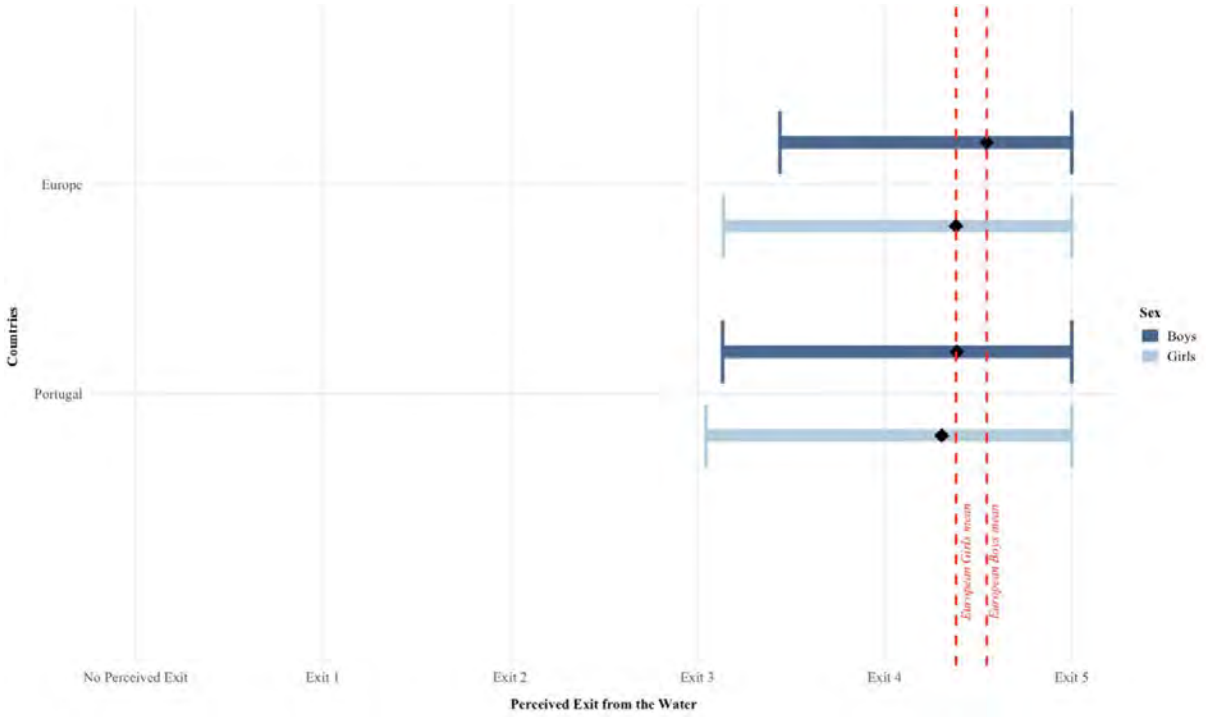


Figure 799. Distribution of the Perceived Exit from the Water according to the Sex in Europe and in Portugal (Mean±SD).

Table 1372. Comparative Analysis of the Perceived Exit from the Water in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	Boys	150	1,256	0.06	0.03 [a]	0.13 [1]
	Girls	141	1,278	0.29	0.02 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1373. Comparative Analysis of the Perceived Exit from the Water in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal	Boys *vs* Girls	150	141	0.42	0.04 [a]	0.1 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

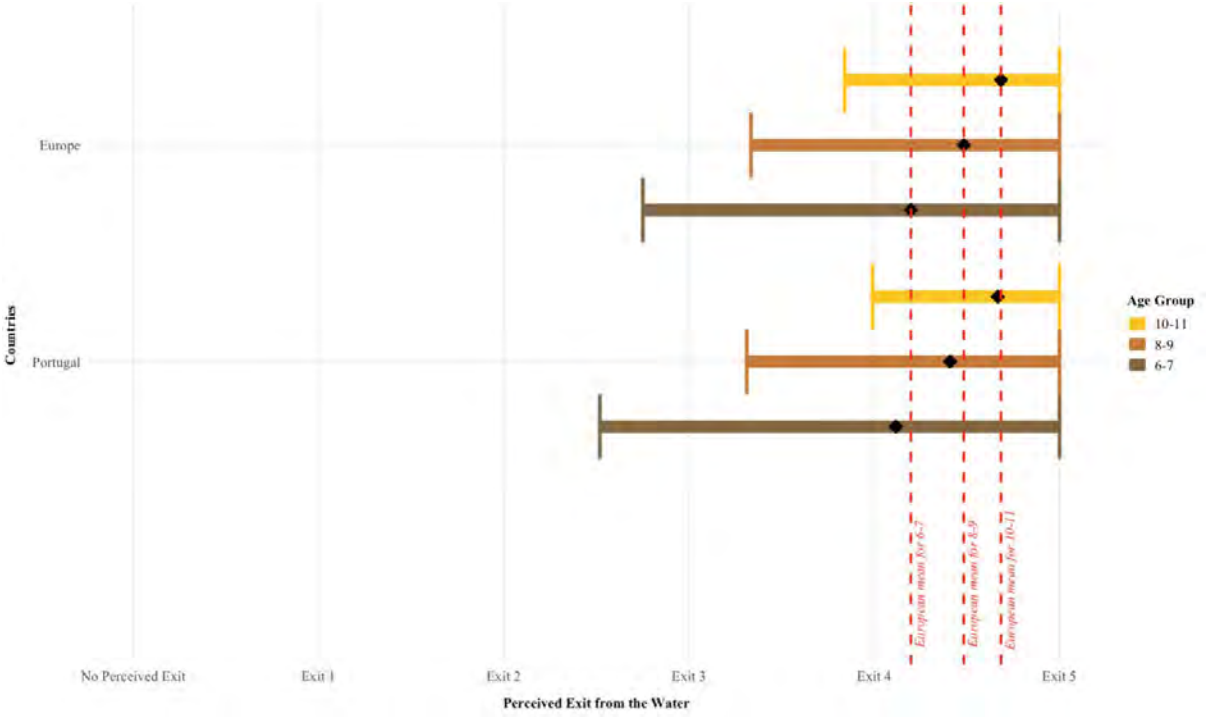


Figure 800. Distribution of the Perceived Exit from the Water ccording to the Age Group in Europe and in Portugal (Mean±SD).

Table 1374. Comparative Analysis of the Perceived Exit from the Water in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	94	756	0.79	0.007 [a]	0.05 [1]
	8-9 yo	161	958	0.08	0.04 [a]	0.15 [1]
	10-11 yo	36	820	0.24	0.03 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1375. Comparative Analysis of the Perceived Exit from the Water in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	94	161		0.83	0.01 [a]	0.05 [1]
	8-9 yo *vs* 10-11 yo		161	36	0.4	0.05 [a]	0.08 [1]
	6-7 yo *vs* 10-11 yo	94		36	0.42	0.05 [a]	0.08 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

3. Perceived rotations

Overview

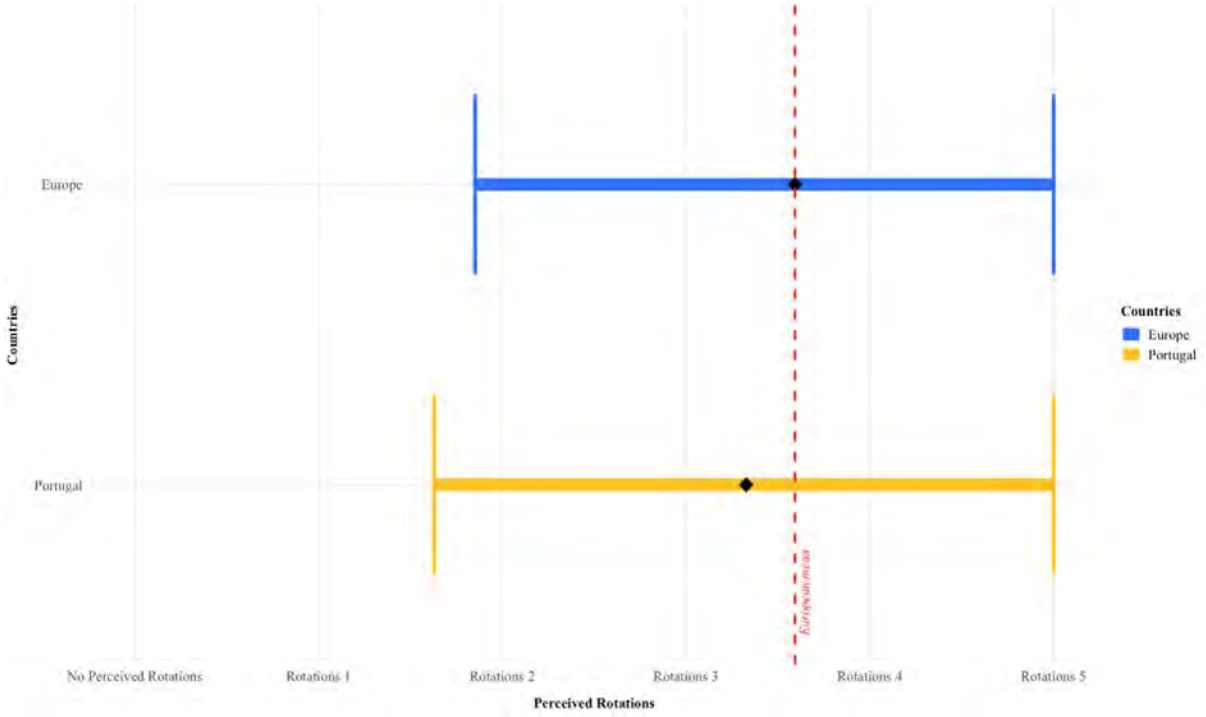


Figure 801. Distribution of the Perceived Rotations in Europe and in Portugal (Mean±SD).

Table 1376. Comparative Analysis of the Perceived Rotations in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	291	2,327	9.8^{e-04} ***	0.12 [a]	0.5 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

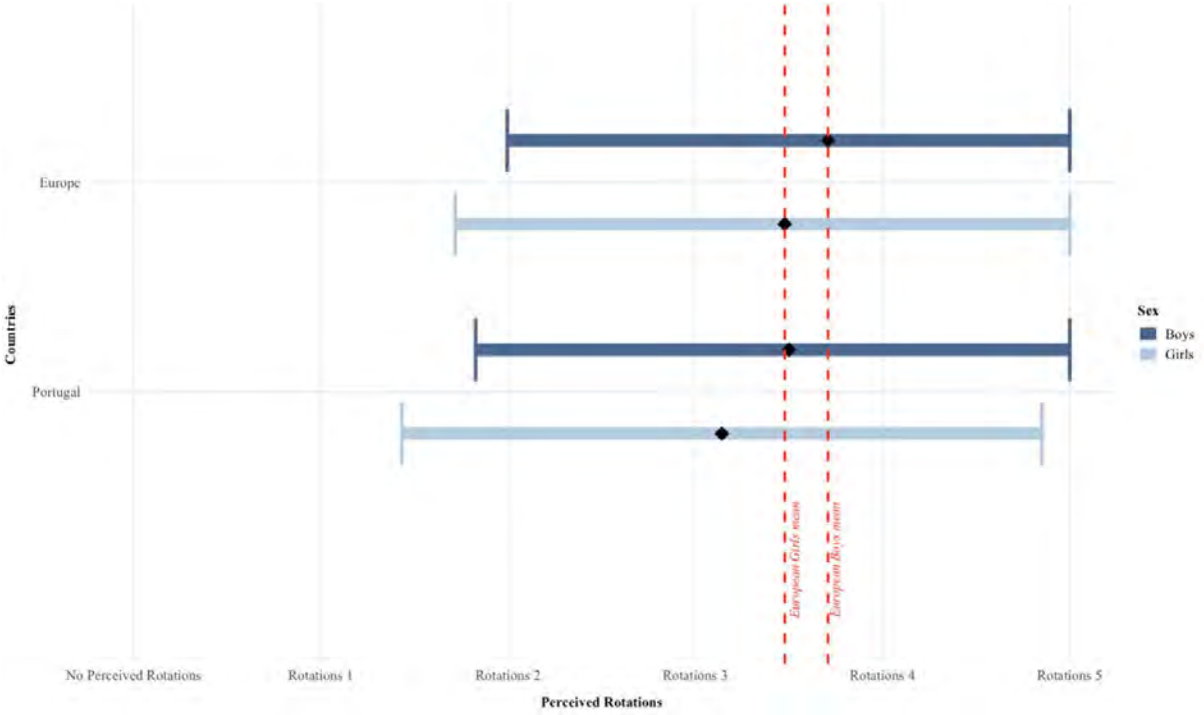


Figure 802. Distribution of the Perceived Rotations according to the Sex in Europe and in Portugal (Mean±SD).

Table 1377. Comparative Analysis of the Perceived Rotations in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	Boys	150	1,156	0.04 *	0.05 [a]	0.23 [1]
	Girls	141	1,171	0.007 **	0.07 [a]	0.35 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1378. Comparative Analysis of the Perceived Rotations in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal	Boys *vs* Girls	150	141	0.05	0.11 [a]	0.47 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

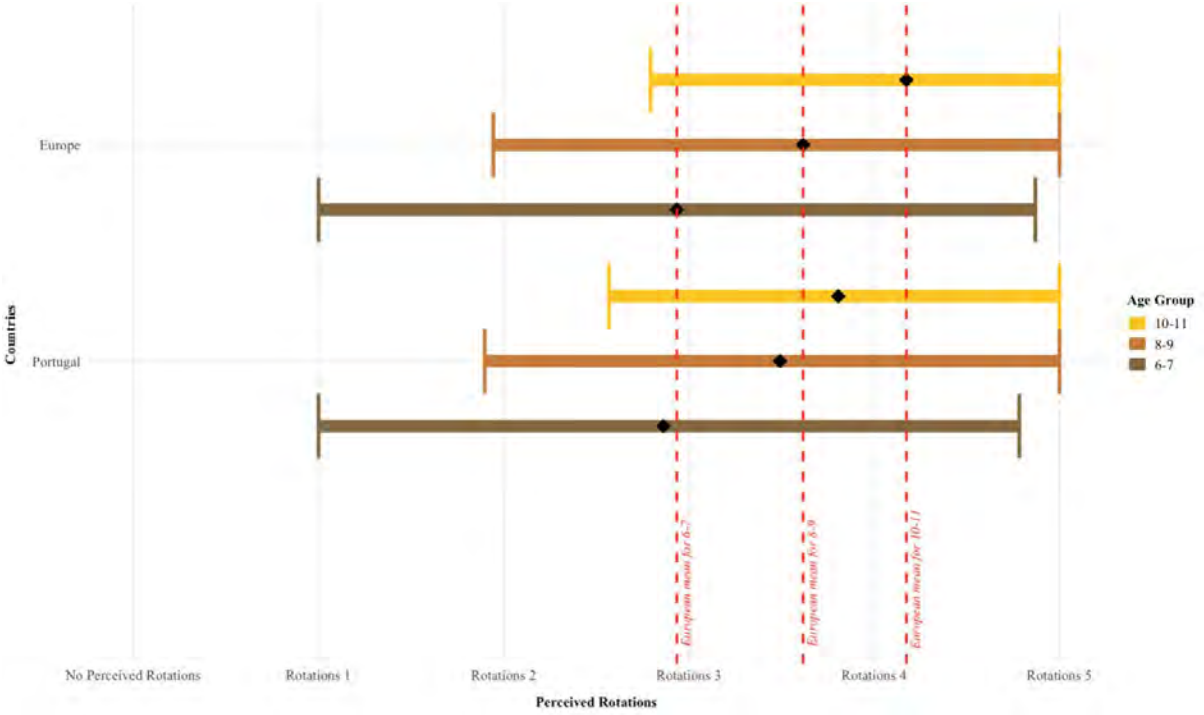


Figure 803. Distribution of the Perceived Rotations according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1379. Comparative Analysis of the Perceived Rotations in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	94	698	0.7	0.01 [a]	0.06 [1]
	8-9 yo	161	874	0.13	0.04 [a]	0.18 [1]
	10-11 yo	36	755	0.01	0.07 [a]	0.14 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1380. Comparative Analysis of the Perceived Rotations in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	94	161		0.02	0.14 [a]	0.6 [2]
	8-9 yo *vs* 10-11 yo		161	36	0.43	0.05 [a]	0.09 [1]
	6-7 yo *vs* 10-11 yo	94		36	0.01	0.21 [b]	0.57 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

4. Perceived breathing

Overview

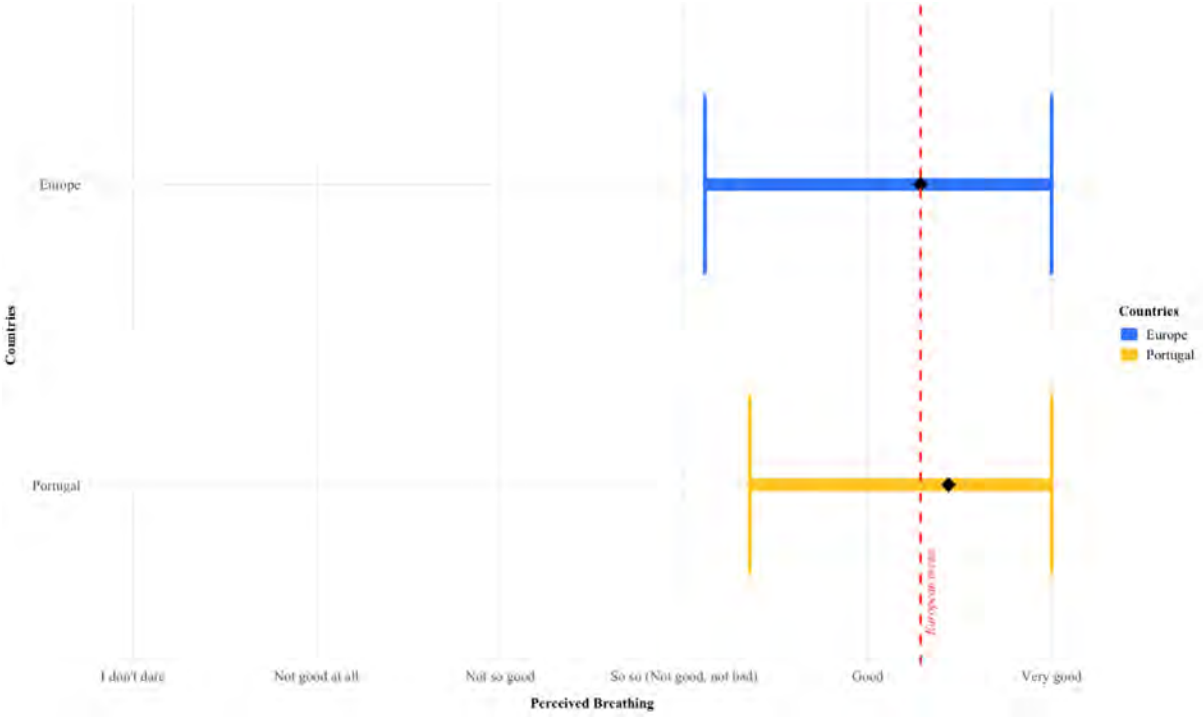


Figure 804. Distribution of the Perceived Breathing in Europe and in Portugal (Mean±SD).

Table 1381. Comparative Analysis of the Perceived Breathing in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	285	2,553	0.005 **	0.09 [a]	0.31 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

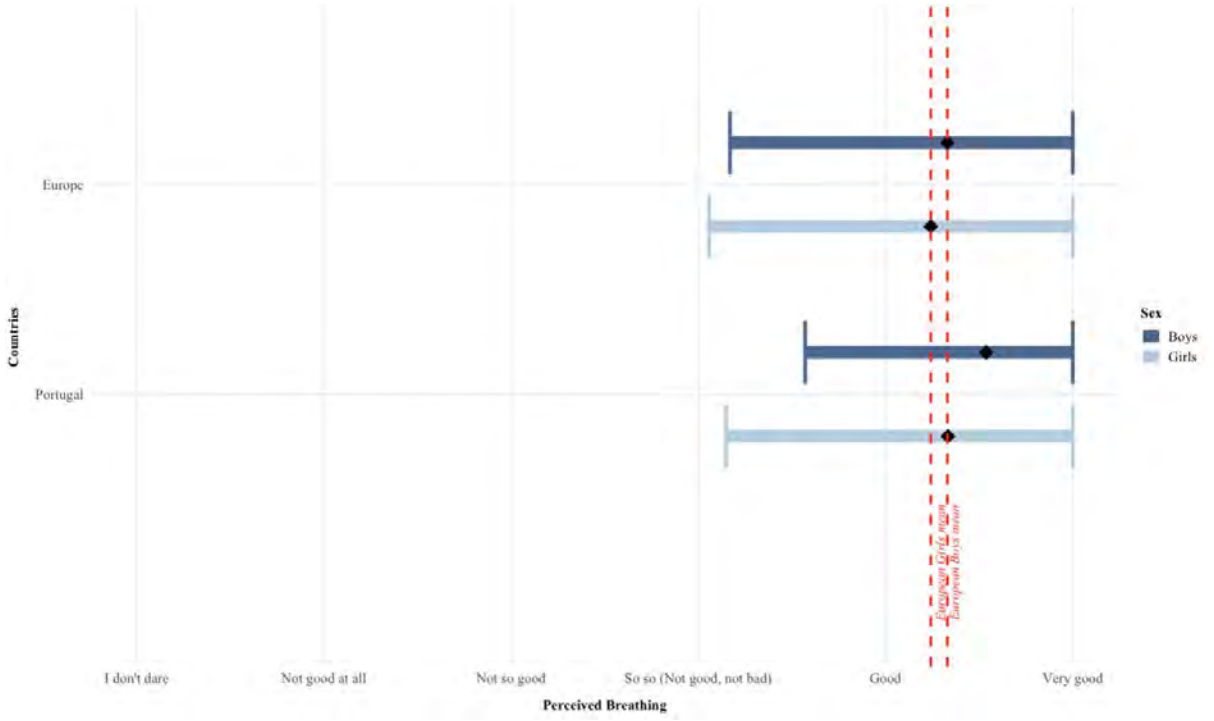


Figure 805. Distribution of the Perceived Breathing according to the Sex in Europe and in Portugal (Mean±SD).

Table 1382. Comparative Analysis of the Perceived Breathing in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	Boys	147	1,286	0.02	0.05 [a]	0.23 [1]
	Girls	138	1,267	0.12	0.04 [a]	0.13 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1383. Comparative Analysis of the Perceived Breathing in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	Boys *vs* Girls	147	138	0.12	0.07 [a]	0.24 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

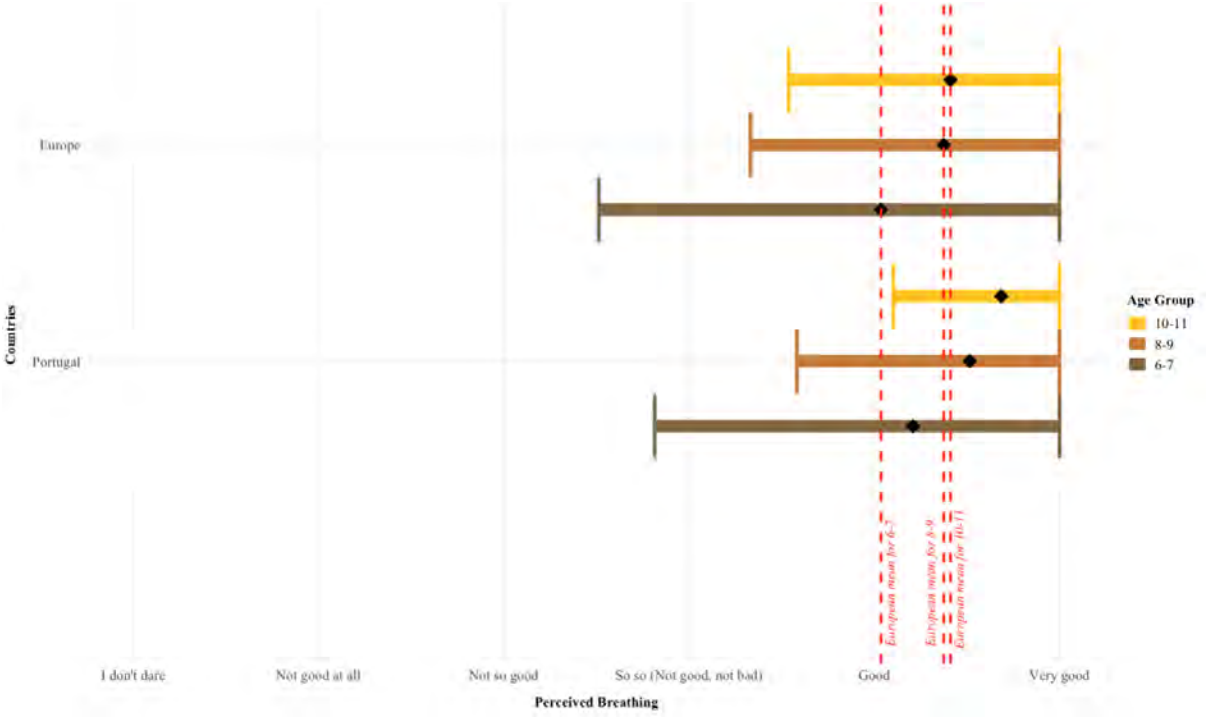


Figure 806. Distribution of the Perceived Breathing according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1384. Comparative Analysis of the Perceived Breathing in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	91	758	0.26	0.03 [a]	0.09 [1]
	8-9 yo	159	981	0.06	0.05 [a]	0.2 [1]
	10-11 yo	35	814	0.06	0.06 [a]	0.1 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1385. Comparative Analysis of the Perceived Breathing in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	91	159		0.26	0.06 [a]	0.14 [1]
	8-9 yo *vs* 10-11 yo		159	35	0.58	0.03 [a]	0.06 [1]
	6-7 yo *vs* 10-11 yo	91		35	0.22	0.09 [a]	0.14 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

5. Perceived treading water

Overview

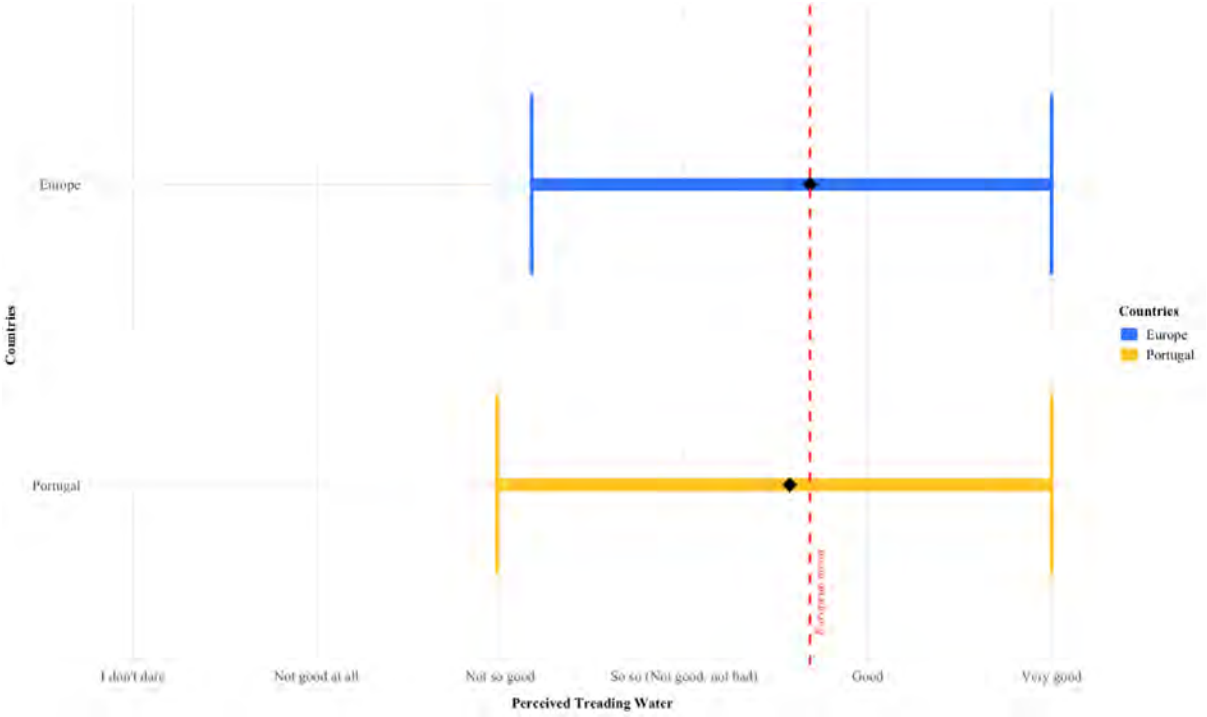


Figure 807. Distribution of the Perceived Treading Water in Europe and in Portugal (Mean±SD).

Table 1386. Comparative Analysis of the Perceived Treading Water at School in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	275	2,569	0.44	0.03 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

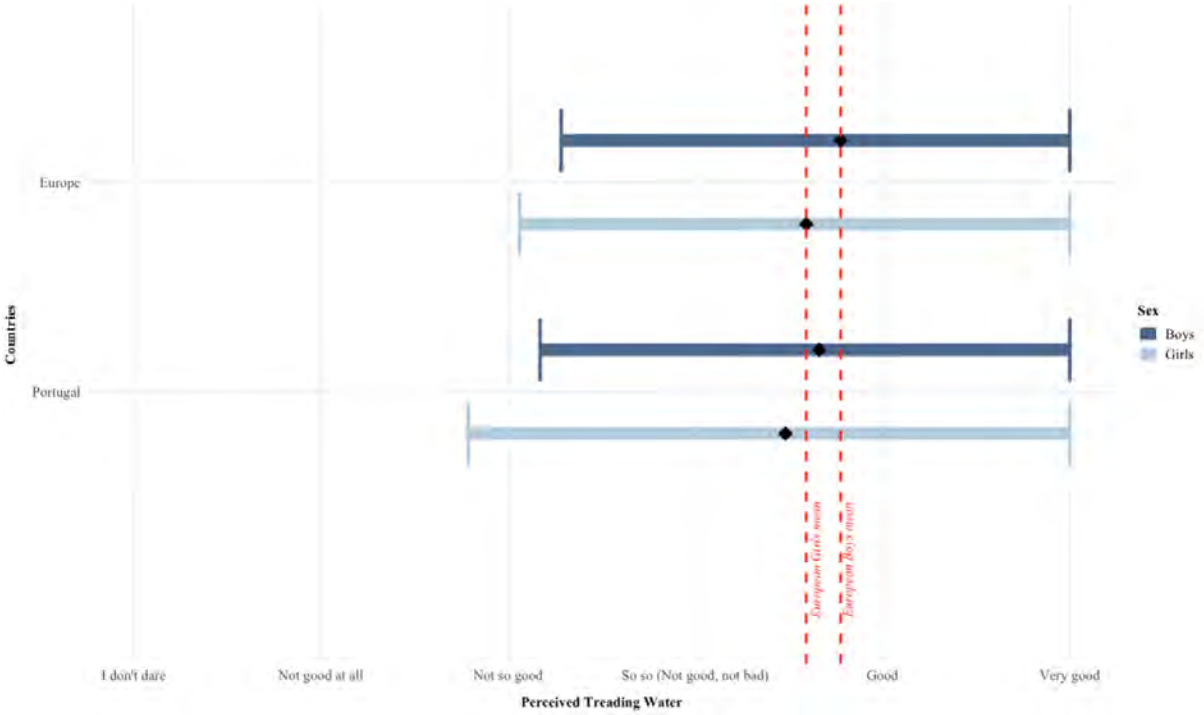


Figure 808. Distribution of the Perceived Treading Water according to the Sex in Europe and in Portugal (Mean±SD).

Table 1387. Comparative Analysis of the Perceived Treading Water in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	Boys	142	1,290	0.27	0.03 [a]	0.09 [1]
	Girls	133	1,279	0.91	0.003 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1388. Comparative Analysis of the Perceived Treading Water in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	Boys *vs* Girls	142	133	0.66	0.02 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

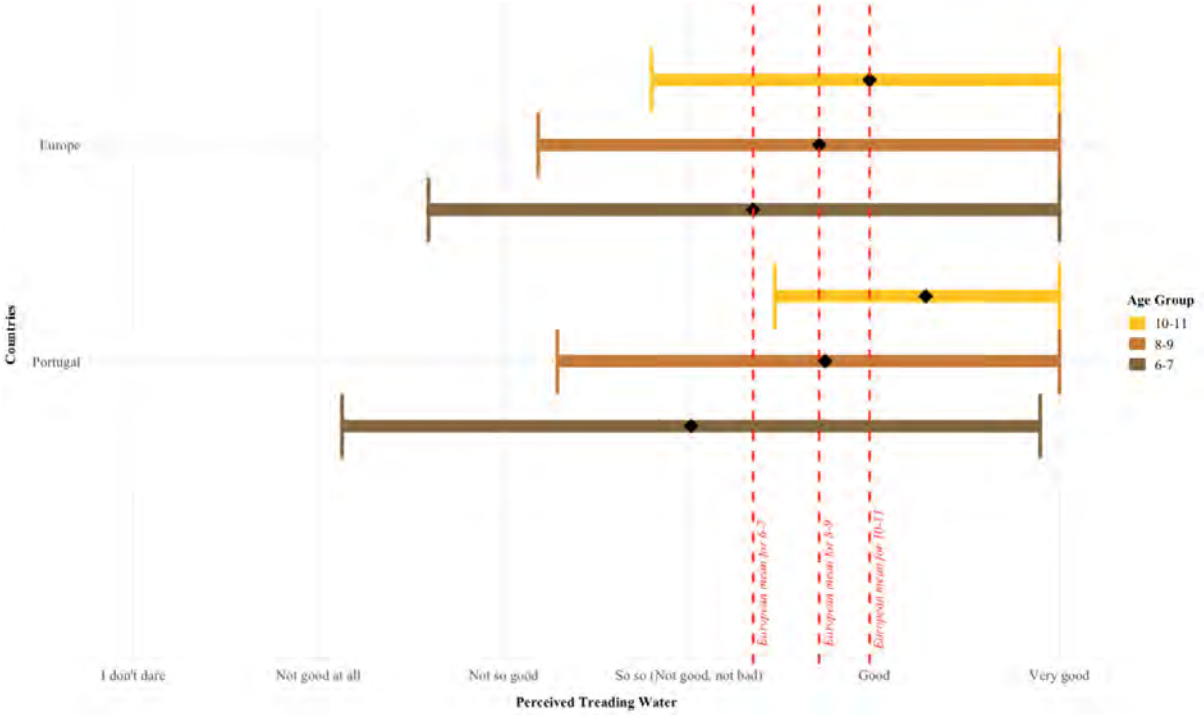


Figure 809. Distribution of the Perceived Treading Water according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1389. Comparative Analysis of the Perceived Treading Water in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	88	759	0.16	0.05 [a]	0.13 [1]
	8-9 yo	151	986	0.93	0.002 [a]	0.05 [1]
	10-11 yo	36	824	0.23	0.04 [a]	0.07 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1390. Comparative Analysis of the Perceived Treading Water in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	88	151		0.009 **	0.16 [a]	0.69 [2]
	8-9 yo *vs* 10-11 yo		151	36	0.11	0.11 [a]	0.22 [1]
	6-7 yo *vs* 10-11 yo	88		36	0.002 **	0.27 [b]	0.8 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

6. Perceived propulsion on the back

Overview

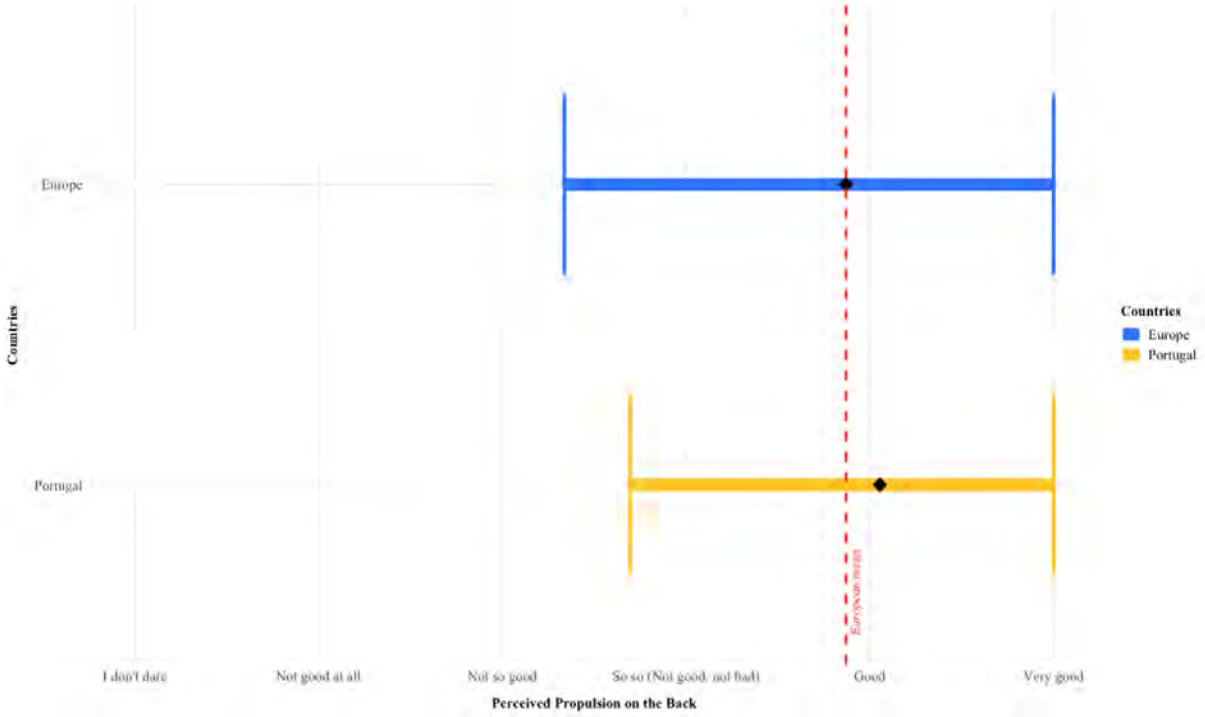


Figure 810. Distribution of the Perceived Propulsion on the Back in Europe and in Portugal (Mean±SD).

Table 1391. Comparative Analysis of the Perceived Propulsion on the Back in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	276	2,526	0.08	0.06 [a]	0.16 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

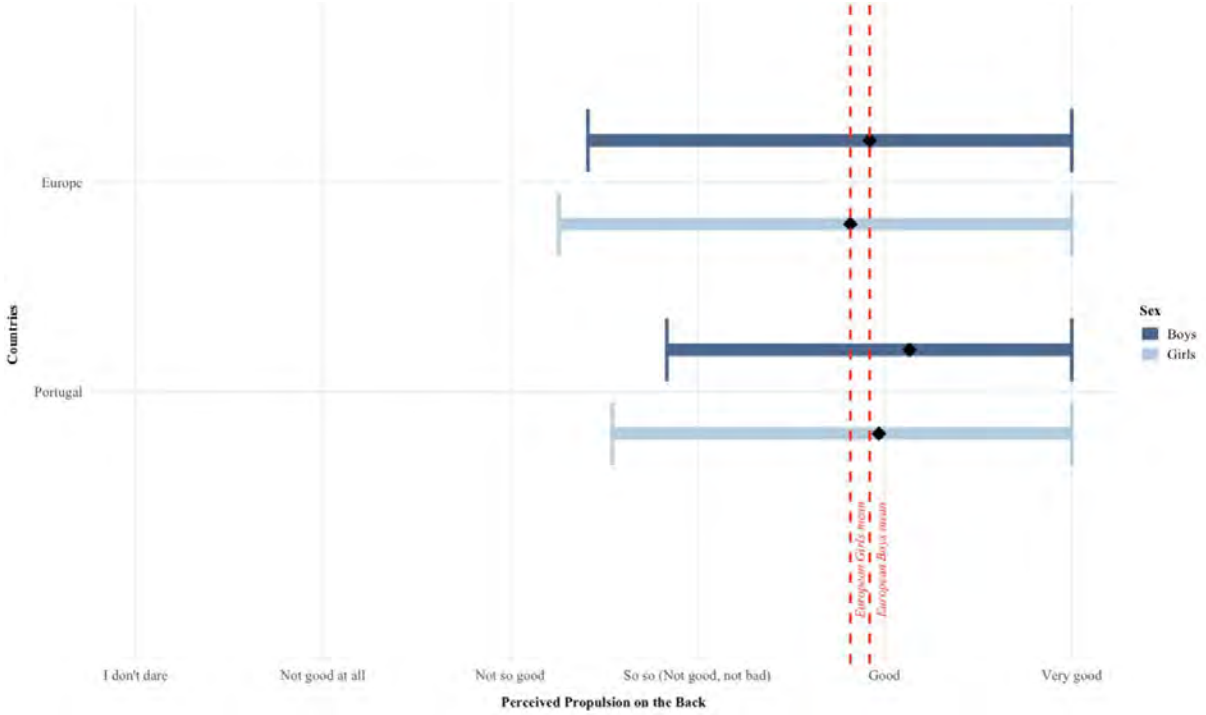


Figure 811. Distribution of the Perceived Propulsion on the Back according to the Sex in Europe and in Portugal (Mean±SD).

Table 1392. Comparative Analysis of the Perceived Propulsion on the Back in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	Boys	143	1,266	0.19	0.03 [a]	0.11 [1]
	Girls	133	1,260	0.28	0.03 [a]	0.09 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1393. Comparative Analysis of the Perceived Propulsion on the Back in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal	Boys *vs* Girls	143	133	0.42	0.04 [a]	0.11 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

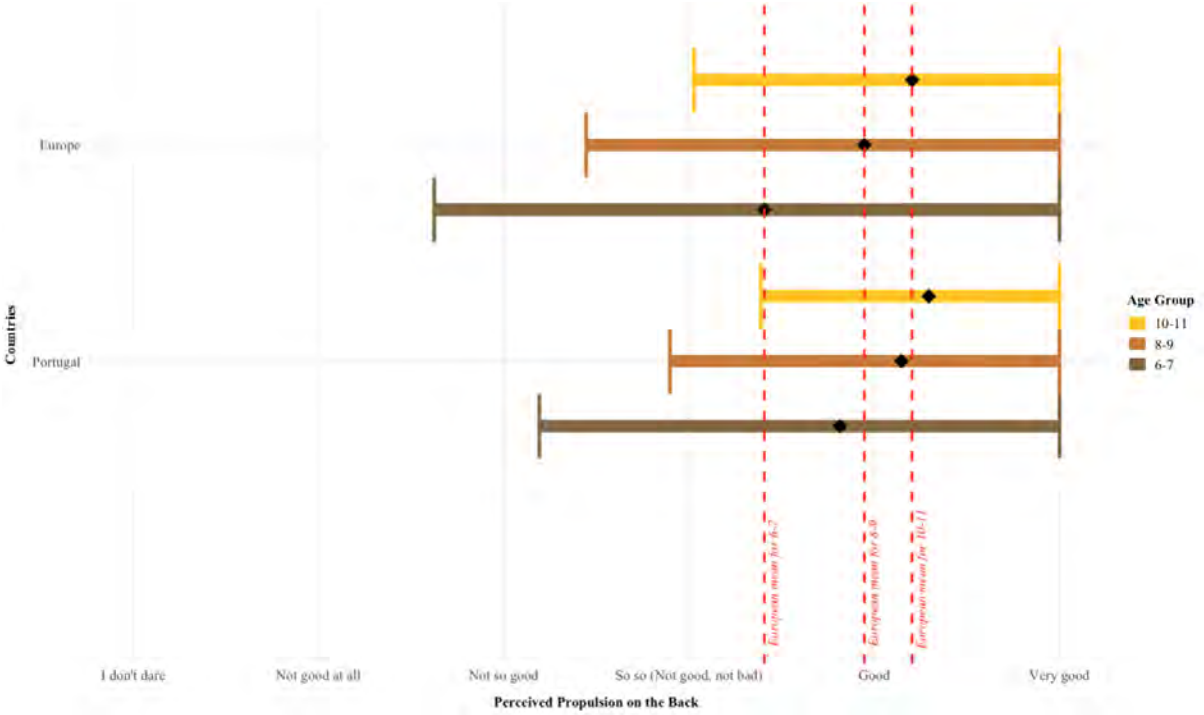


Figure 812. Distribution of the Perceived Propulsion on the Back according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1394. Comparative Analysis of the Perceived Propulsion on the Back in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	92	748	0.02 *	0.07 [a]	0.26 [1]
	8-9 yo	150	964	0.27	0.03 [a]	0.1 [1]
	10-11 yo	34	814	0.87	0.005 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1395. Comparative Analysis of the Perceived Propulsion on the Back in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	92	150		0.27	0.06 [a]	0.16 [1]
	8-9 yo *vs* 10-11 yo		150	34	0.89	0.009 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	92		34	0.59	0.04 [a]	0.07 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

7. Perceived propulsion on the belly

Overview

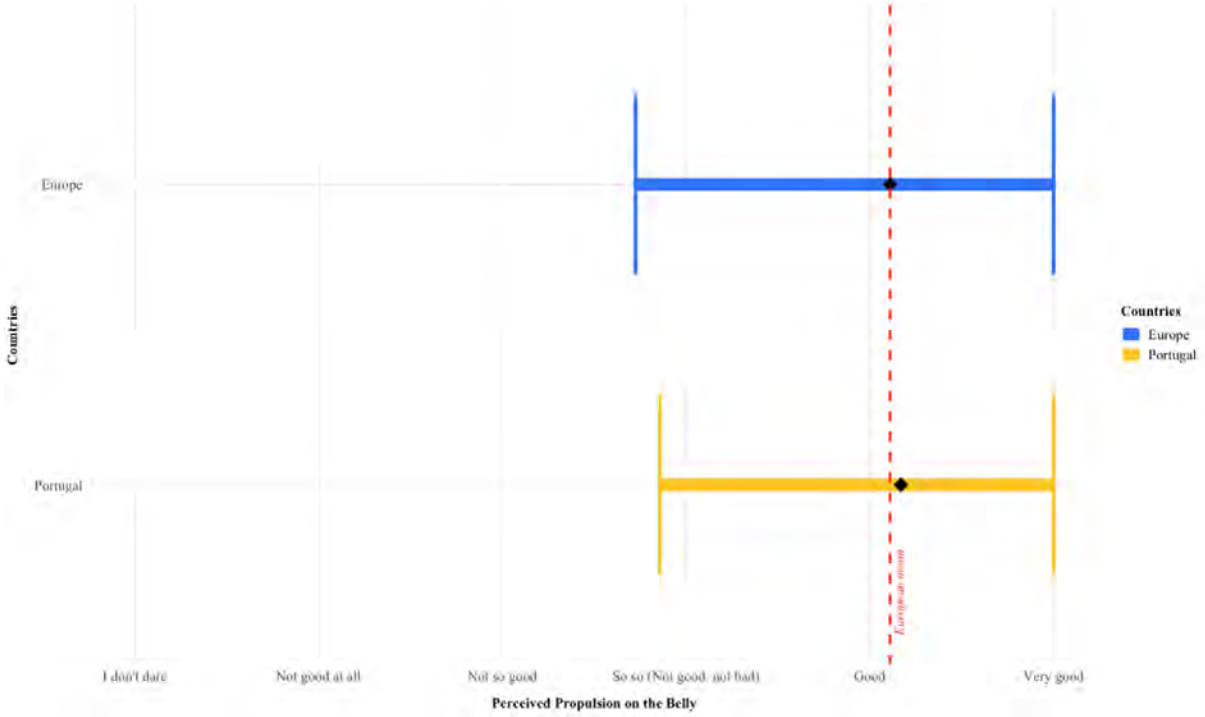


Figure 813. Distribution of the Perceived Propulsion on the Belly in Europe and in Portugal (Mean±SD).

Table 1396. Comparative Analysis of the Perceived Propulsion on the Belly in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	278	2,519	0.49	0.02 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

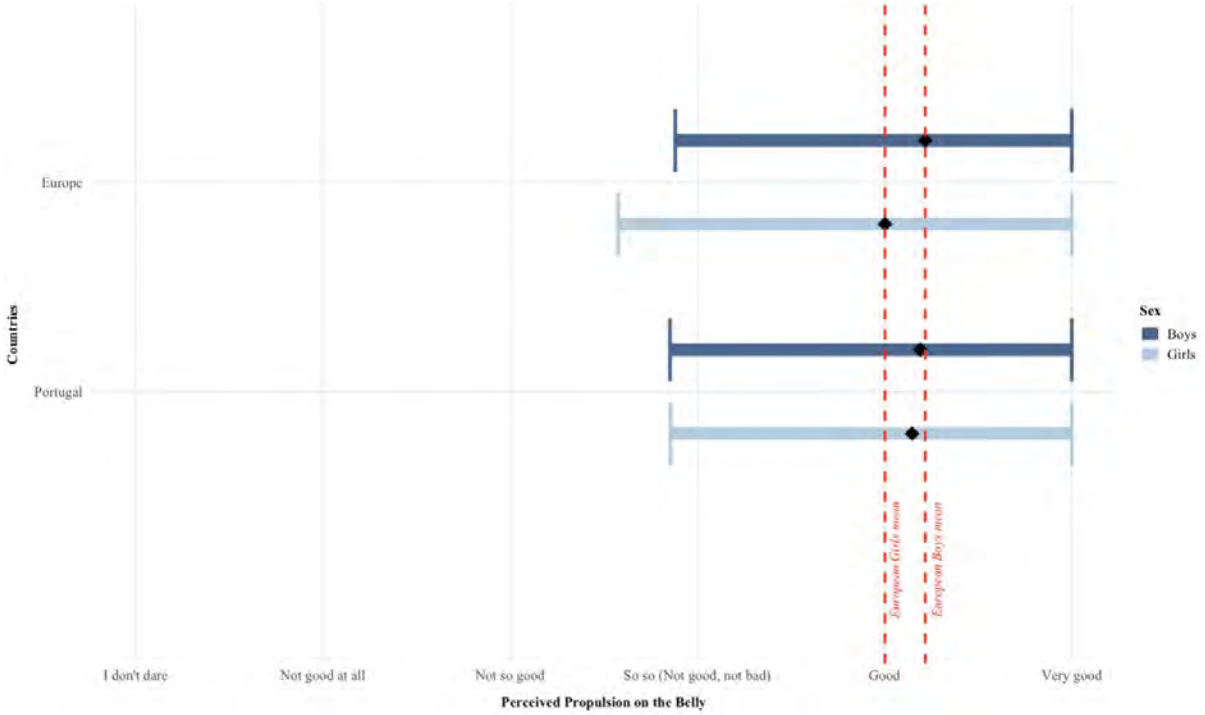


Figure 814. Distribution of the Perceived Propulsion on the Belly according to the Sex in Europe and in Portugal (Mean±SD).

Table 1397. Comparative Analysis of the Perceived Propulsion on the Belly in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	Boys	142	1,260	0.88	0.003 [a]	0.05 [1]
	Girls	136	1,259	0.27	0.03 [a]	0.09 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1398. Comparative Analysis of the Perceived Propulsion on the Belly in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	Boys *vs* Girls	142	136	0.51	0.03 [a]	0.09 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

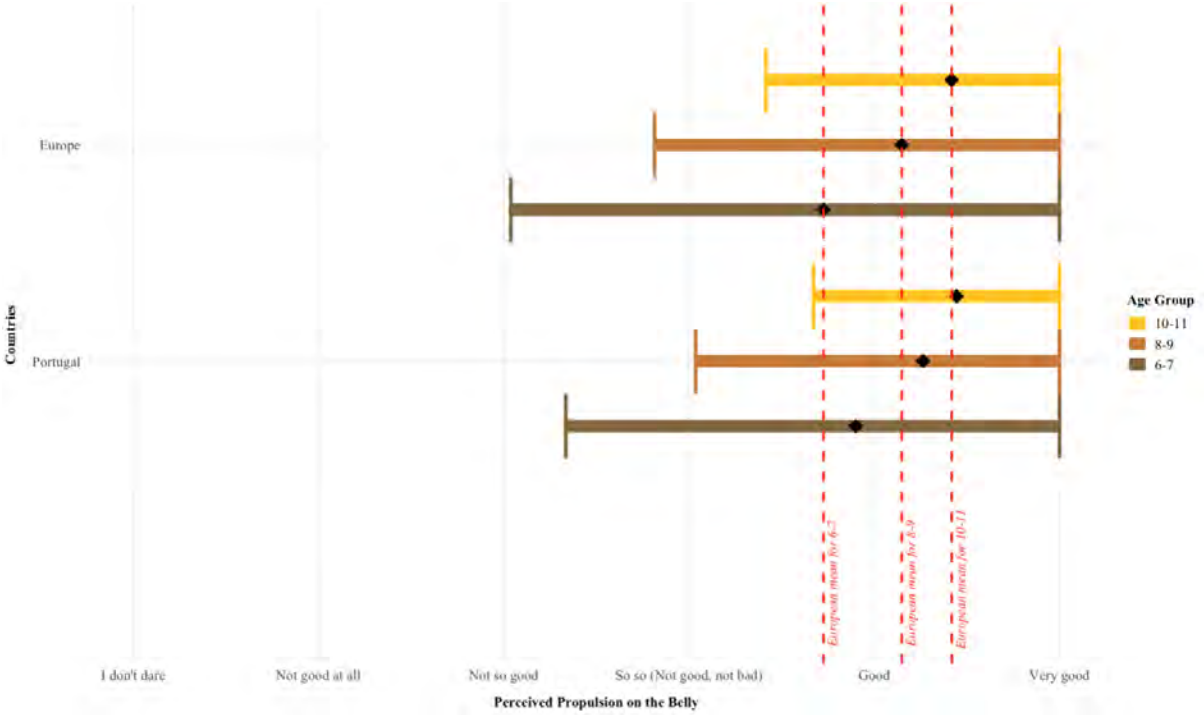


Figure 815. Distribution of the Perceived Propulsion on the Belly according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1399. Comparative Analysis of the Perceived Propulsion on the Belly in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	80	743	0.28	0.03 [a]	0.09 [1]
	8-9 yo	152	969	0.33	0.02 [a]	0.09 [1]
	10-11 yo	36	807	0.61	0.01 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1400. Comparative Analysis of the Perceived Propulsion on the Belly in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	80	152		0.17	0.08 [a]	0.21 [1]
	8-9 yo *vs* 10-11 yo		152	36	0.95	0.004 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	80		36	0.34	0.07 [a]	0.12 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

8. Perceived submersion

Overview

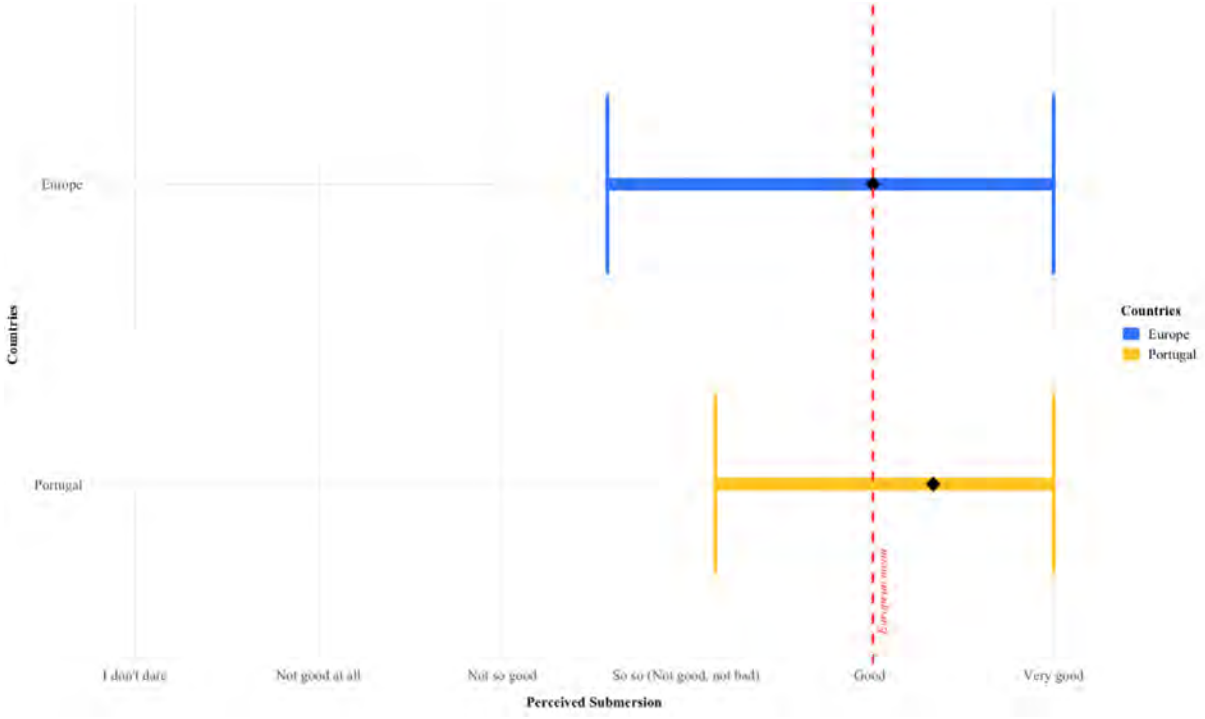


Figure 816. Distribution of the Perceived Submersion in Europe and in Portugal (Mean±SD).

Table 1401. Comparative Analysis of the Perceived Submersion in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	279	2,522	3.44^{e-05} ***	0.14 [a]	0.61 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

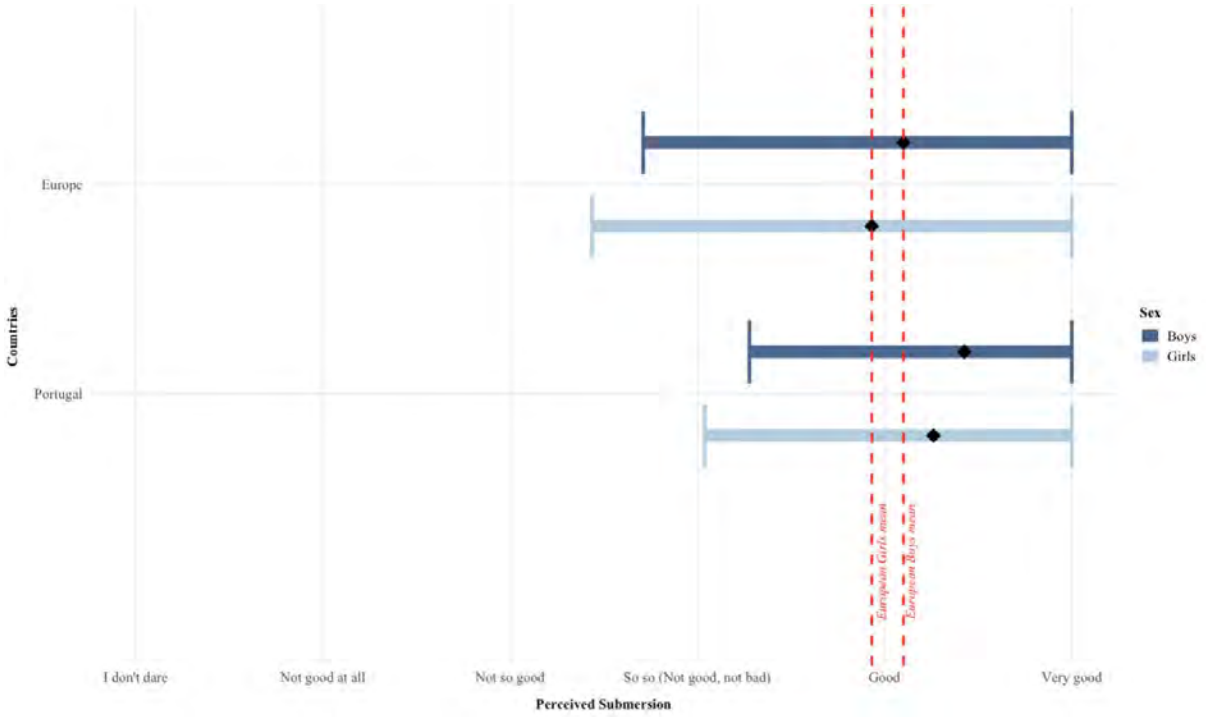


Figure 817. Distribution of the Perceived Submersion according to the Sex in Europe and in Portugal (Mean±SD).

Table 1402. Comparative Analysis of the Perceived Submersion in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	Boys	141	1,266	0.001 **	0.08 [a]	0.41 [1]
	Girls	138	1,256	0.009 **	0.06 [a]	0.3 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1403. Comparative Analysis of the Perceived Submersion in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal	Boys *vs* Girls	141	138	0.09	0.08 [a]	0.29 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

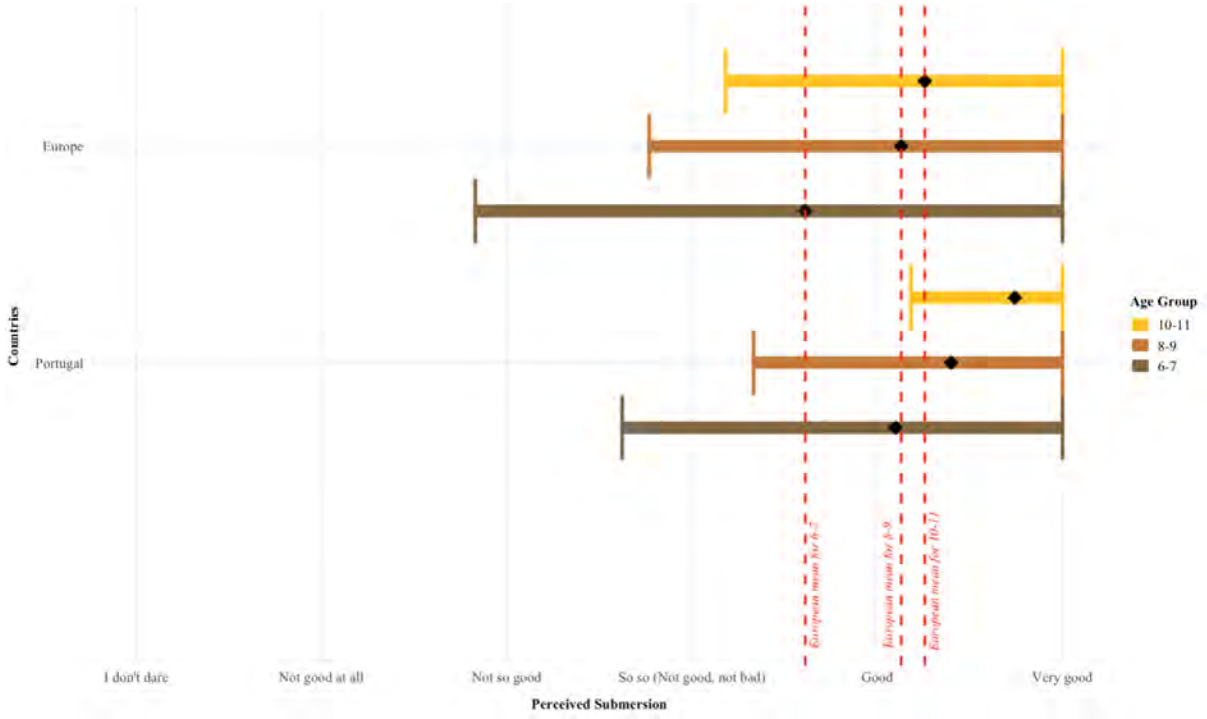


Figure 818. Distribution of the Perceived Submersion according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1404. Comparative Analysis of the Perceived Submersion in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	91	746	0.006 **	0.09 [a]	0.35 [1]
	8-9 yo	153	966	0.03 *	0.06 [a]	0.27 [1]
	10-11 yo	35	810	0.003 **	0.09 [a]	0.18 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1405. Comparative Analysis of the Perceived Submersion in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	91	153		0.4	0.04 [a]	0.1 [1]
	8-9 yo *vs* 10-11 yo		153	35	0.1	0.1 [a]	0.18 [1]
	6-7 yo *vs* 10-11 yo	91		35	0.05	0.14 [a]	0.3 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

9. Perceived floating

Overview

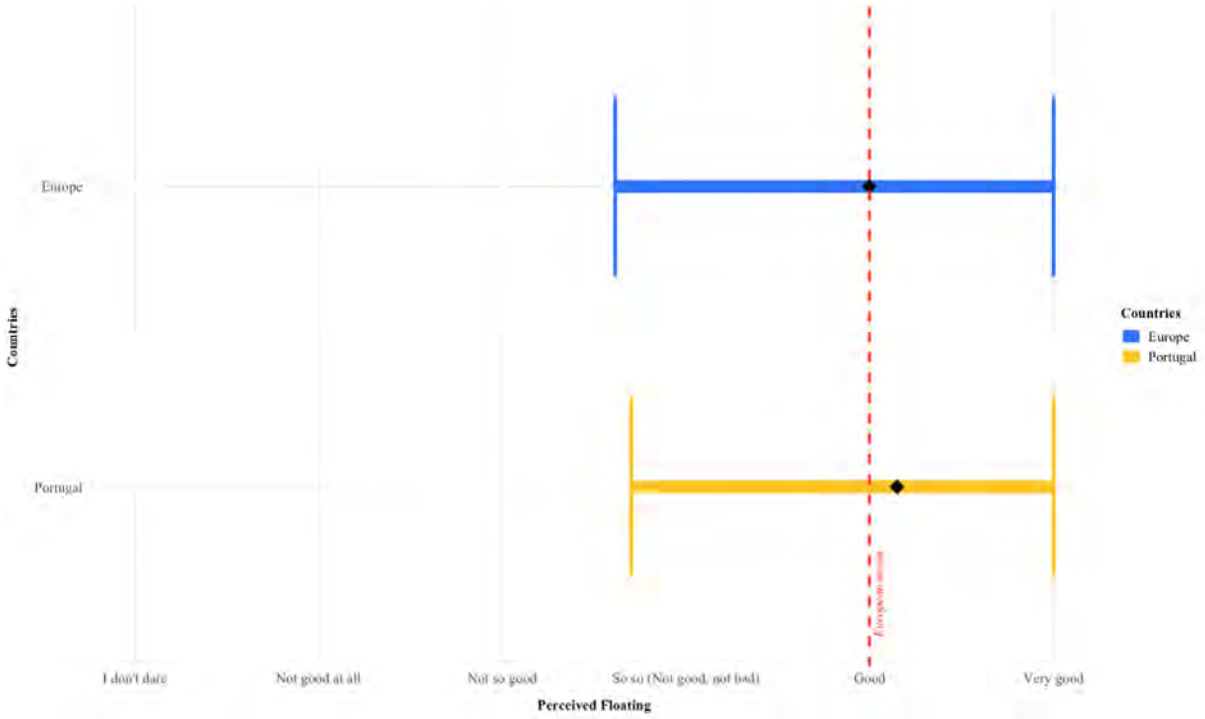


Figure 819. Distribution of the Perceived Floating in Europe and in Portugal (Mean±SD).

Table 1406. Comparative Analysis of the Perceived Floating in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	285	2,525	8.7^{e-04} ***	0.11 [a]	0.45 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

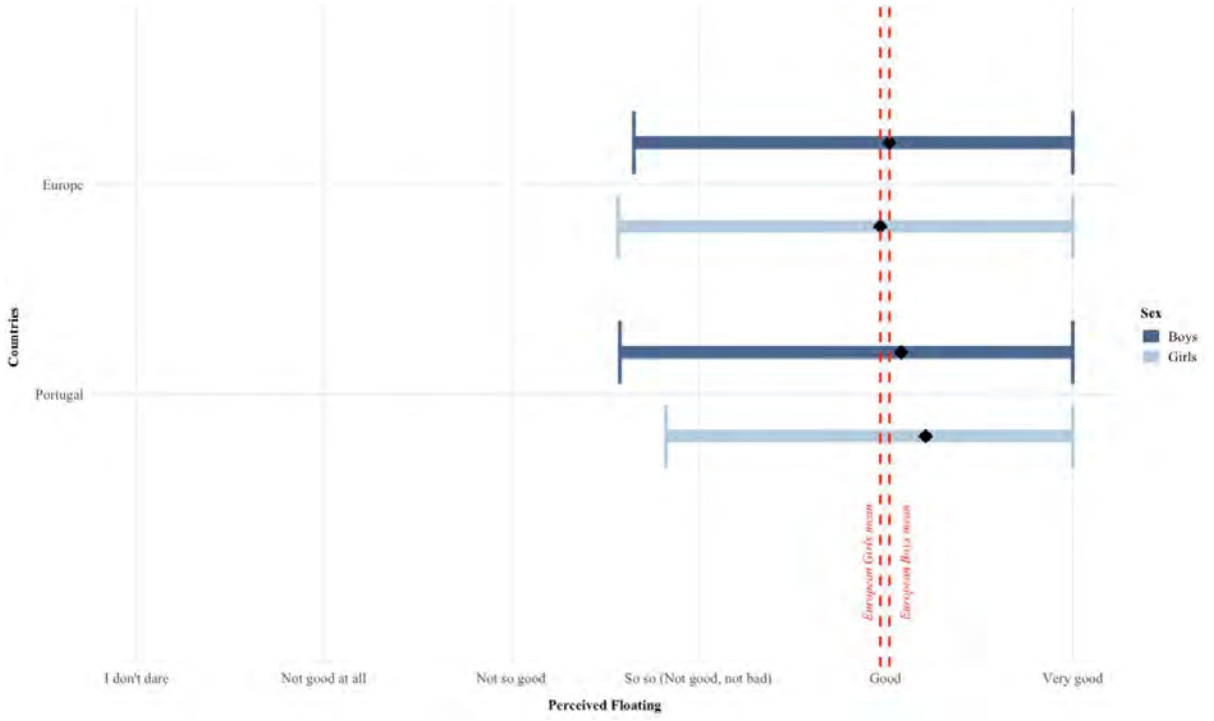


Figure 820. Distribution of the Perceived Floating according to the Sex in Europe and in Portugal (Mean±SD).

Table 1407. Comparative Analysis of the Perceived Floating in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	Boys	145	1,266	0.08	0.04 [a]	0.17 [1]
	Girls	140	1,259	0.003 **	0.07 [a]	0.37 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1408. Comparative Analysis of the Perceived Floating in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	Boys *vs* Girls	145	140	0.56	0.03 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

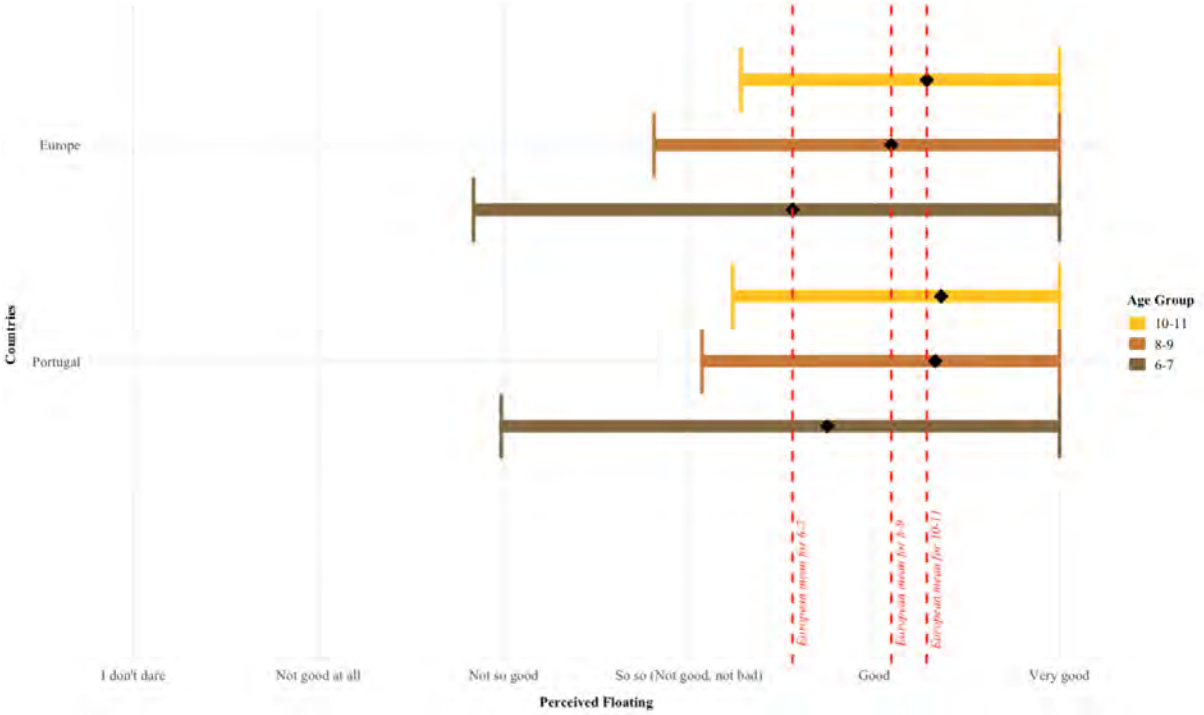


Figure 821. Distribution of the Perceived Floating according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1409. Comparative Analysis of the Perceived Floating in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	91	745	0.11	0.05 [a]	0.15 [1]
	8-9 yo	158	966	0.002 **	0.08 [a]	0.51 [2]
	10-11 yo	36	814	0.29	0.03 [a]	0.07 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1410. Comparative Analysis of the Perceived Floating in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	91	158		0.02 *	0.12 [a]	0.45 [1]
	8-9 yo *vs* 10-11 yo		158	36	0.84	0.01 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	91		36	0.17	0.11 [a]	0.19 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

e. Enjoyment

1. Swimming lessons at school

This section is non-applicable because there are no swimming lessons at school in Portugal.

2. Swimming lessons at school with friends

This section is non-applicable because there are no swimming lessons at school in Portugal.

3. Swimming lessons out-of-school

Overview

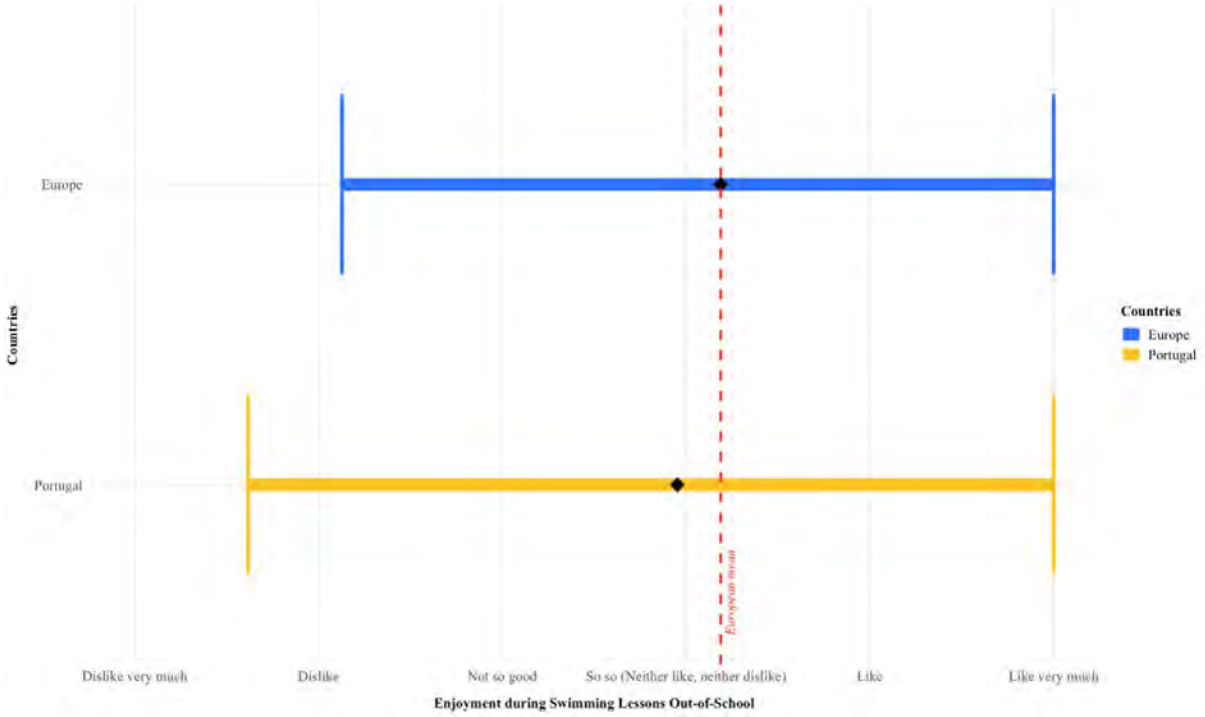


Figure 822. Distribution of the Enjoyment during Swimming Lessons Out-of-School in Europe and in Portugal (Mean±SD).

Table 1411. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	269	2,602	0.8	0.009 [a]	0.05 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

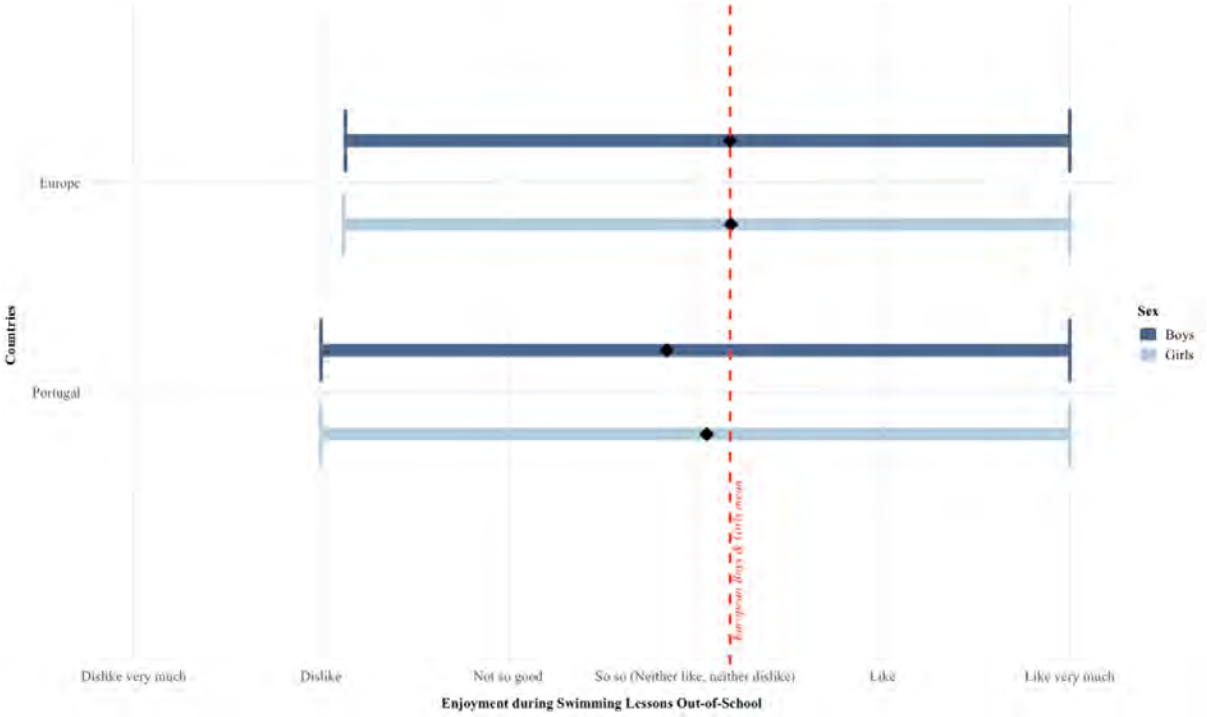


Figure 823. Distribution of the Enjoyment during Swimming Lessons Out-of-School according to the Sex in Europe and in Portugal (Mean±SD).

Table 1412. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* **Europe**	Boys	138	1,306	0.31	0.02 [a]	0.09 [1]
	Girls	131	1,296	0.49	0.02 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1413. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal	Boys *vs* Girls	138	131	0.28	0.06 [a]	0.17 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

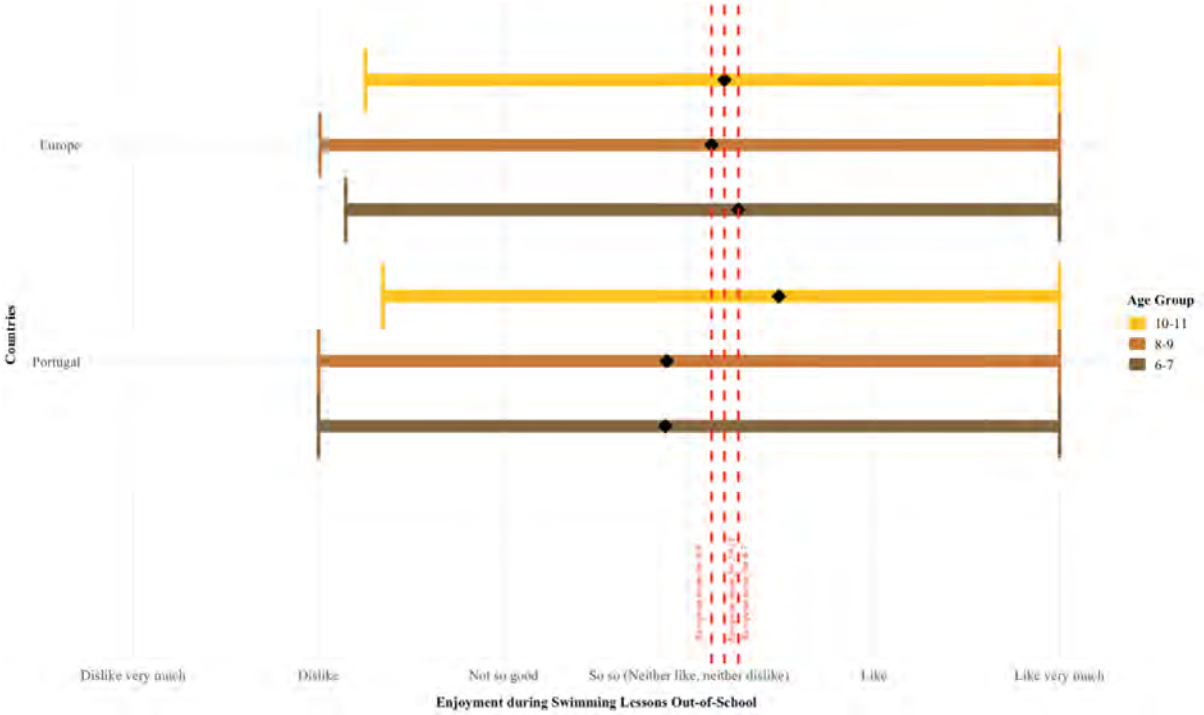


Figure 824. Distribution of the Enjoyment during Swimming Lessons Out-of-School according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1414. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	86	781	0.31	0.03 [a]	0.08 [1]
	8-9 yo	150	991	0.59	0.01 [a]	0.06 [1]
	10-11 yo	33	830	0.08	0.06 [a]	0.1 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1415. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	86	150		0.77	0.02 [a]	0.06 [1]
	8-9 yo *vs* 10-11 yo		150	33	0.12	0.11 [a]	0.2 [1]
	6-7 yo *vs* 10-11 yo	86		33	0.21	0.1 [a]	0.17 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

4. Swimming lessons out-of-school with friends

Overview

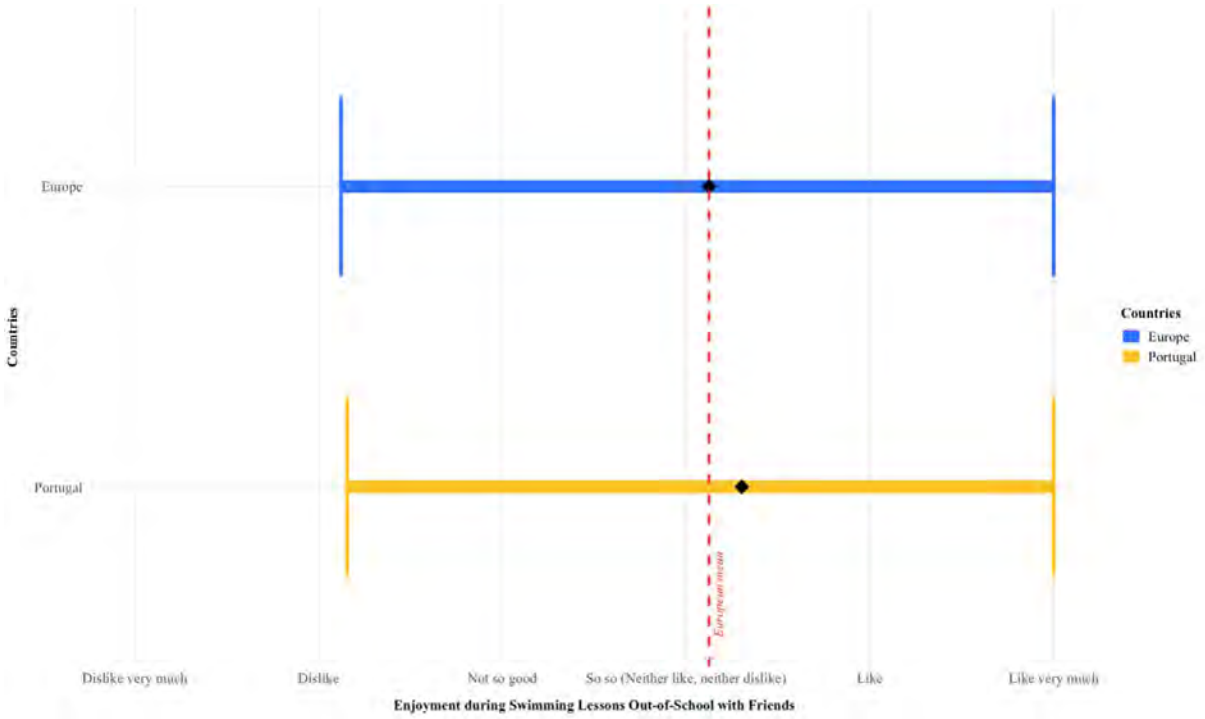


Figure 825. Distribution of the Enjoyment during Swimming Lessons Out-of-School with Friends in Europe and in Portugal (Mean±SD).

Table 1416. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	264	2,600	0.01 *	0.09 [a]	0.28 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

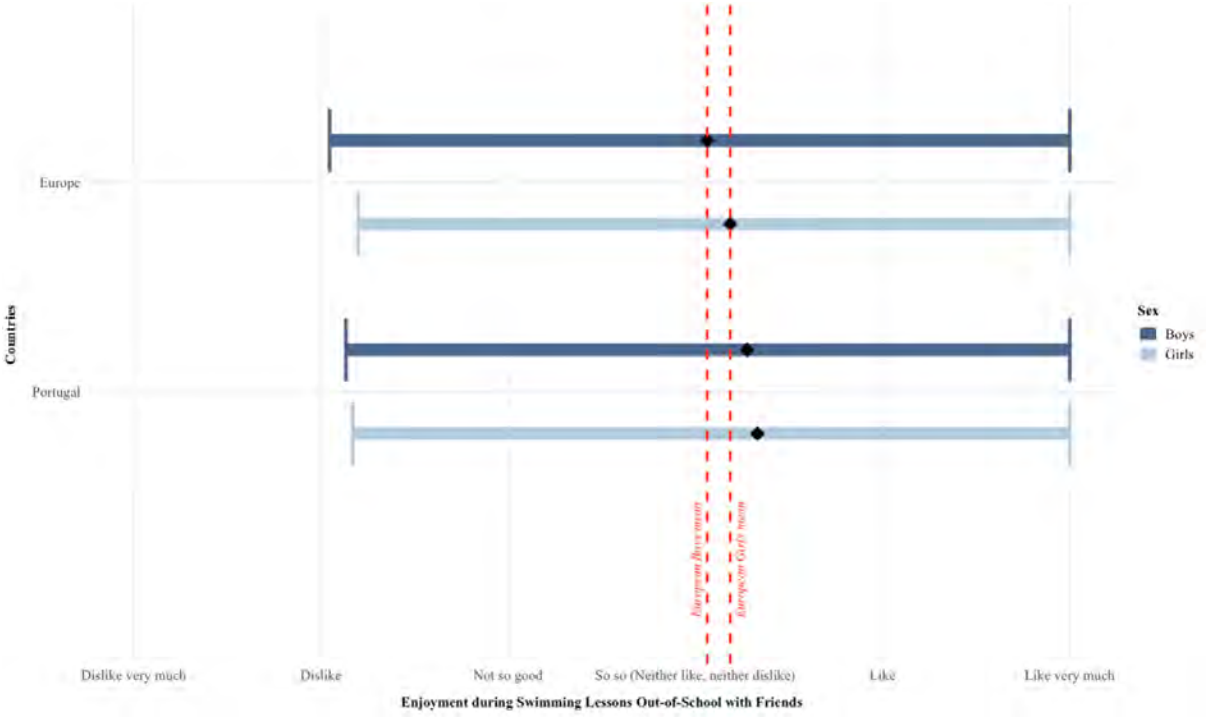


Figure 826. Distribution of the Enjoyment during Swimming Lessons Out-of-School with Friends according to the Sex the Sex in Europe and in Portugal (Mean±SD).

Table 1417. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* **Europe**	Boys	134	1,299	0.08	0.04 [a]	0.16 [1]
	Girls	130	1,301	0.07	0.05 [a]	0.17 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1418. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	Boys *vs* Girls	134	130	0.69	0.02 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

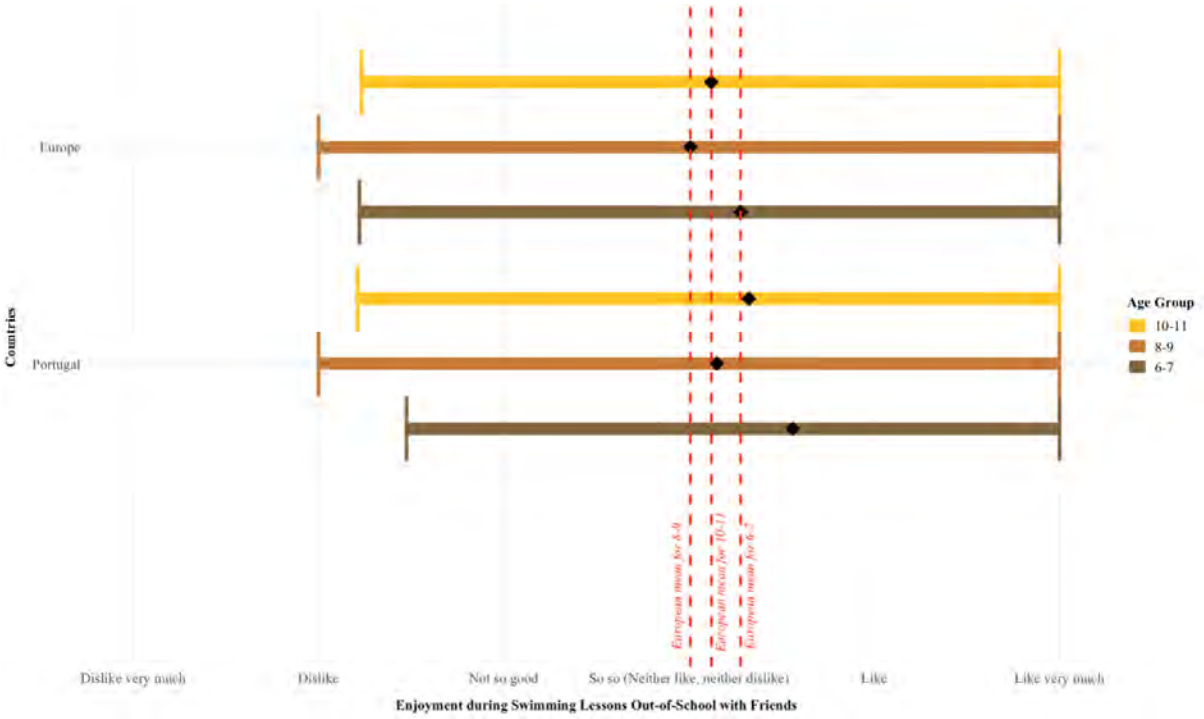


Figure 827. Distribution of the Enjoyment during Swimming Lessons Out-of-School with Friends according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1419. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	84	783	0.11	0.05 [a]	0.14 [1]
	8-9 yo	146	992	0.17	0.04 [a]	0.14 [1]
	10-11 yo	34	825	0.21	0.04 [a]	0.08 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1420. Comparative Analysis of the Enjoyment during Swimming Lessons Out-of-School with Friends in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	84	146		0.09	0.1 [a]	0.32 [1]
	8-9 yo *vs* 10-11 yo		146	34	0.62	0.03 [a]	0.06 [1]
	6-7 yo *vs* 10-11 yo	84		34	0.5	0.05 [a]	0.08 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

5. Playing in the swimming pool

Overview

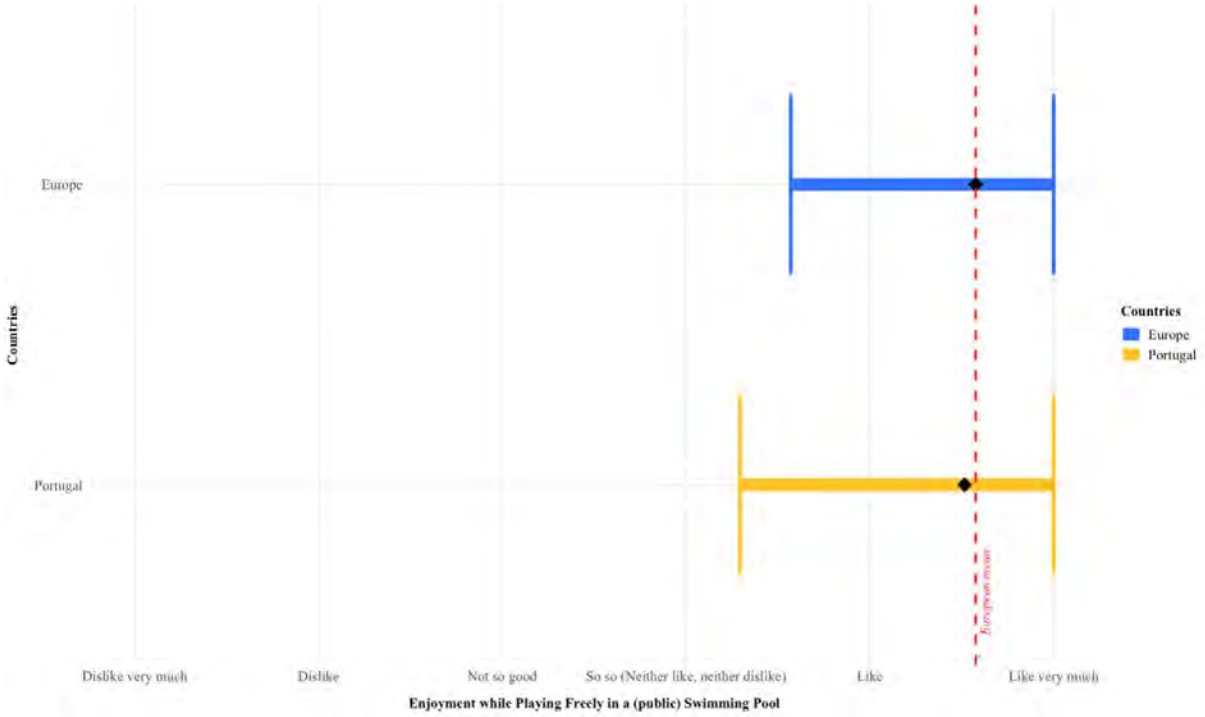


Figure 828. Distribution of the Enjoyment while Playing Freely in the Swimming Pool in Europe and in Portugal (Mean±SD).

Table 1421. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* **Europe**	289	2,686	0.4	0.02 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

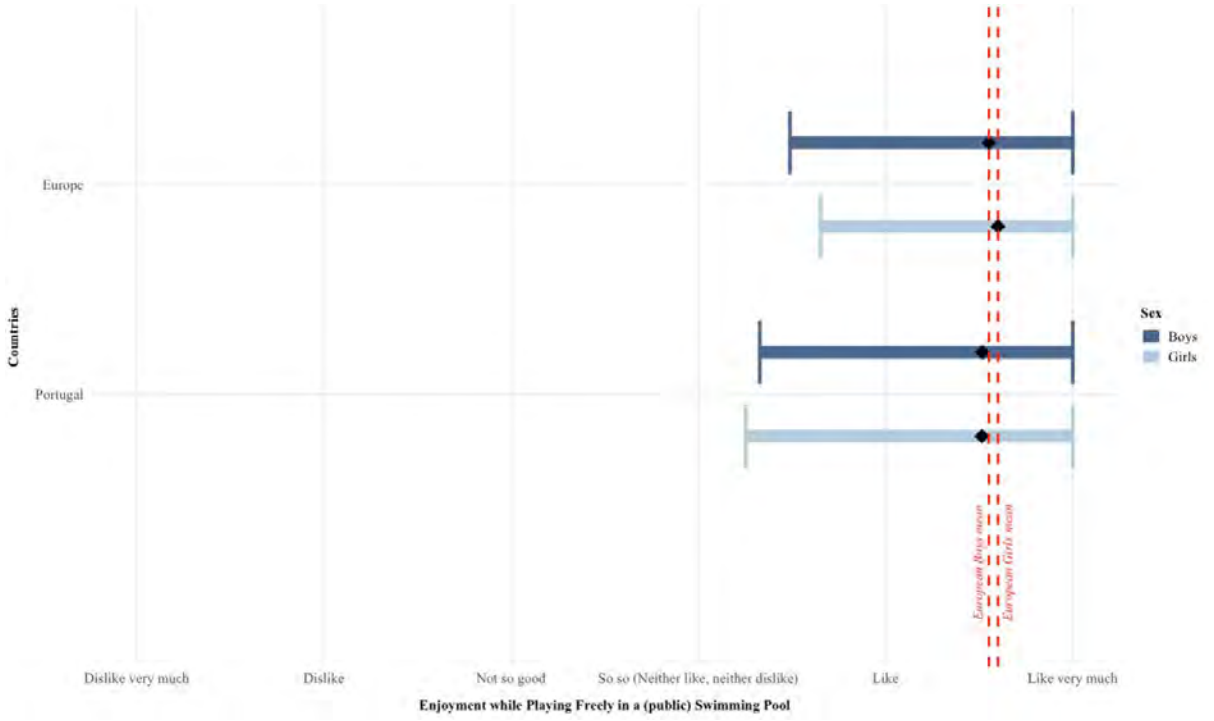


Figure 829. Distribution of the Enjoyment while Playing Freely in the Swimming Pool according to the Sex in Europe and in Portugal (Mean±SD).

Table 1422. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	Boys	149	1,347	0.79	0.005 [a]	0.05 [1]
	Girls	140	1,339	0.34	0.02 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1423. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal	Boys *vs* Girls	149	140	0.6	0.02 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

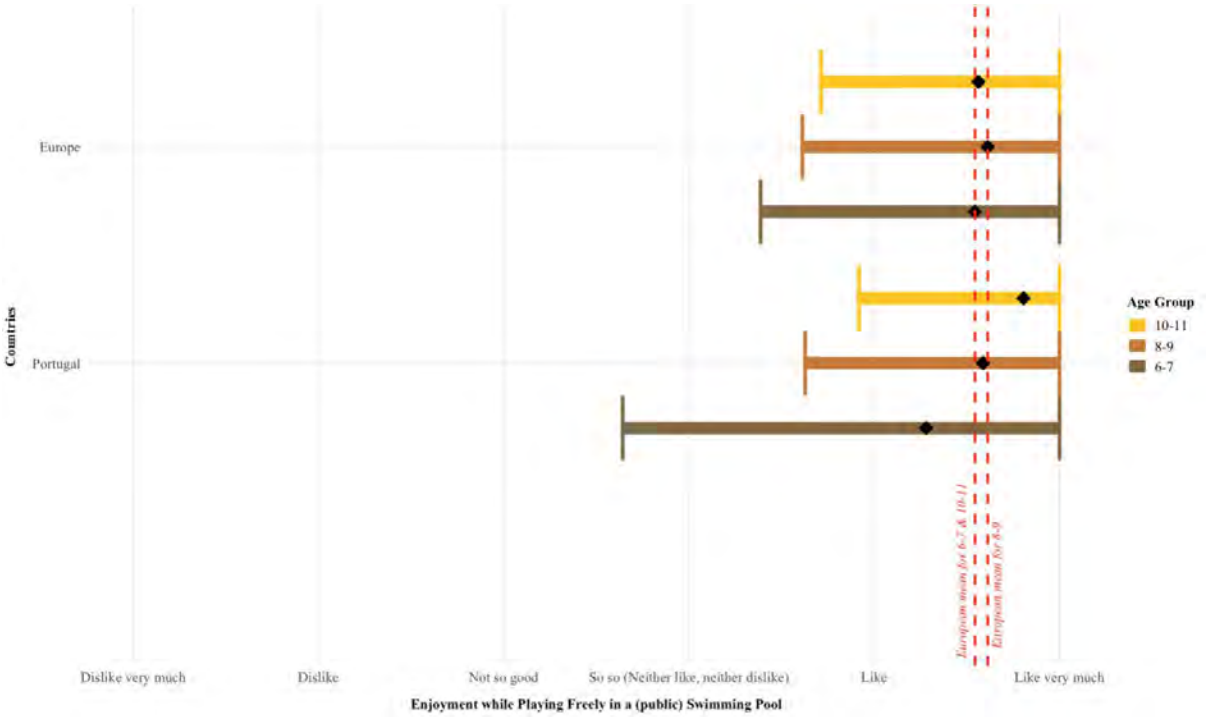


Figure 830. Distribution of the Enjoyment while Playing Freely in the Swimming Pool according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1424. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	93	802	0.52	0.01 [a]	0.06 [1]
	8-9 yo	160	1,031	0.52	0.01 [a]	0.06 [1]
	10-11 yo	36	853	0.004	0.08 [a]	0.14 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1425. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	93	160		0.89	0.006 [a]	0.05 [1]
	8-9 yo *vs* 10-11 yo		160	36	0.03	0.1 [a]	0.2 [1]
	6-7 yo *vs* 10-11 yo	93		36	0.04	0.11 [a]	0.21 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

6. Playing in the swimming pool with friends

Overview

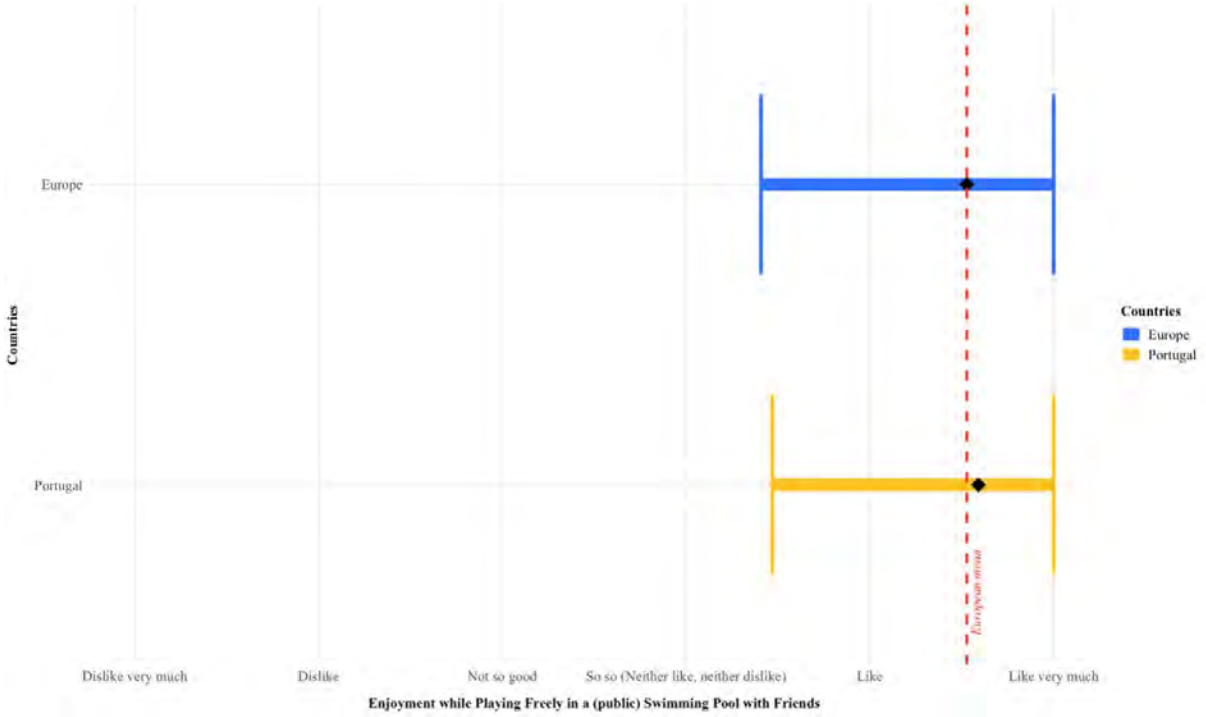


Figure 831. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Europe and in Portugal (Mean±SD).

Table 1426. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	286	2,683	0.06	0.05 [a]	0.13 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

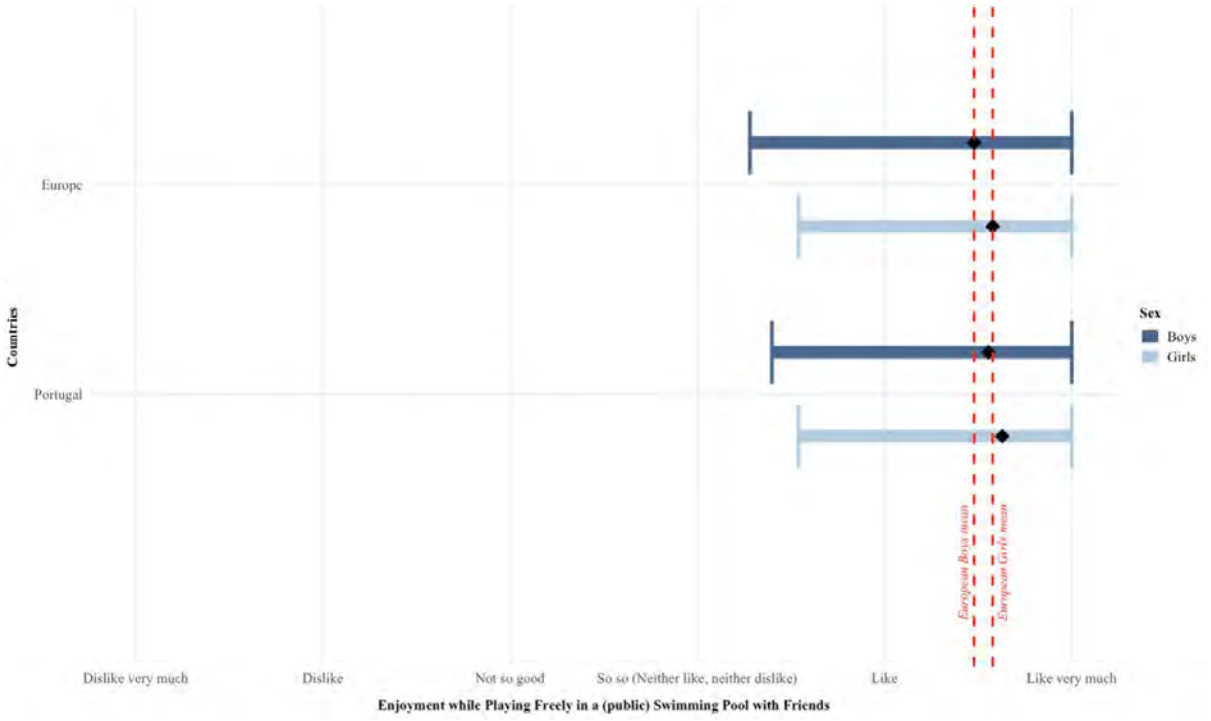


Figure 832. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Friends according to the Sex in Europe and in Portugal (Mean±SD).

Table 1427. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	Boys	146	1,341	0.28	0.02 [a]	0.08 [1]
	Girls	140	1,342	0.1	0.03 [a]	0.11 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1428. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	Boys *vs* Girls	146	140	0.45	0.03 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

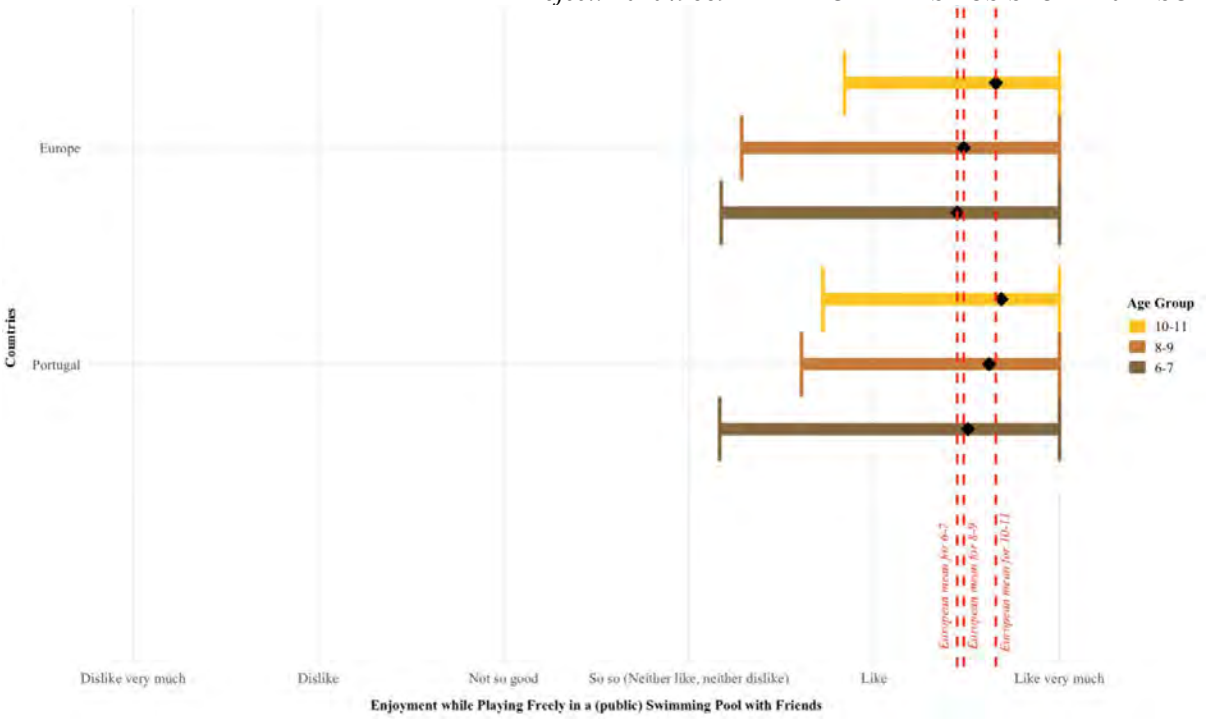


Figure 833. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Friends according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1429. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	93	803	0.15	0.03 [a]	0.1 [1]
	8-9 yo	158	1,027	0.35	0.02 [a]	0.09 [1]
	10-11 yo	35	853	0.31	0.02 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1430. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Friends in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	93	158		0.54	0.03 [a]	0.07 [1]
	8-9 yo *vs* 10-11 yo		158	35	0.51	0.03 [a]	0.06 [1]
	6-7 yo *vs* 10-11 yo	93		35	0.82	0.01 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

7. Playing in the swimming pool with family

Overview

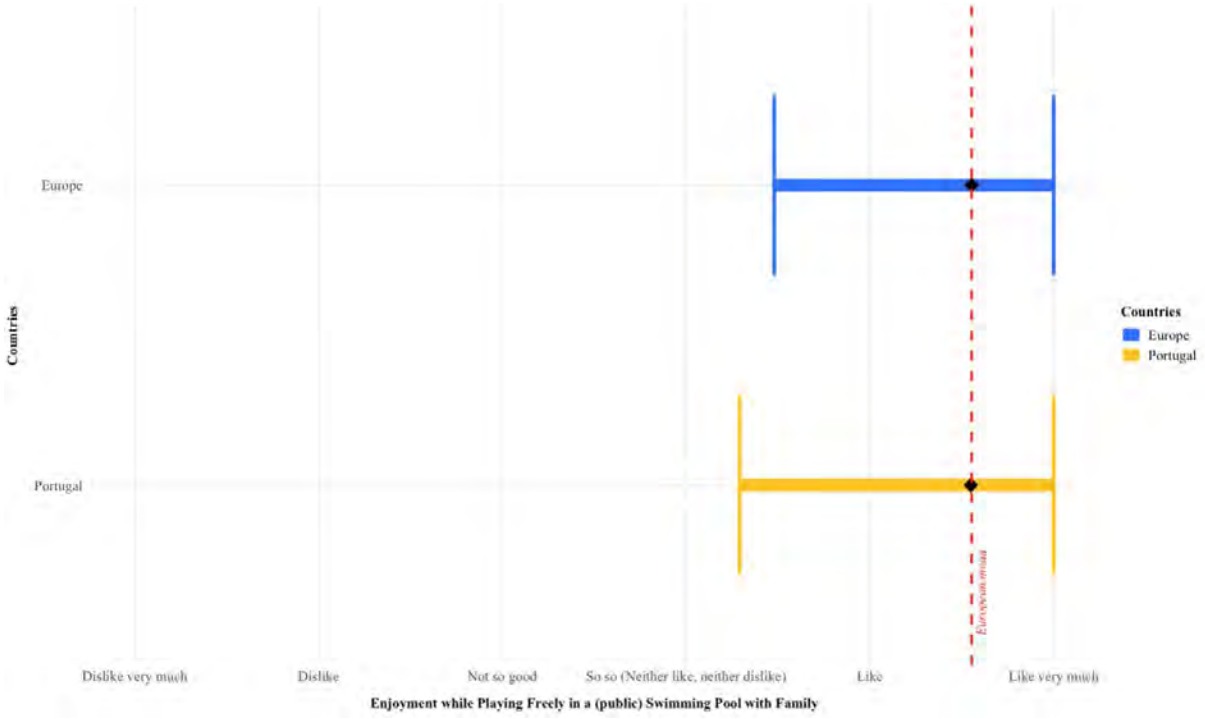


Figure 834. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Family in Europe and in Portugal (Mean±SD).

Table 1431. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	284	2,675	0.02 *	0.06 [a]	0.16 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

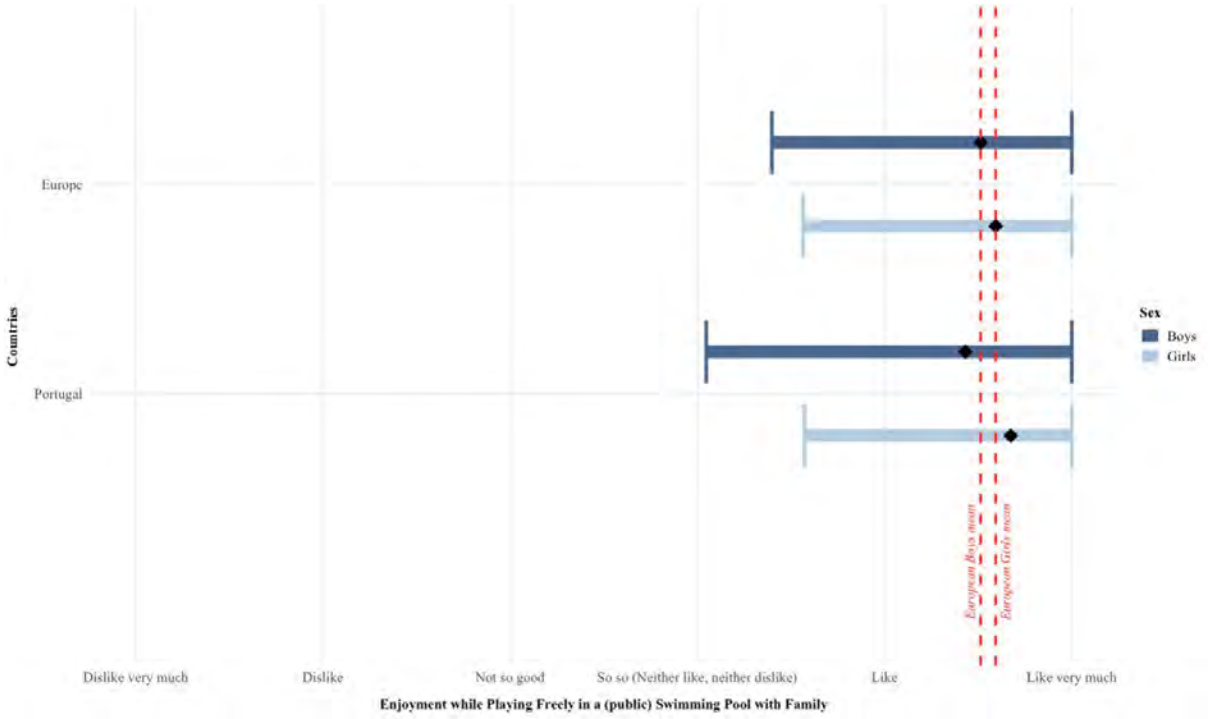


Figure 835. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Family according to the Sex in Europe and in Portugal (Mean±SD).

Table 1432. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	Boys	146	1,344	0.42	0.01 [a]	0.06 [1]
	Girls	138	1,331	0.01 *	0.04 [a]	0.14 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1433. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	Boys *vs* Girls	146	138	0.05	0.07 [a]	0.23 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: p-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

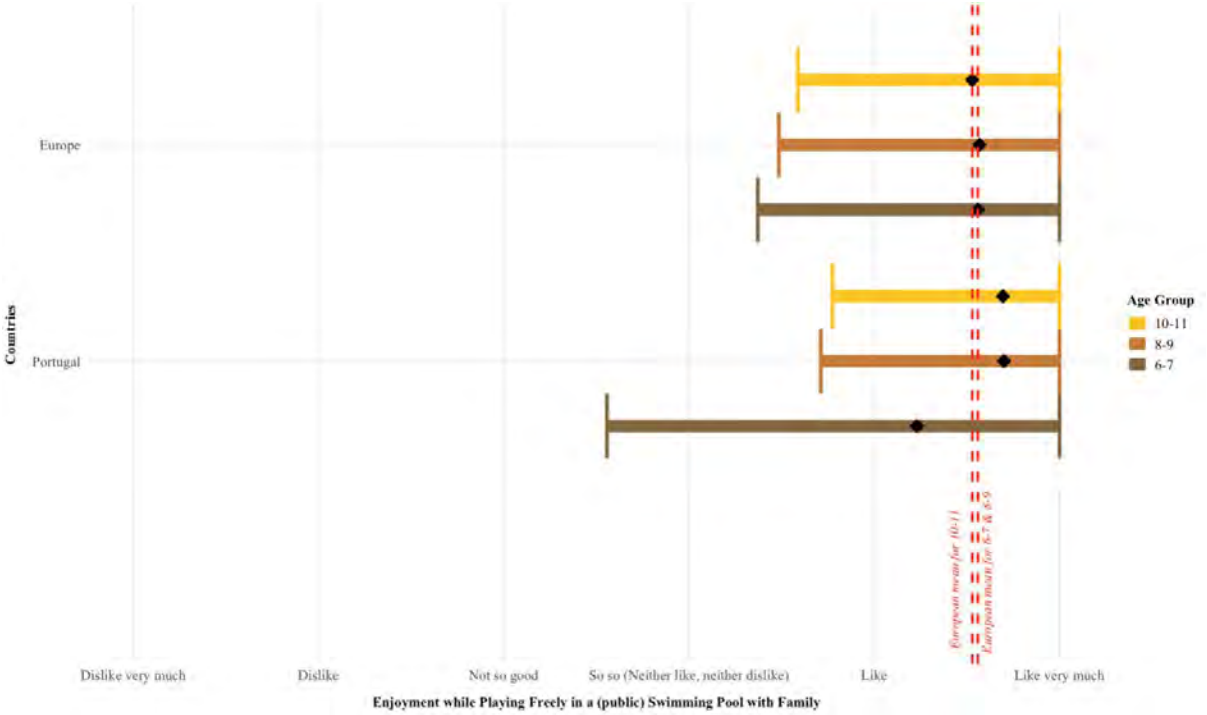


Figure 836. Distribution of the Enjoyment while Playing Freely in the Swimming Pool with Family according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1434. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	91	802	0.26	0.02 [a]	0.07 [1]
	8-9 yo	157	1,024	0.02 *	0.05 [a]	0.19 [1]
	10-11 yo	36	849	0.1	0.04 [a]	0.08 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: p-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1435. Comparative Analysis of the Enjoyment while Playing Freely in the Swimming Pool with Family in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	91	157		0.06	0.08 [a]	0.21 [1]
	8-9 yo *vs* 10-11 yo		157	36	0.57	0.02 [a]	0.06 [1]
	6-7 yo *vs* 10-11 yo	91		36	0.44	0.05 [a]	0.08 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

f. Opportunities

1. Swimming races

Overview

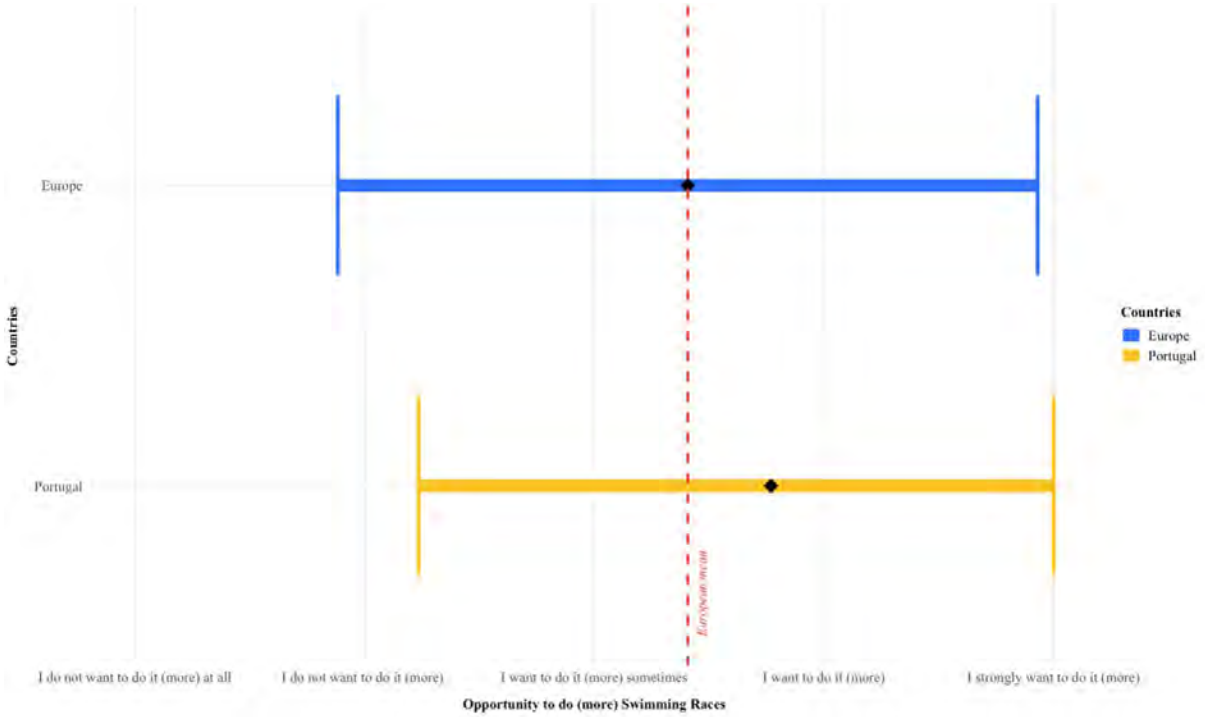


Figure 837. Distribution of the Opportunity to do (more) Swimming Races in Europe and in Portugal (Mean±SD).

Table 1436. Comparative Analysis of the Opportunity to do (more) Swimming Races in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	286	2,667	1.62^{e-05} ***	0.15 [a]	0.6 [2]

0.08Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

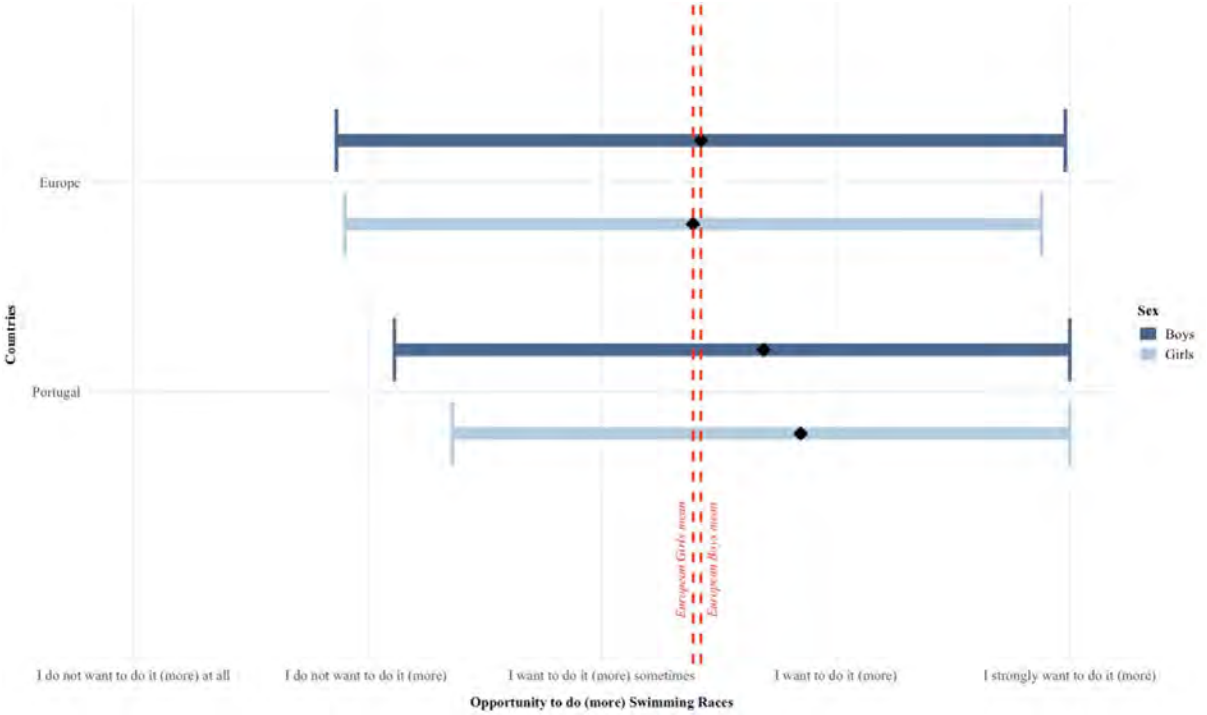


Figure 838. Distribution of the Opportunity to do (more) Swimming Races according to the Sex in Europe and in Portugal (Mean±SD).

Table 1437. Comparative Analysis of the Opportunity to do (more) Swimming Races in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	Boys	146	1,329	0.02 *	0.06 [a]	0.25 [1]
	Girls	140	1,338	9.92^{e-05} ***	0.1 [a]	0.6 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1438. Comparative Analysis of the Opportunity to do (more) Swimming Races in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	Boys *vs* Girls	146	140	0.43	0.04 [a]	0.11 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

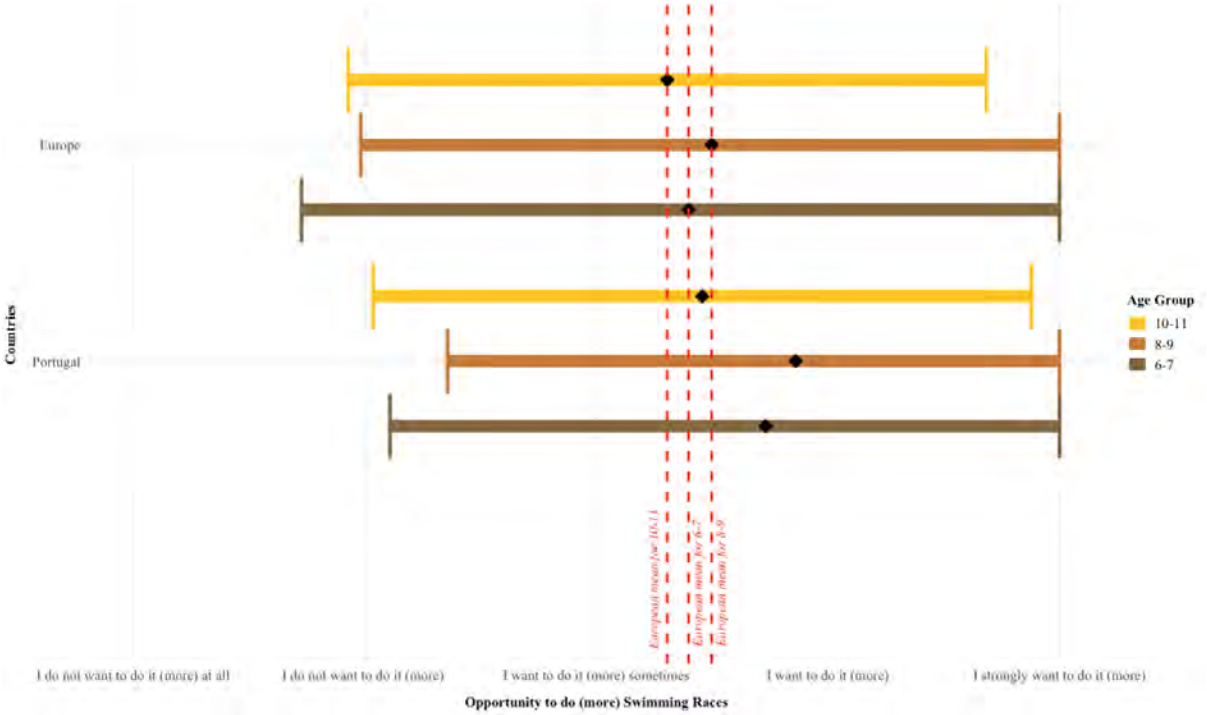


Figure 839. Distribution of the Opportunity to do (more) Swimming Races according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1439. Comparative Analysis of the Opportunity to do (more) Swimming Races in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	93	786	0.06	0.06 [a]	0.2 [1]
	8-9 yo	158	1,024	0.112 **	0.09 [a]	0.54 [2]
	10-11 yo	35	857	0.5	0.02 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1440. Comparative Analysis of the Opportunity to do (more) Swimming Races in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	93	158		0.67	0.02 [a]	0.07 [1]
	8-9 yo *vs* 10-11 yo		158	35	0.07	0.12 [a]	0.26 [1]
	6-7 yo *vs* 10-11 yo	93		35	0.2	0.11 [a]	0.19 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

2. Water Polo

Overview



Figure 840. Distribution of the Opportunity to do (more) Water Polo in Europe and in Portugal (Mean±SD).

Table 1441. Comparative Analysis of the Opportunity to do (more) Water Polo in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* **Europe**	287	2,654	0.009	0.09 [a]	0.31 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

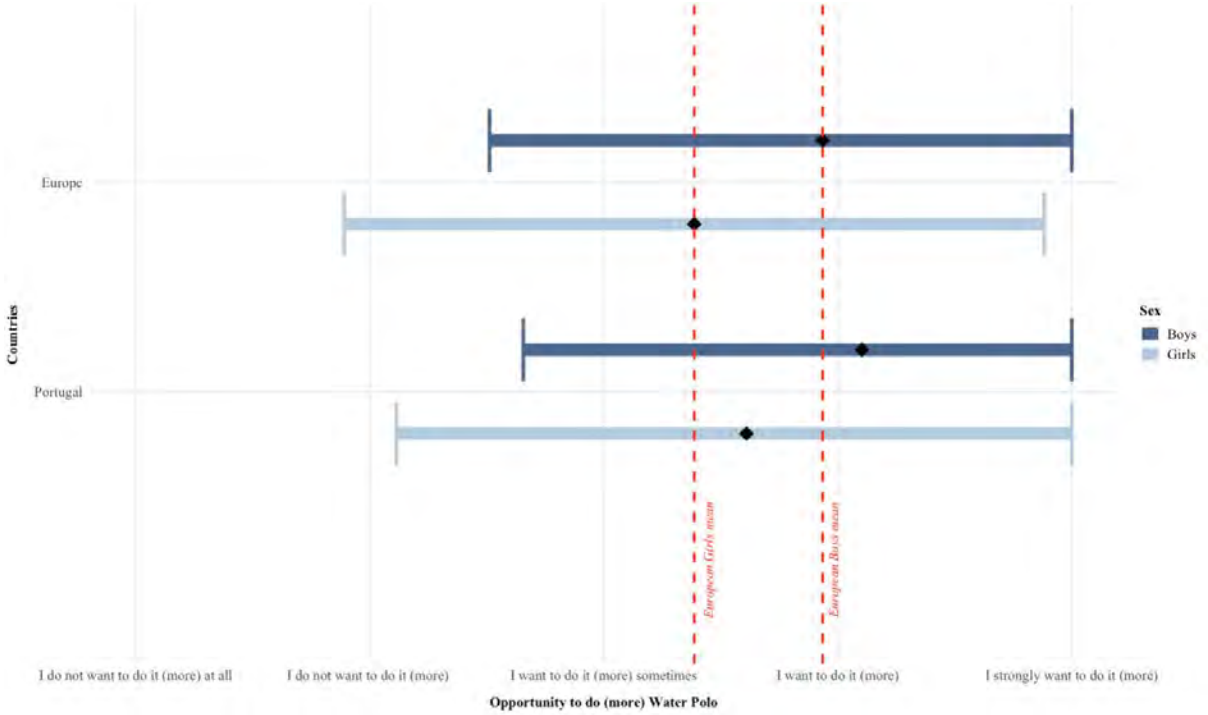


Figure 841. Distribution of the Opportunity to do (more) Water Polo according to the Sex in Europe and in Portugal (Mean±SD).

Table 1442. Comparative Analysis of the Opportunity to do (more) Water Polo in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	Boys	146	1,324	0.04 *	0.05 [a]	0.19 [1]
	Girls	141	1,330	0.07	0.05 [a]	0.18 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1443. Comparative Analysis of the Opportunity to do (more) Water Polo in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal	Boys *vs* Girls	146	141	3.7^{e-04} ***	0.19 [a]	0.91 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

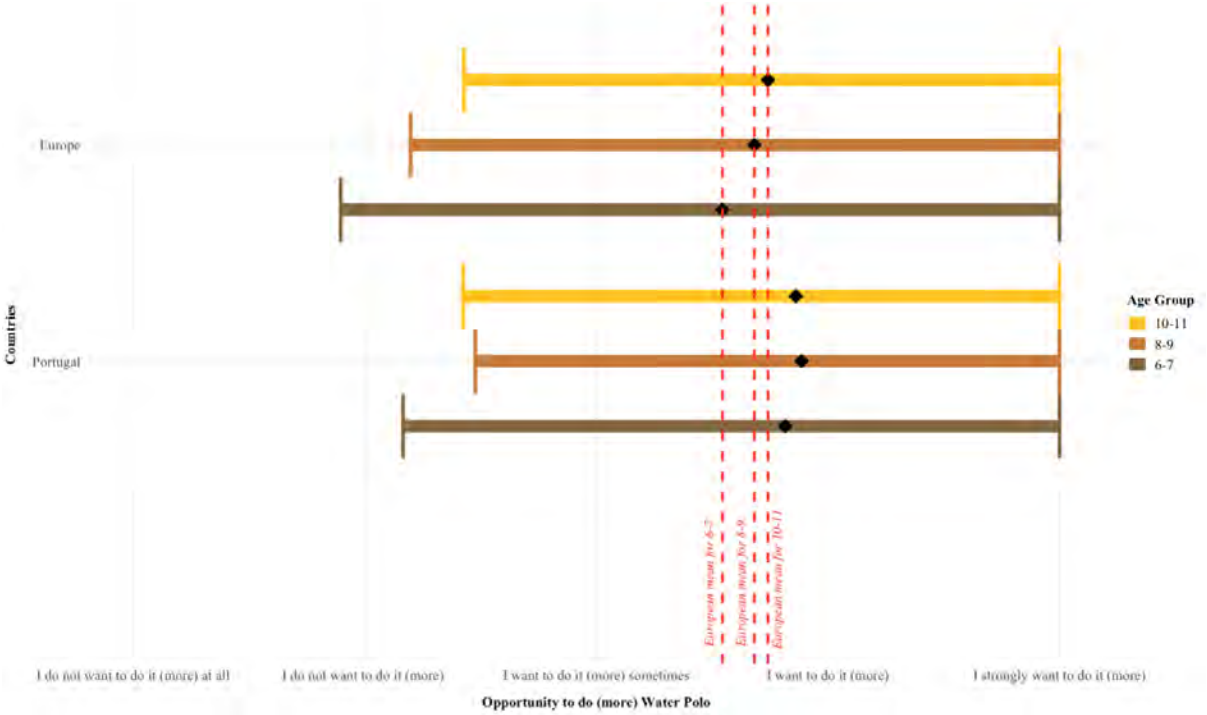


Figure 842. Distribution of the Opportunity to do (more) Water Polo according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1444. Comparative Analysis of the Opportunity to do (more) Water Polo in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	92	788	0.08	0.05 [a]	0.17 [1]
	8-9 yo	159	1,012	0.12	0.04 [a]	0.17 [1]
	10-11 yo	36	854	0.36	0.03 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1445. Comparative Analysis of the Opportunity to do (more) Water Polo in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	92	159		0.59	0.03 [a]	0.07 [1]
	8-9 yo *vs* 10-11 yo		159	36	0.98	0.002 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	92		36	0.82	0.02 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

3. Artistic Swimming

Overview

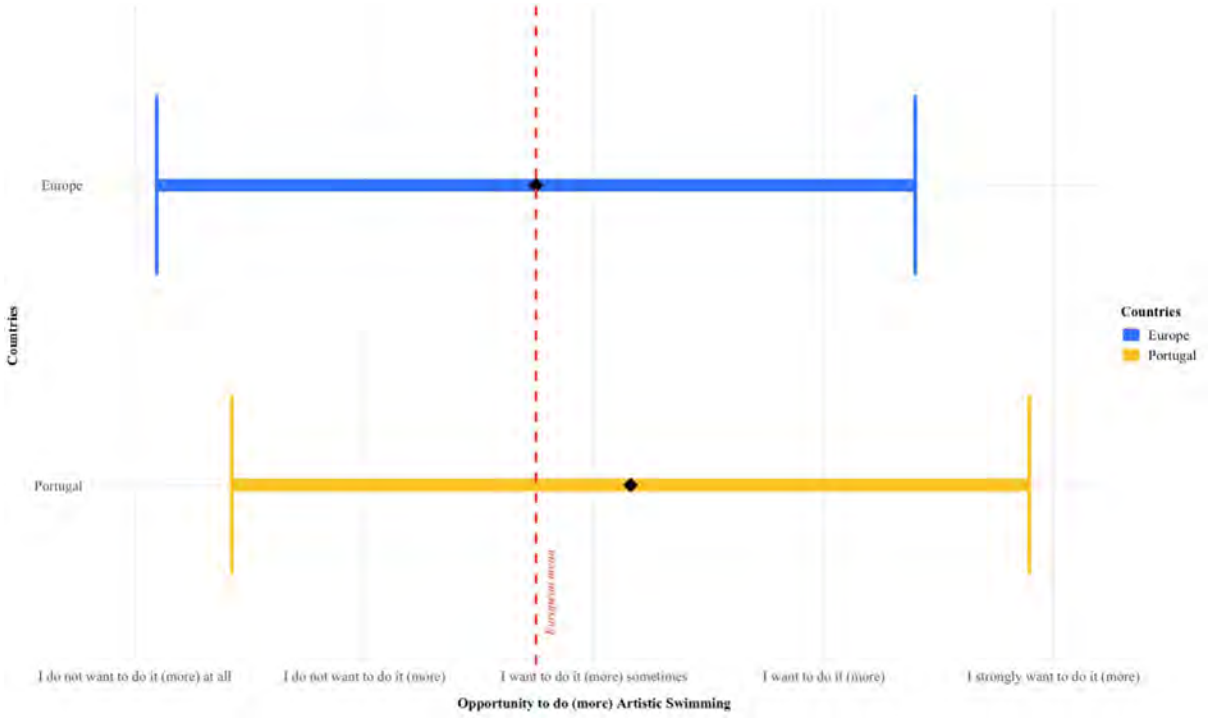


Figure 843. Distribution of the Opportunity to do (more) Artistic Swimming in Europe and in Portugal (Mean±SD).

Table 1446. Comparative Analysis of the Opportunity to do (more) Artistic Swimming at School in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	285	2,638	$1^{e\text{-}04}$ ***	0.14 [a]	0.6 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

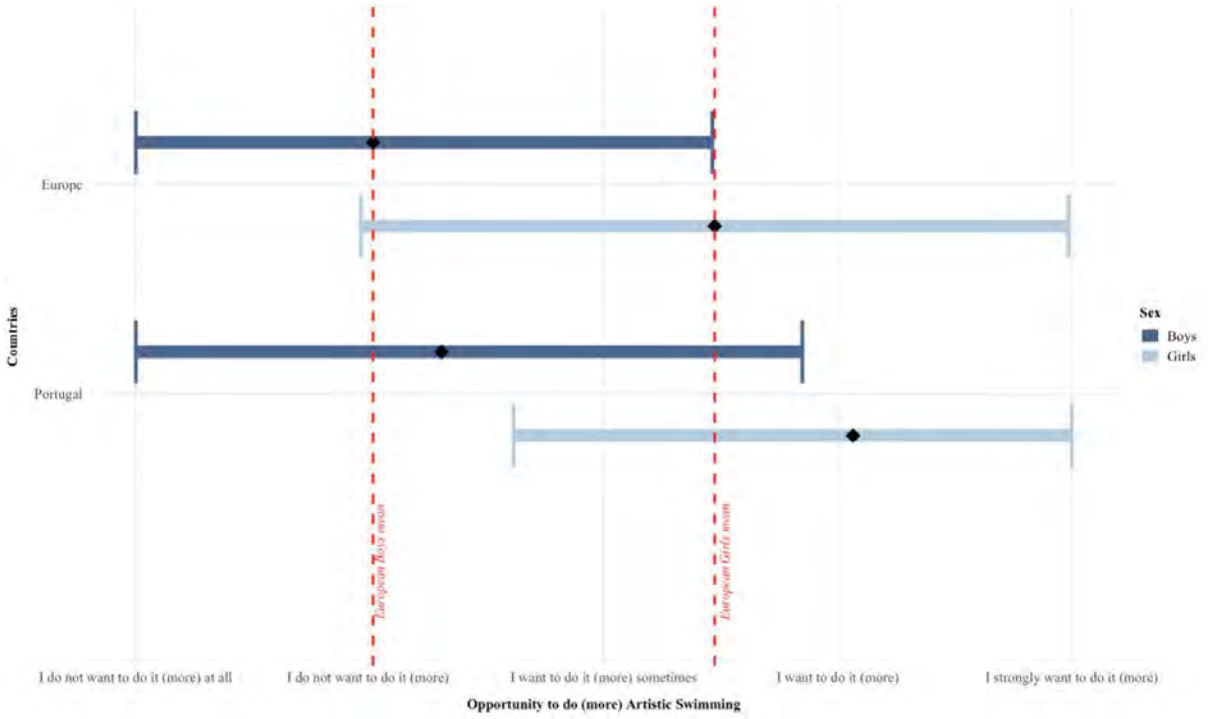


Figure 844. Distribution of the Opportunity to do (more) Artistic Swimming according to the Sex in Europe and in Portugal (Mean±SD).

Table 1447. Comparative Analysis of the Opportunity to do (more) Artistic Swimming in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	Boys	147	1,315	0.02 *	0.06 [a]	0.25 [1]
	Girls	138	1,323	8.03^{e-07} ***	0.12 [a]	0.8 [3]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1448. Comparative Analysis of the Opportunity to do (more) Artistic Swimming in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	Boys *vs* Girls	147	138	1.67^{e-17} ***	0.48 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

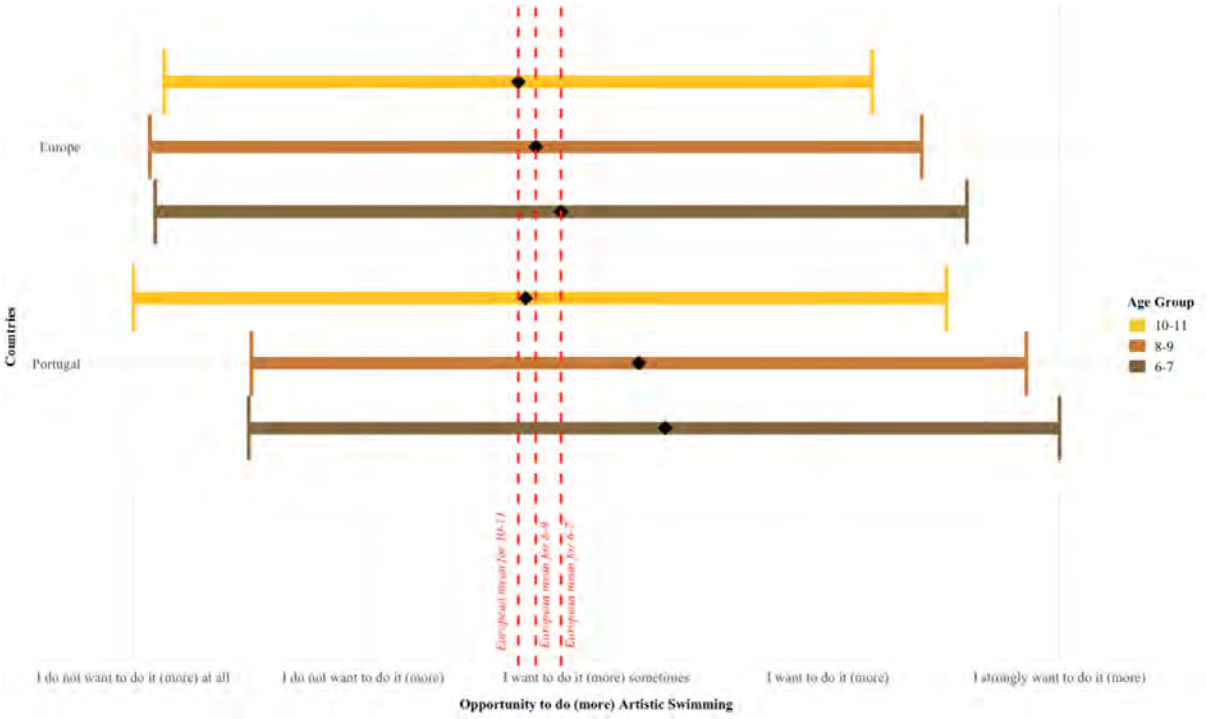


Figure 845. Distribution of the Opportunity to do (more) Artistic Swimming according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1449. Comparative Analysis of the Opportunity to do (more) Artistic Swimming in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	91	773	0.02 *	0.07 [a]	0.27 [1]
	8-9 yo	158	1,020	0.002 **	0.09 [a]	0.52 [2]
	10-11 yo	36	845	0.98	8^{e-04} [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1450. Comparative Analysis of the Opportunity to do (more) Artistic Swimming in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	91	158		0.44	0.05 [a]	0.11 [1]
	8-9 yo *vs* 10-11 yo		158	36	0.18	0.09 [a]	0.17 [1]
	6-7 yo *vs* 10-11 yo	91		36	0.11	0.13 [a]	0.27 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

4. Diving

Overview

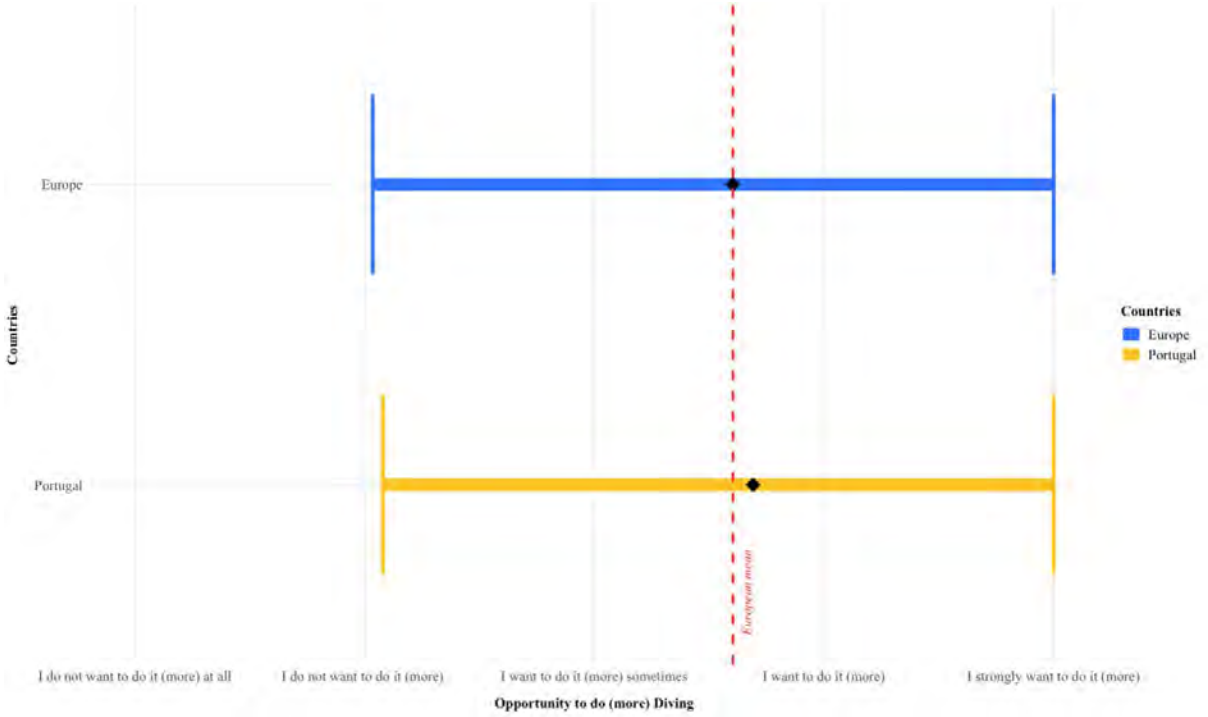


Figure 846. Distribution of the Opportunity to do (more) Diving in Europe and in Portugal (Mean±SD).

Table 1451. Comparative Analysis of the Opportunity to do (more) Diving at School in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	282	2,638	0.17	0.05 [a]	0.12 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

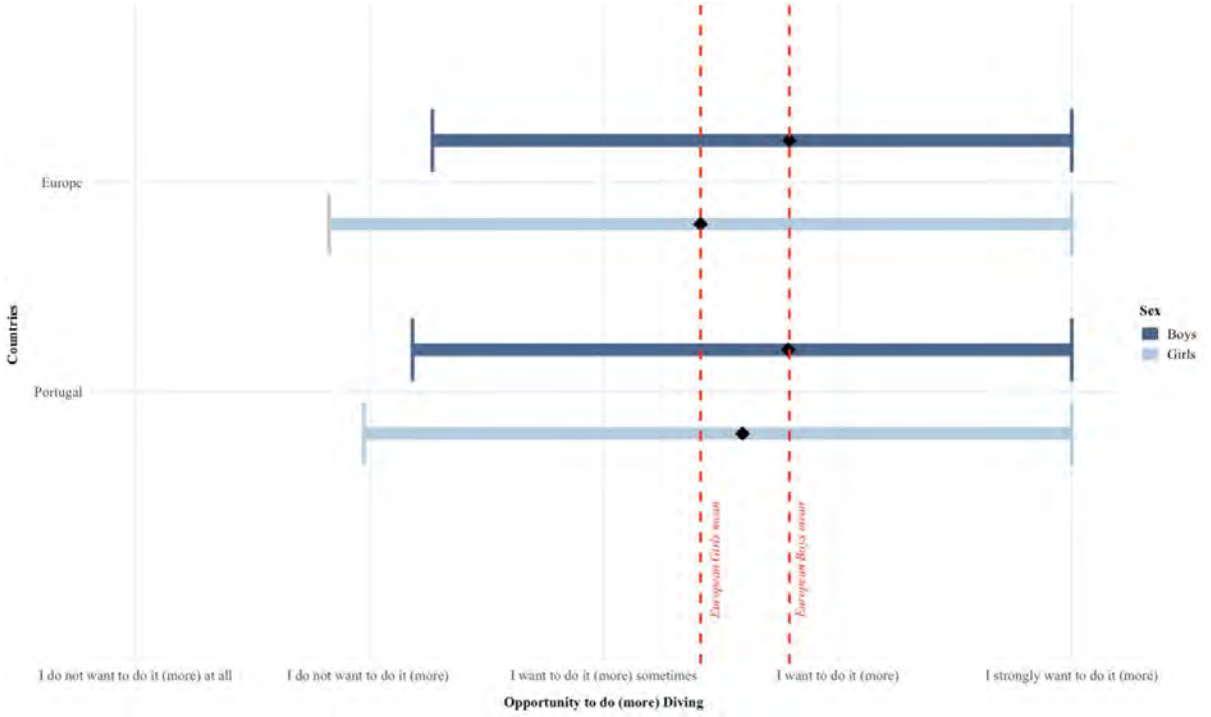


Figure 847. Distribution of the Opportunity to do (more) Diving according to the Sex in Europe and in Portugal (Mean±SD).

Table 1452. Comparative Analysis of the Opportunity to do (more) Diving in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	Boys	142	1,320	0.76	0.007 [a]	0.05 [1]
	Girls	140	1,318	0.11	0.04 [a]	0.15 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1453. Comparative Analysis of the Opportunity to do (more) Diving in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	Boys *vs* Girls	142	140	0.3	0.06 [a]	0.16 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

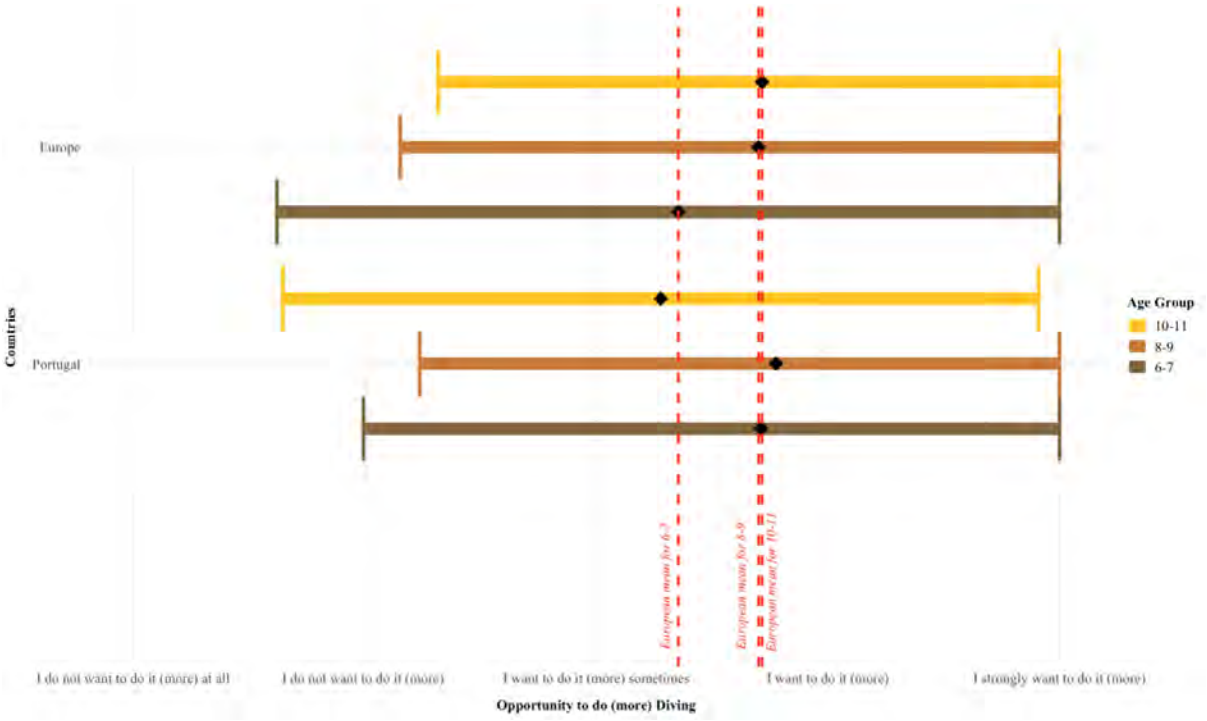


Figure 848. Distribution of the Opportunity to do (more) Diving according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1454. Comparative Analysis of the Opportunity to do (more) Diving in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	90	776	0.04 *	0.06 [a]	0.21 [1]
	8-9 yo	156	1,019	0.49	0.02 [a]	0.07 [1]
	10-11 yo	36	843	0.13	0.05 [a]	0.09 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1455. Comparative Analysis of the Opportunity to do (more) Diving in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	90	156		0.85	0.01 [a]	0.05 [1]
	8-9 yo *vs* 10-11 yo		156	36	0.07	0.12 [a]	0.26 [1]
	6-7 yo *vs* 10-11 yo	90		36	0.1	0.13 [a]	0.28 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

5. Water sport 1

Overview

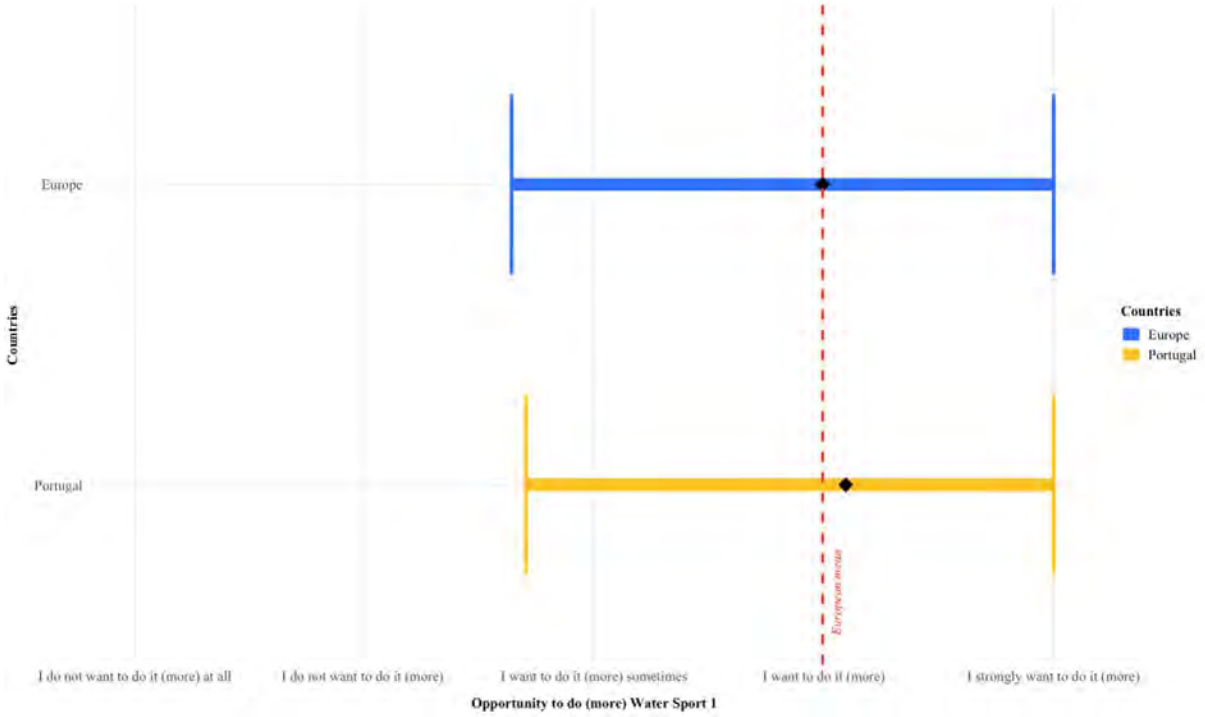


Figure 849. Distribution of the Opportunity to do (more) Water Sport 1in Europe and in Portugal (Mean±SD).

Table 1456. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	285	2,637	0.05	0.07 [a]	0.18 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

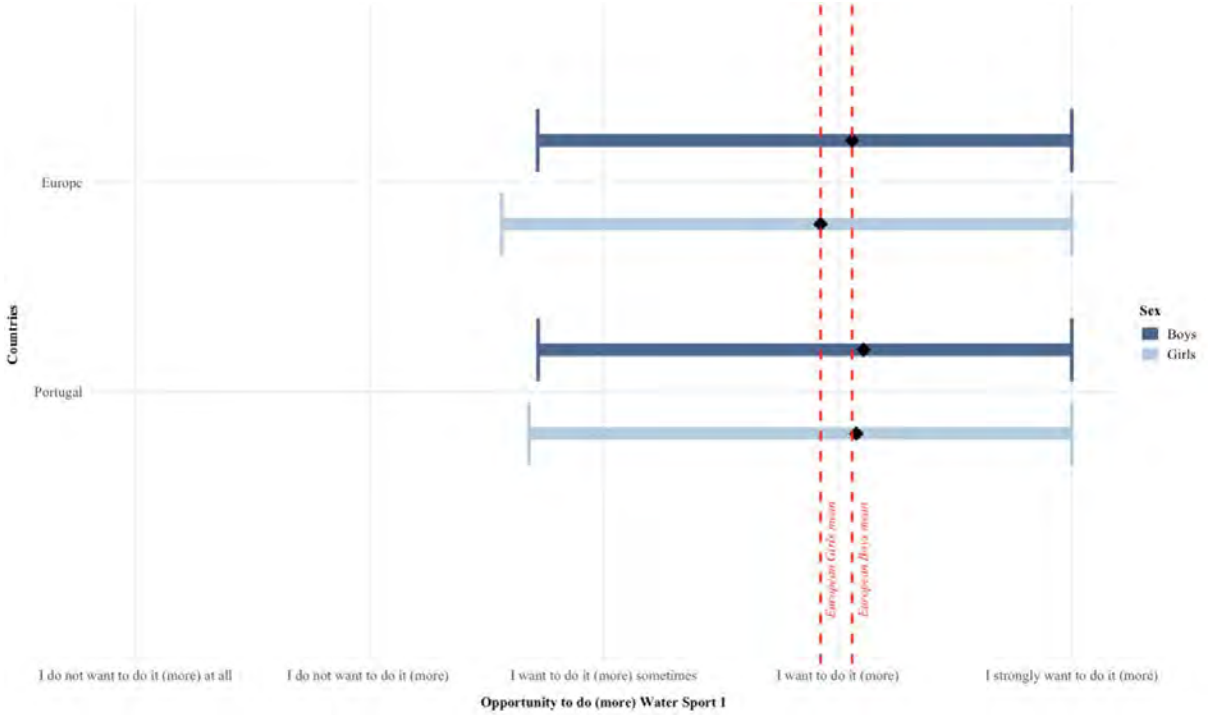


Figure 850. Distribution of the Opportunity to do (more) Water Sport 1according to the Sex in Europe and in Portugal (Mean±SD).

Table 1457. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	Boys	146	1,320	0.35	0.02 [a]	0.08 [1]
	Girls	139	1,317	0.07	0.04 [a]	0.17 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1458. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	Boys *vs* Girls	146	139	0.71	0.02 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

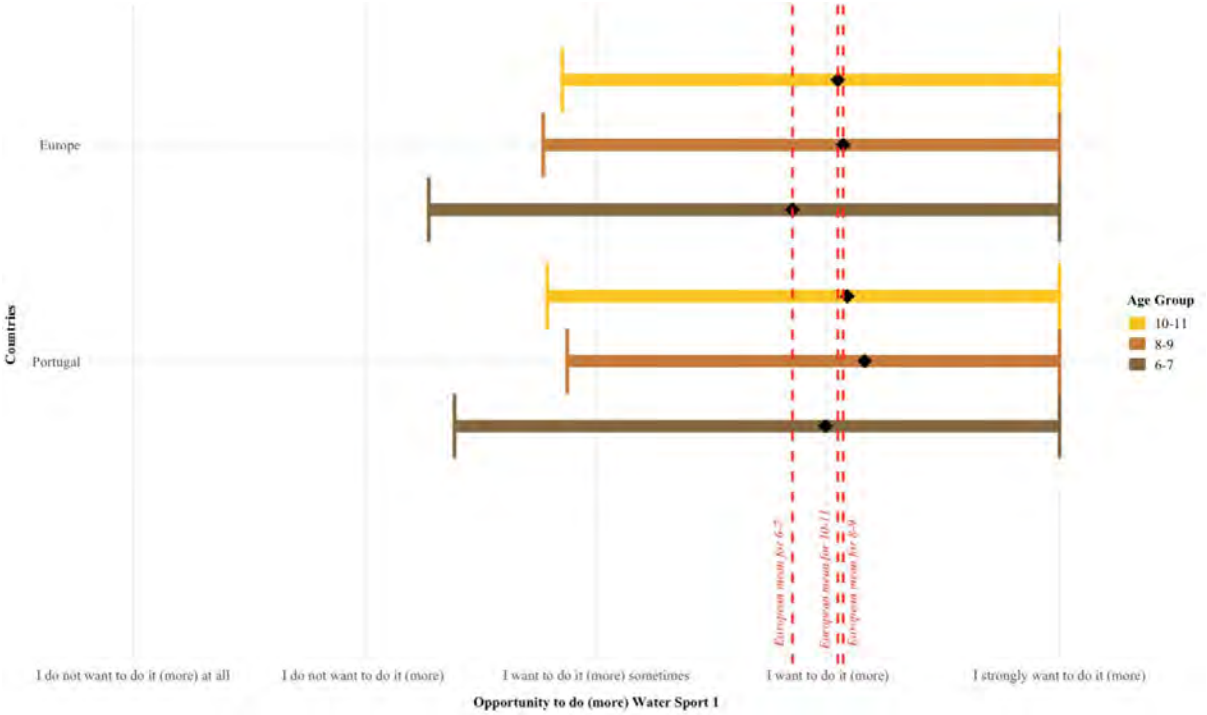


Figure 851. Distribution of the Opportunity to do (more) Water Sport 1according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1459. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	91	775	0.23	0.04 [a]	0.1 [1]
	8-9 yo	158	1,018	0.31	0.03 [a]	0.09 [1]
	10-11 yo	36	844	0.57	0.02 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1460. Comparative Analysis of the Opportunity to do (more) Water Sport 1 in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	91	158		0.88	0.009 [a]	0.05 [1]
	8-9 yo *vs* 10-11 yo		158	36	0.67	0.03 [a]	0.06 [1]
	6-7 yo *vs* 10-11 yo	91		36	0.67	0.03 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

6. Water sport 2

Overview

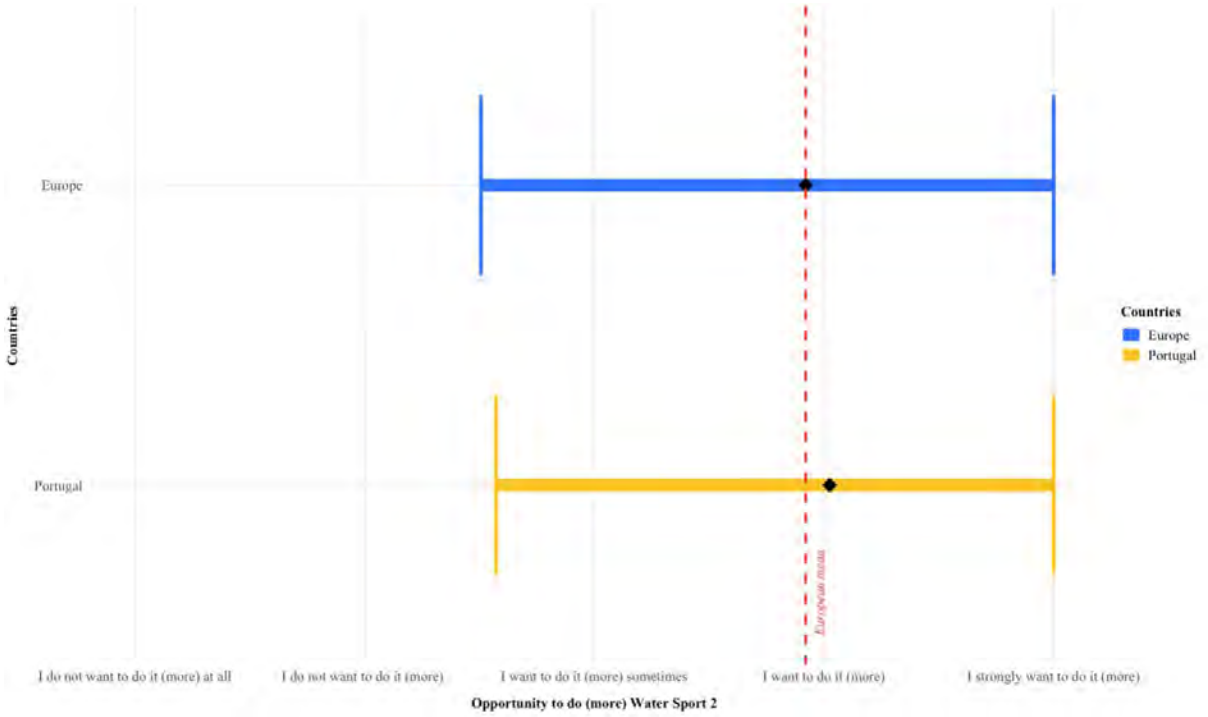


Figure 852. Distribution of the Opportunity to do (more) Water Sport 2 in Europe and in Portugal (Mean±SD).

Table 1461. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	282	2,638	0.05	0.07 [a]	0.18 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

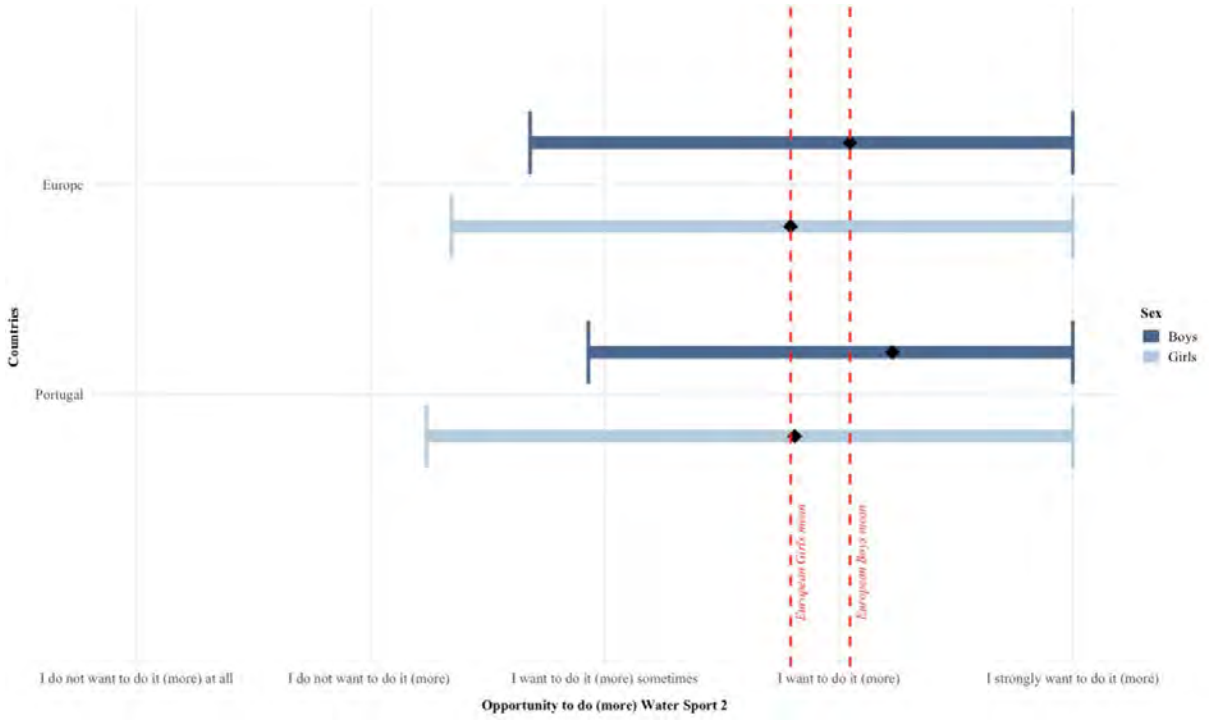


Figure 853. Distribution of the Opportunity to do (more) Water Sport 2 according to the Sex in Europe and in Portugal (Mean±SD).

Table 1462. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	Boys	144	1,317	0.06	0.04 [a]	0.16 [1]
	Girls	138	1,321	0.41	0.02 [a]	0.07 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1463. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	Boys *vs* Girls	144	138	0.02 *	0.12 [a]	0.52 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

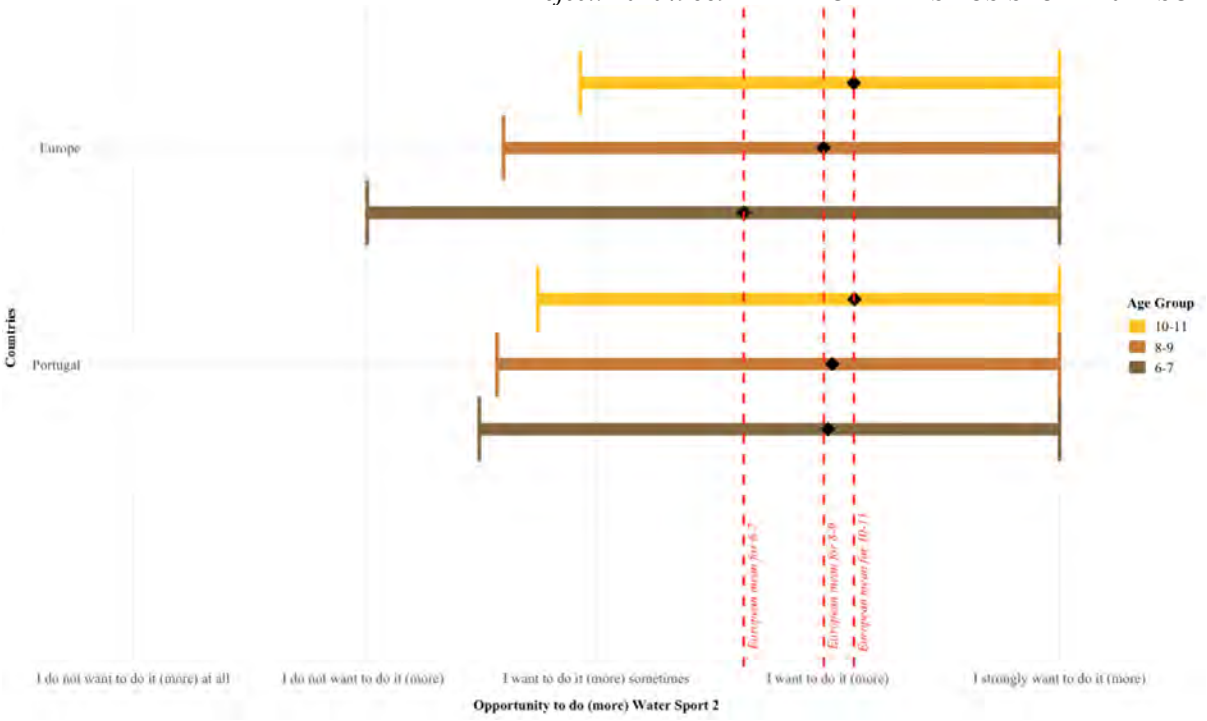


Figure 854. Distribution of the Opportunity to do (more) Water Sport 2 according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1464. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	91	780	0.03 *	0.07 [a]	0.24 [1]
	8-9 yo	156	1,018	0.43	0.02 [a]	0.08 [1]
	10-11 yo	35	840	0.56	0.02 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1465. Comparative Analysis of the Opportunity to do (more) Water Sport 2 in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	91	156		0.81	0.01 [a]	0.05 [1]
	8-9 yo *vs* 10-11 yo		156	35	0.82	0.01 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	91		35	0.96	0.004 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

7. Water sport 3

Overview



Figure 855. Distribution of the Opportunity to do (more) Water Sport 3 in Europe and in Portugal (Mean±SD).

Table 1466. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	285	2,631	7.82^{e-05} ***	0.13 [a]	0.58 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

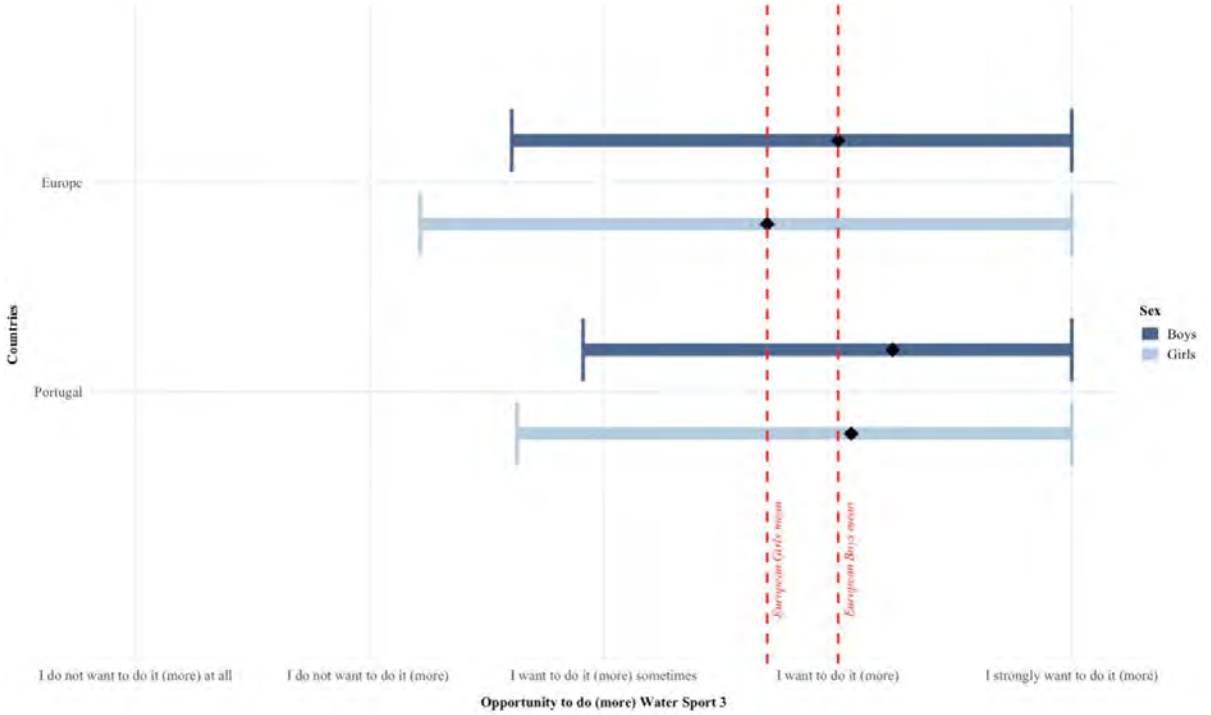


Figure 856. Distribution of the Opportunity to do (more) Water Sport 3 according to the Sex in Europe and in Portugal (Mean±SD).

Table 1467. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	Boys	145	1,311	0.02 *	0.05 [a]	0.24 [1]
	Girls	140	1,320	0.001 **	0.08 [a]	0.43 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1468. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	Boys *vs* Girls	145	140	0.26	0.06 [a]	0.16 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

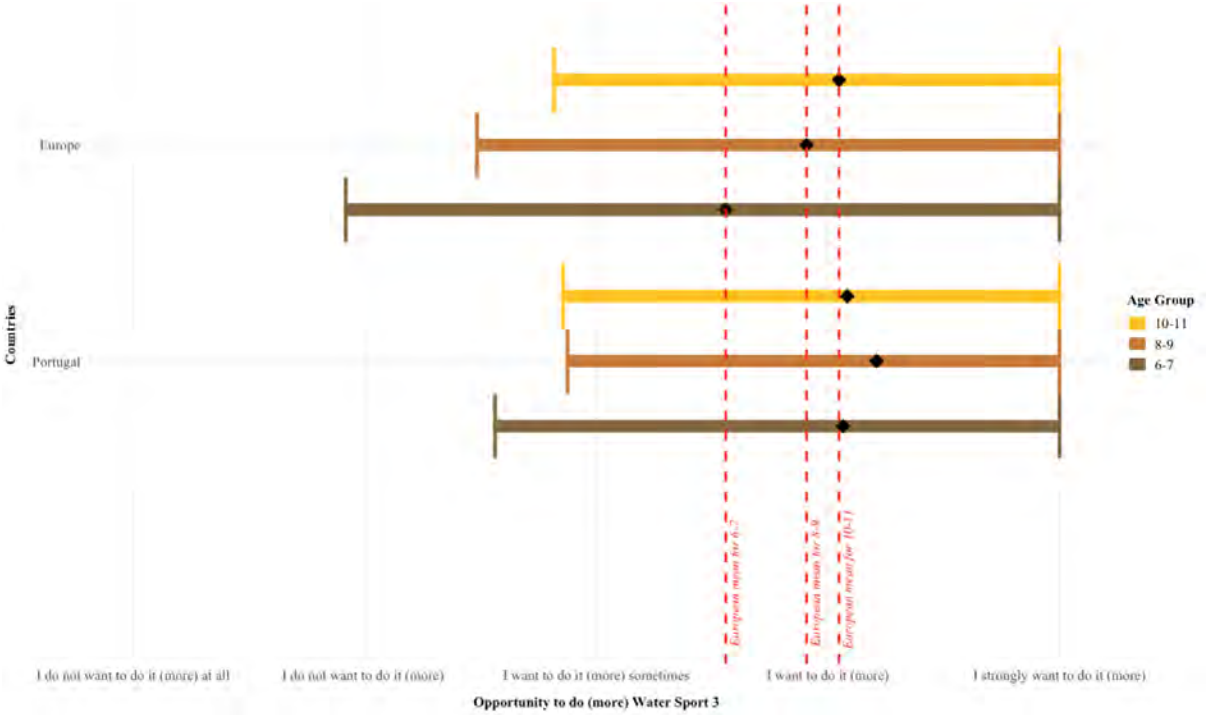


Figure 857. Distribution of the Opportunity to do (more) Water Sport 3 according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1469. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	92	777	0.002 **	0.1 [a]	0.42 [1]
	8-9 yo	157	1,009	0.004 **	0.08 [a]	0.43 [1]
	10-11 yo	36	845	0.85	0.006 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1470. Comparative Analysis of the Opportunity to do (more) Water Sport 3 in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	92	157		0.72	0.02 [a]	0.06 [1]
	8-9 yo *vs* 10-11 yo		157	36	0.25	0.07 [a]	0.12 [1]
	6-7 yo *vs* 10-11 yo	92		36	0.47	0.06 [a]	0.09 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

8. Water sport 4

Overview

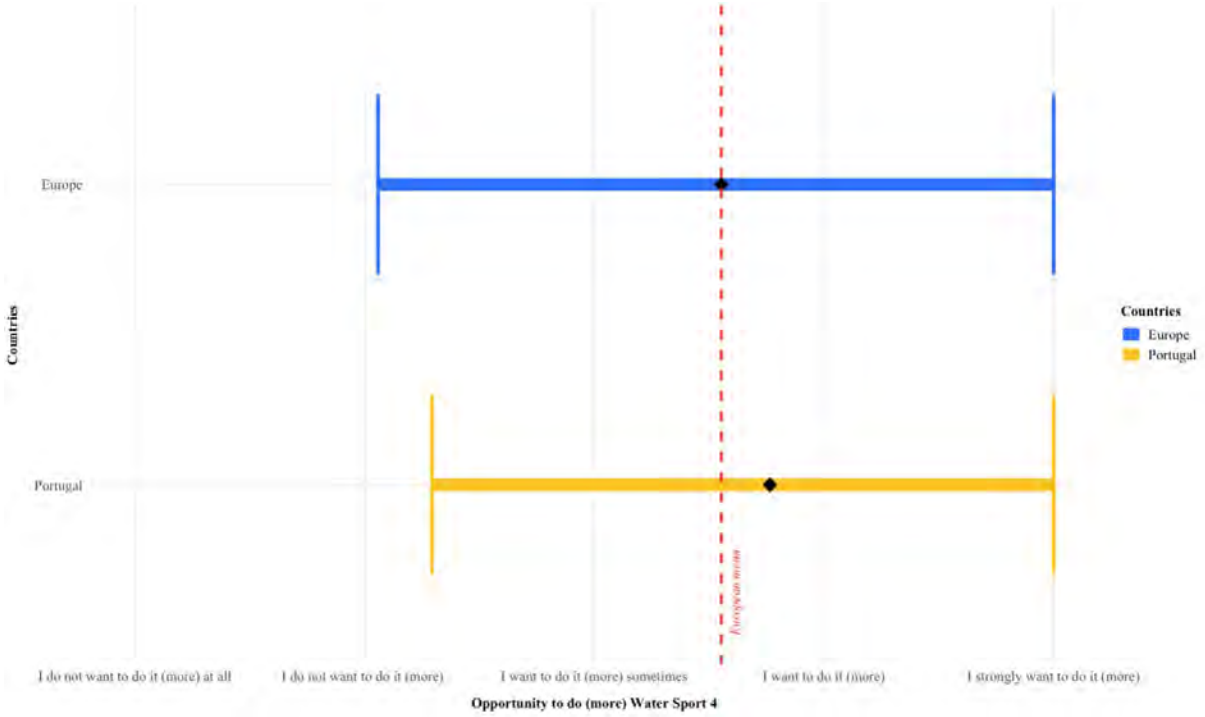


Figure 858. Distribution of the Opportunity to do (more) Water Sport 4 in Europe and in Portugal (Mean±SD).

Table 1471. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	281	2,645	0/009 **	0.09 [a]	0.32 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

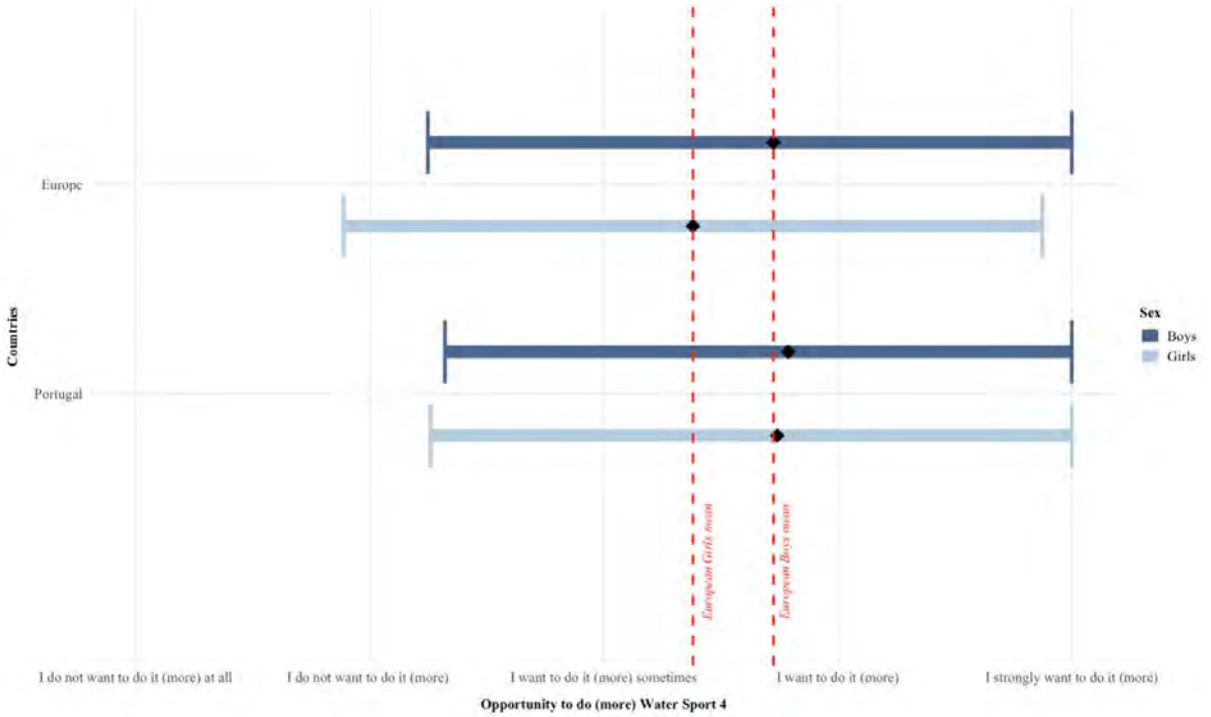


Figure 859. Distribution of the Opportunity to do (more) Water Sport 4 according to the Sex in Europe and in Portugal (Mean±SD).

Table 1472. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	Boys	142	1,324	0.49	0.02 [a]	0.07 [1]
	Girls	139	1,321	0.003 **	0.08 [a]	0.4 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1473. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	Boys *vs* Girls	142	139	0.75	0.02 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

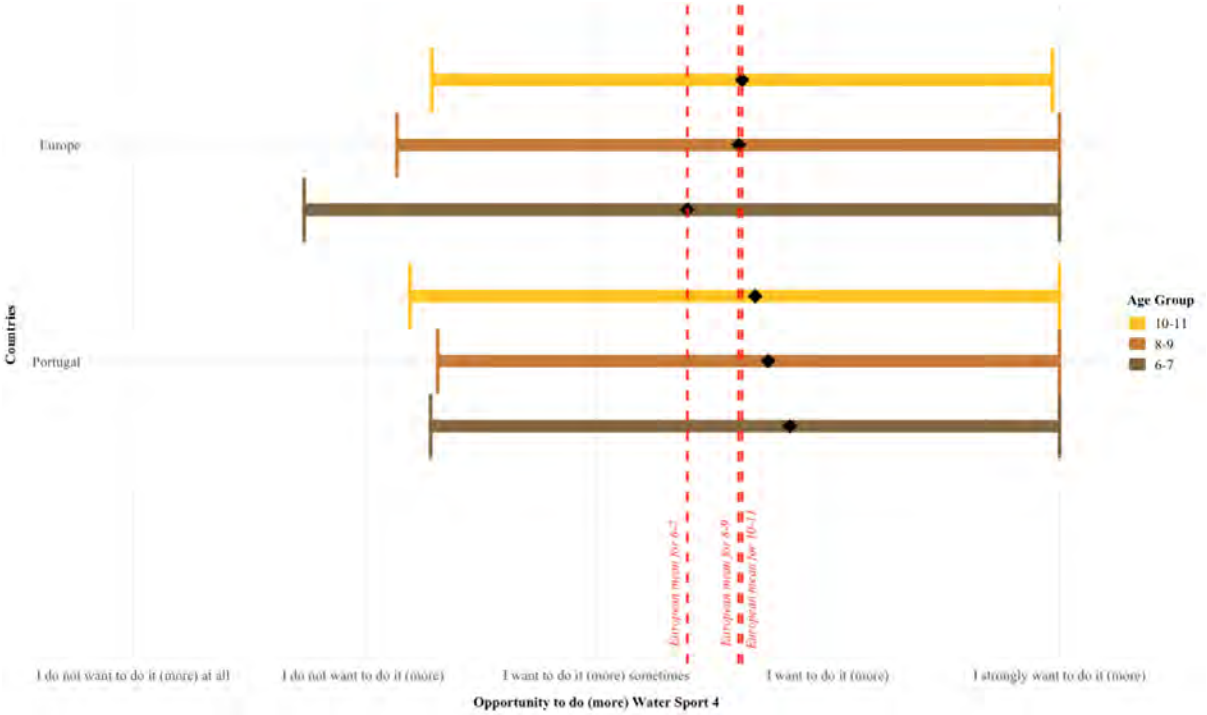


Figure 860. Distribution of the Opportunity to do (more) Water Sport 4 according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1474. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	91	787	0.009 **	0.08 [a]	0.33 [1]
	8-9 yo	155	1,017	0.31	0.03 [a]	0.1 [1]
	10-11 yo	35	841	0.57	0.02 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1475. Comparative Analysis of the Opportunity to do (more) Water Sport 4 in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	91	155		0.31	0.06 [a]	0.15 [1]
	8-9 yo *vs* 10-11 yo		155	35	0.95	0.004 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	91		35	0.52	0.05 [a]	0.08 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

g. Risk perceptions

1. Low risks in the swimming pool

Overview

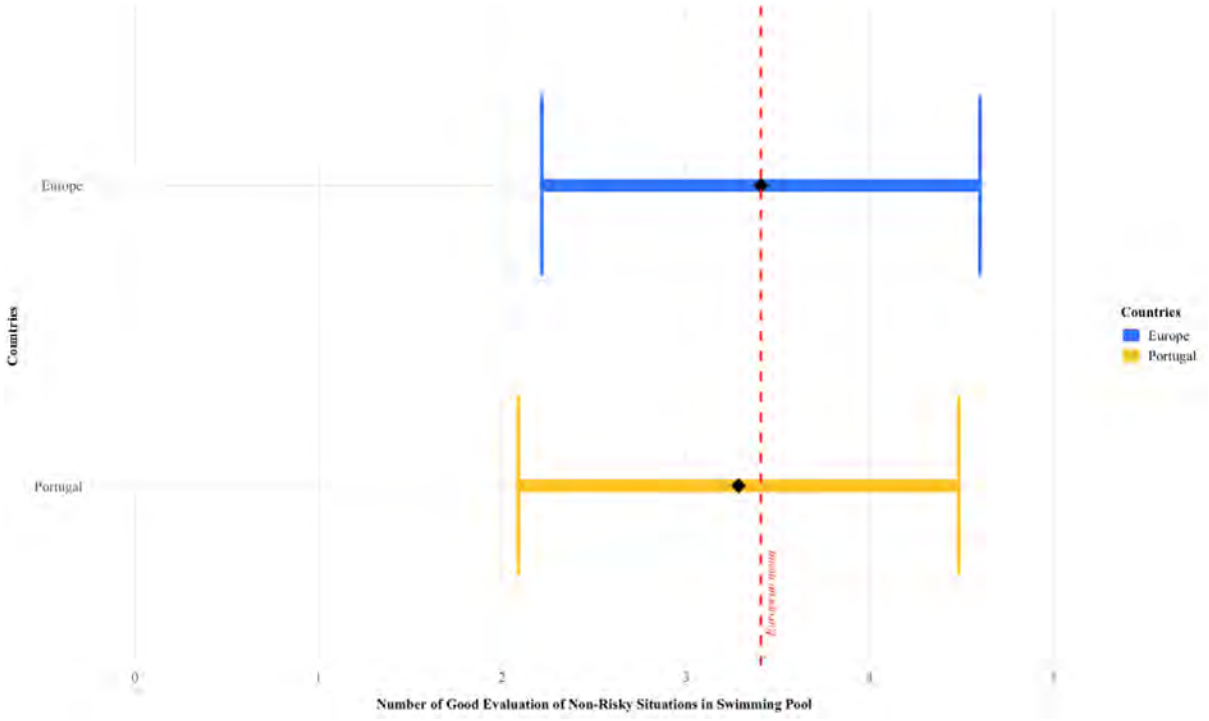


Figure 861. Distribution of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Europe and in Portugal (Mean±SD).

Table 1476. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* **Europe**	288	2,700	0.04	0.07 [a]	0.21 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

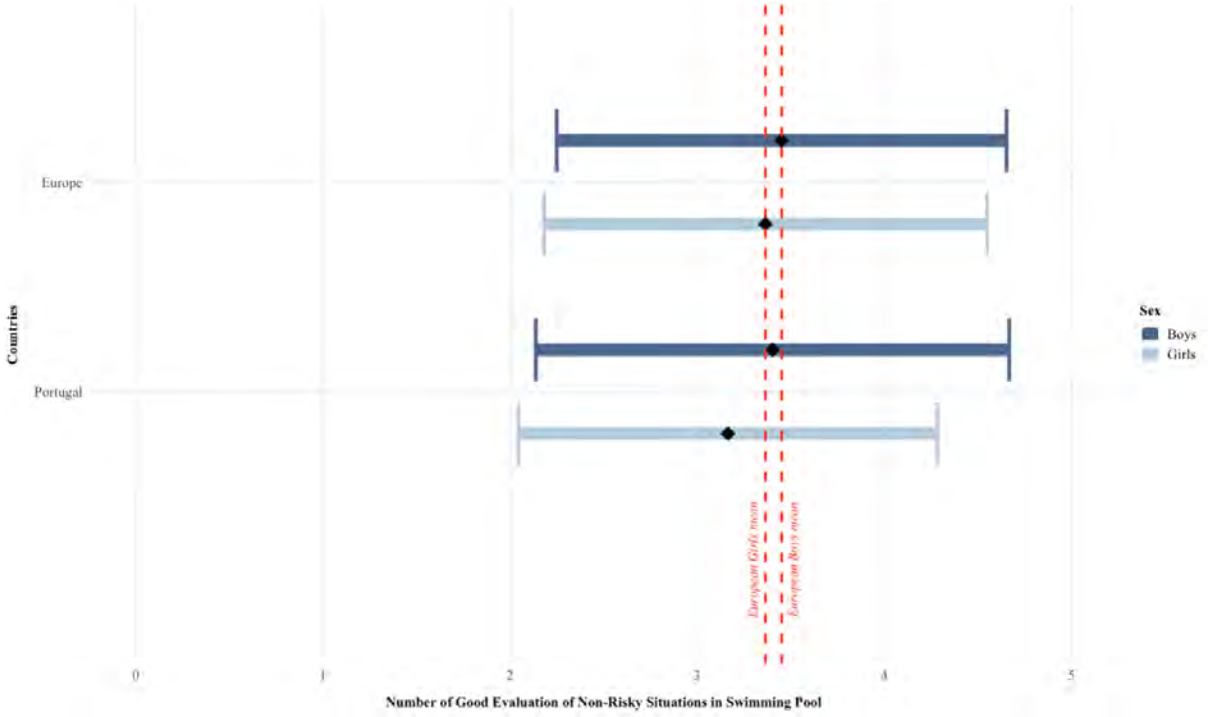


Figure 862. Distribution of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool according to the Sex in Europe and in Portugal (Mean±SD).

Table 1477. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	Boys	147	1,350	0.64	0.02 [a]	0.06 [1]
	Girls	141	1,350	0.02 *	0.06 [a]	0.27 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1478. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal	Boys *vs* Girls	147	141	0.05	0.11 [a]	0.47 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

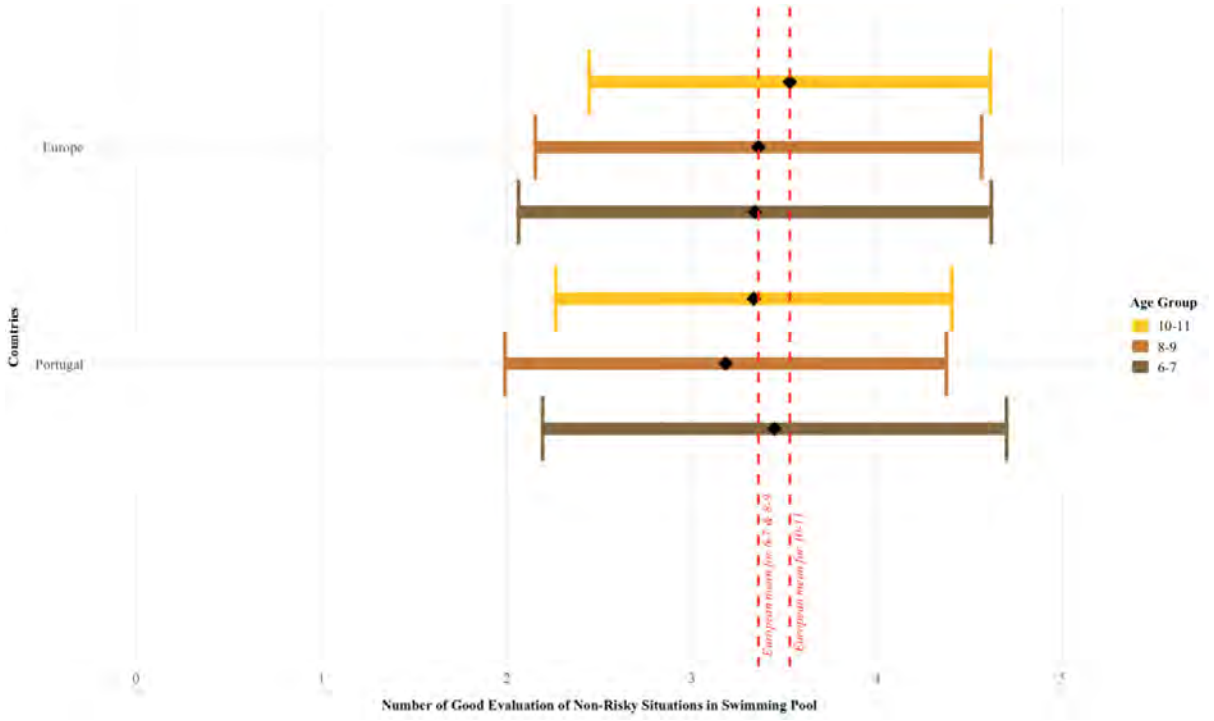


Figure 863. Distribution of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1479. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* **Europe**	6-7 yo	92	807	0.5	0.02 [a]	0.07 [1]
	8-9 yo	160	1,037	0.04 *	0.06 [a]	0.27 [1]
	10-11 yo	36	856	0.19	0.04 [a]	0.08 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1480. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in the Swimming Pool in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	92	160		0.08	0.11 [a]	0.38 [1]
	8-9 yo *vs* 10-11 yo		160	36	0.5	0.05 [a]	0.08 [1]
	6-7 yo *vs* 10-11 yo	92		36	0.5	0.06 [a]	0.09 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

2. High risks in the swimming pool

Overview

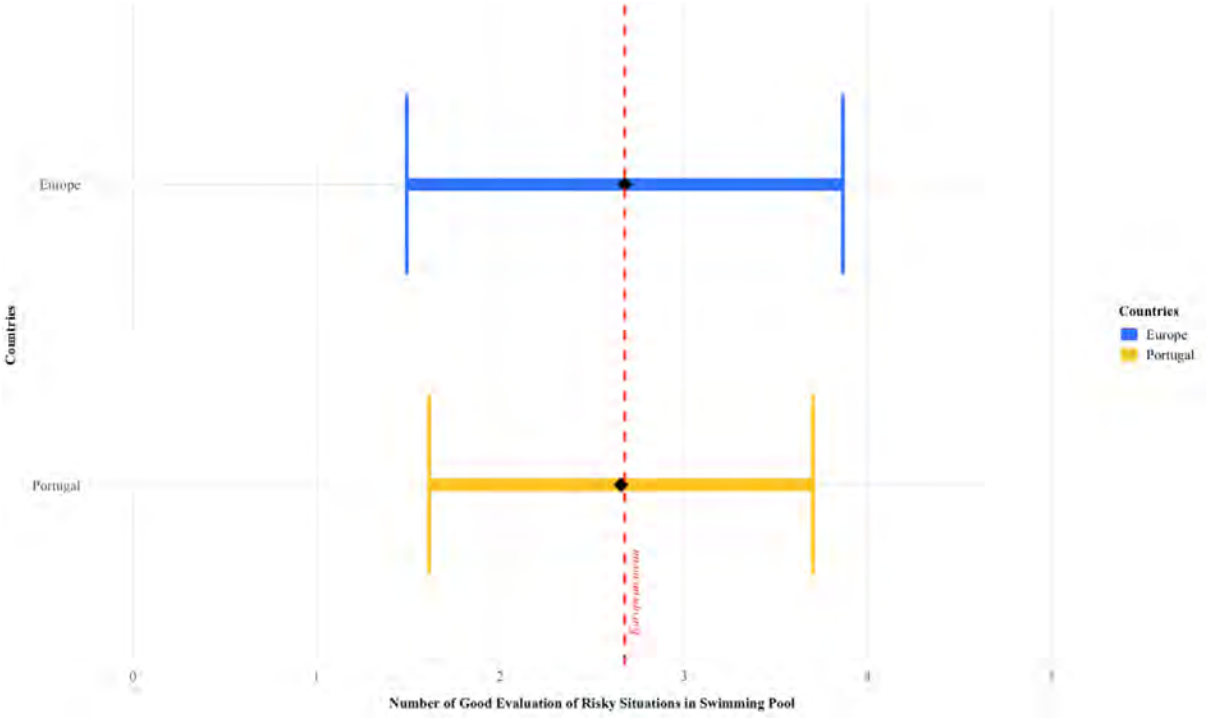


Figure 864. Distribution of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Europe and in Portugal (Mean±SD).

Table 1481. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* **Europe**	288	2,697	0.3	0.04 [a]	0.09 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

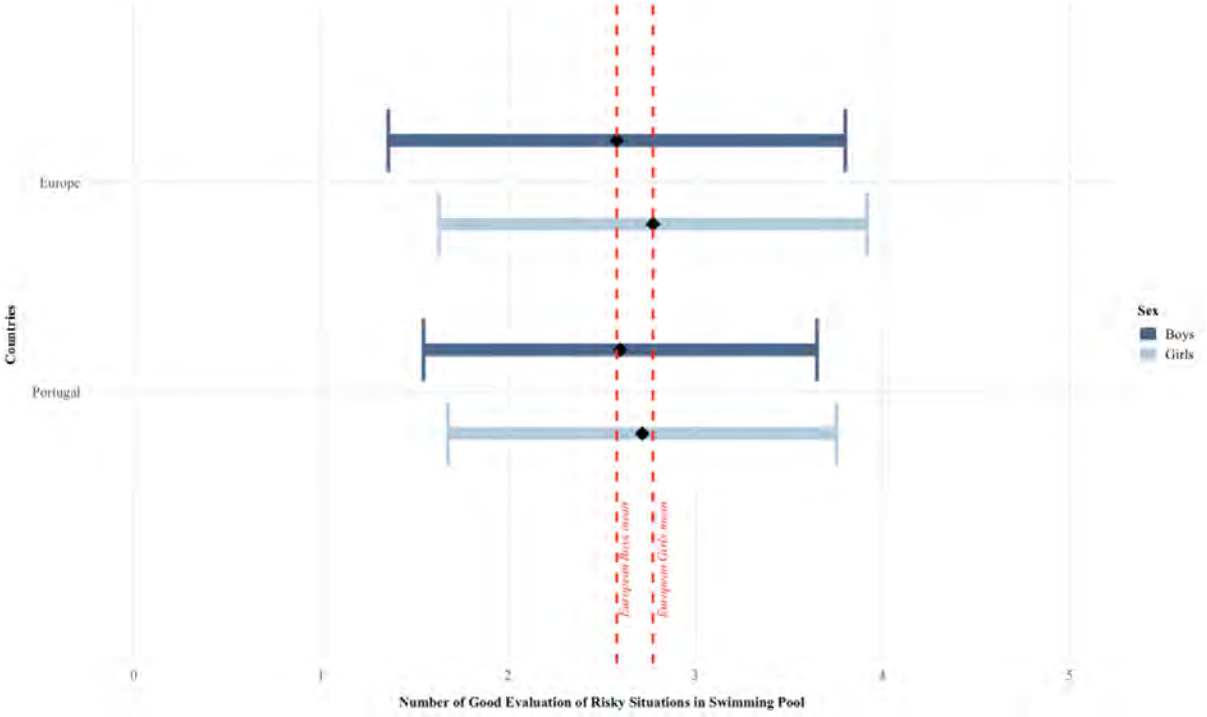


Figure 865. Distribution of the Number of Good Evaluation of Risky Situations in the Swimming Pool according to the Sex in Europe and in Portugal (Mean±SD).

Table 1482. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	Boys	147	1,349	0.82	0.006 [a]	0.05 [1]
	Girls	141	1,348	0.28	0.03 [a]	0.09 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1483. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal	Boys *vs* Girls	147	141	0.42	0.05 [a]	0.12 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

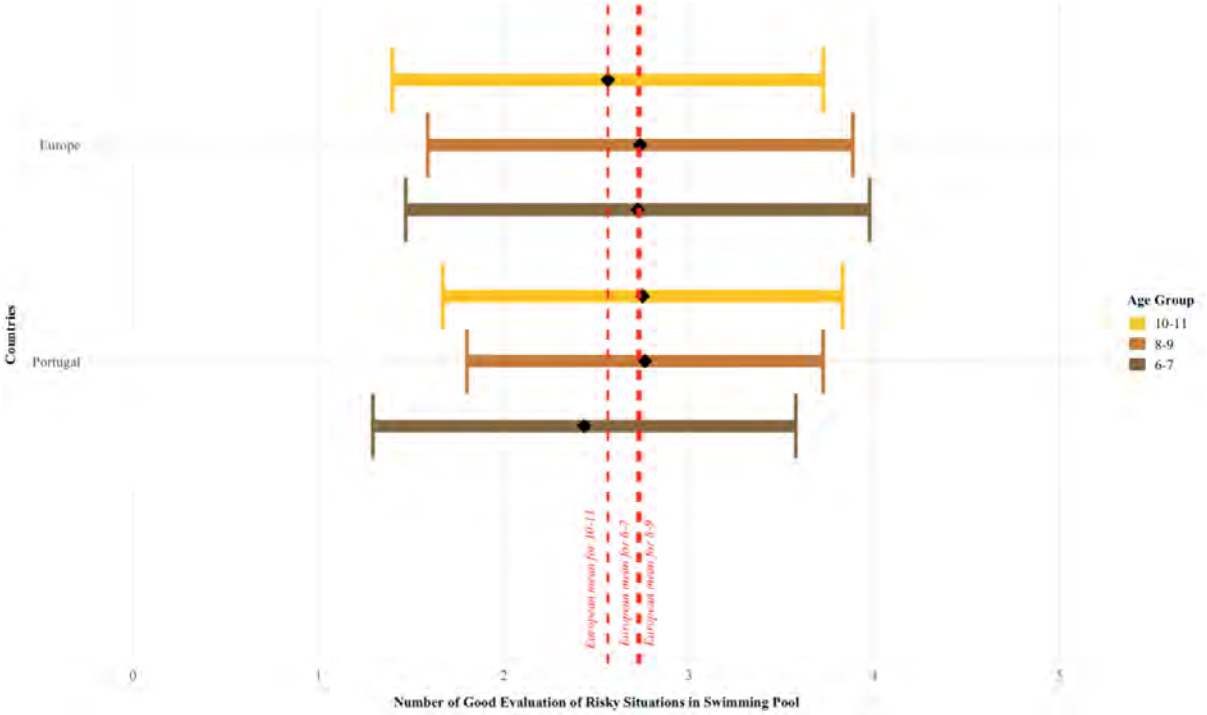


Figure 866. Distribution of the Number of Good Evaluation of Risky Situations in the Swimming Pool according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1484. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	92	804	0.009 **	0.08 [a]	0.34 [1]
	8-9 yo	160	1,037	0.82	0.006 [a]	0.05 [1]
	10-11 yo	36	856	0.45	0.02 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1485. Comparative Analysis of the Number of Good Evaluation of Risky Situations in the Swimming Pool in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	92	160		0.01 *	0.15 [a]	0.62 [2]
	8-9 yo *vs* 10-11 yo		160	36	0.99	0.001 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	92		36	0.12	0.13 [a]	0.27 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

3. Low risks in open water

Overview

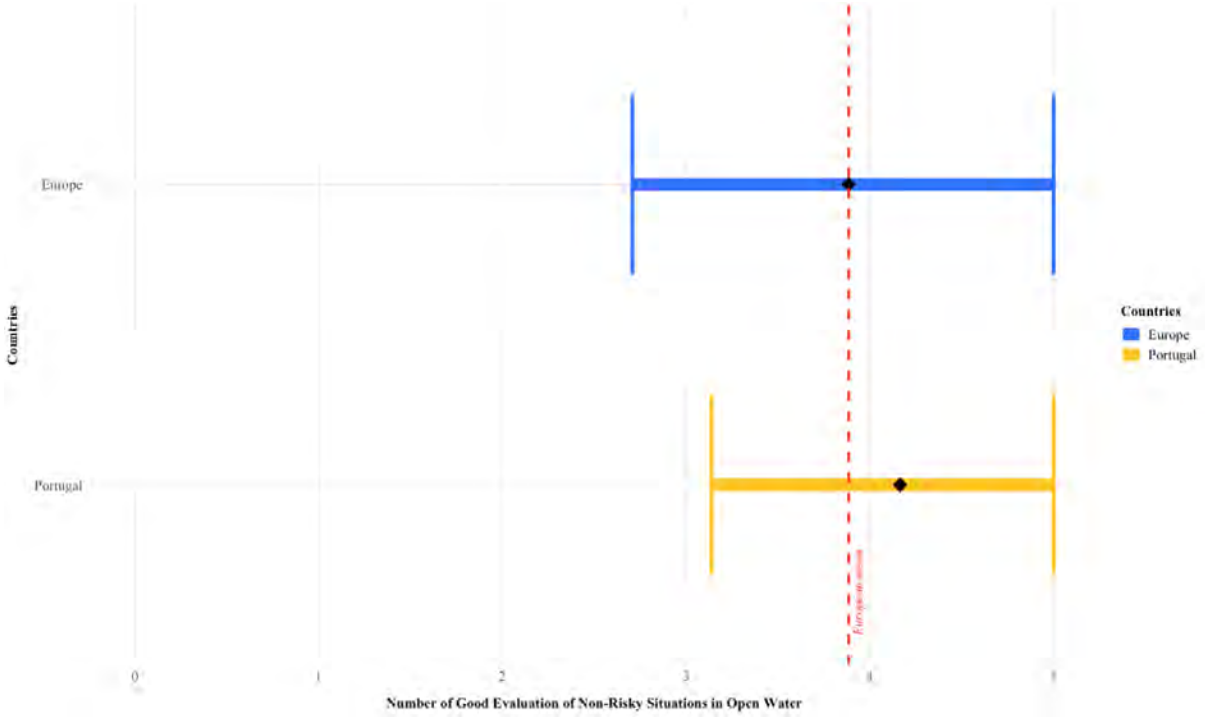


Figure 867. Distribution of the Number of Good Evaluation of Non-Risky Situations in Open Water in Europe and in Portugal (Mean±SD).

Table 1486. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	287	2,693	9.96^{e-05} ***	0.14 [a]	0.59 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

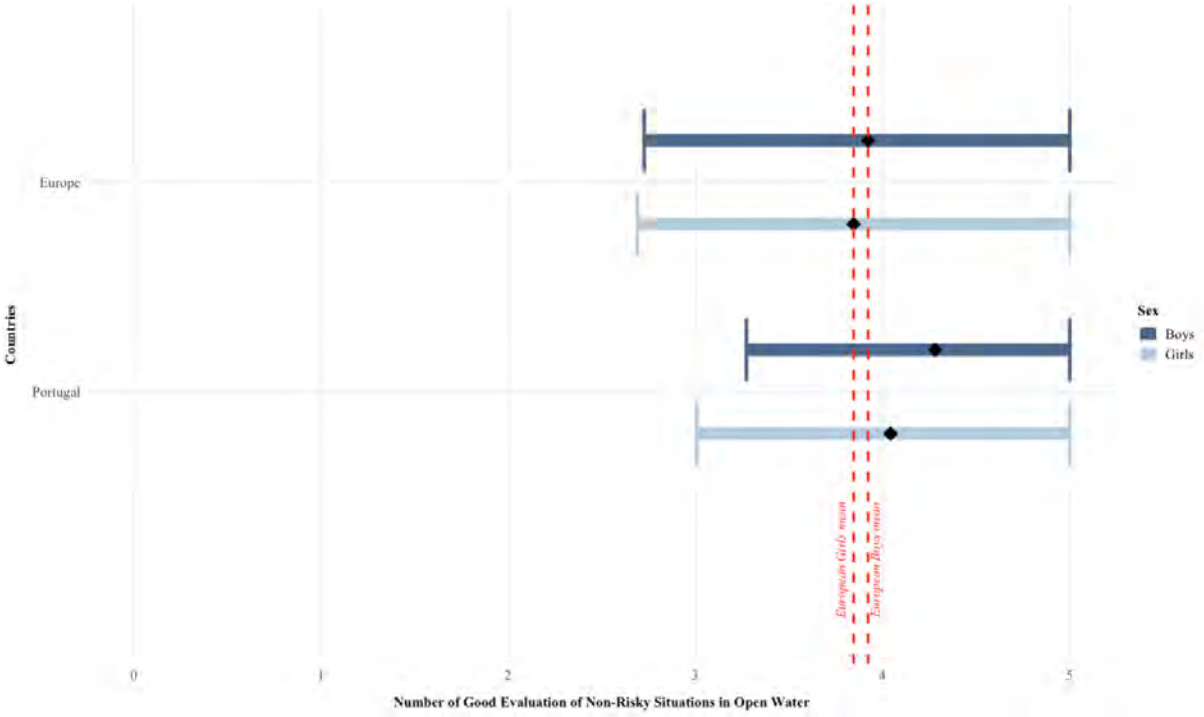


Figure 868. Distribution of the Number of Good Evaluation of Non-Risky Situations in Open Water according to the Sex in Europe and in Portugal (Mean±SD).

Table 1487. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	Boys	146	1,348	2.8^{e-04} ***	0.09 [a]	0.53 [2]
	Girls	141	1,345	0.07	0.04 [a]	0.18 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1488. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal	Boys *vs* Girls	146	141	0.02	0.13 [a]	0.59 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

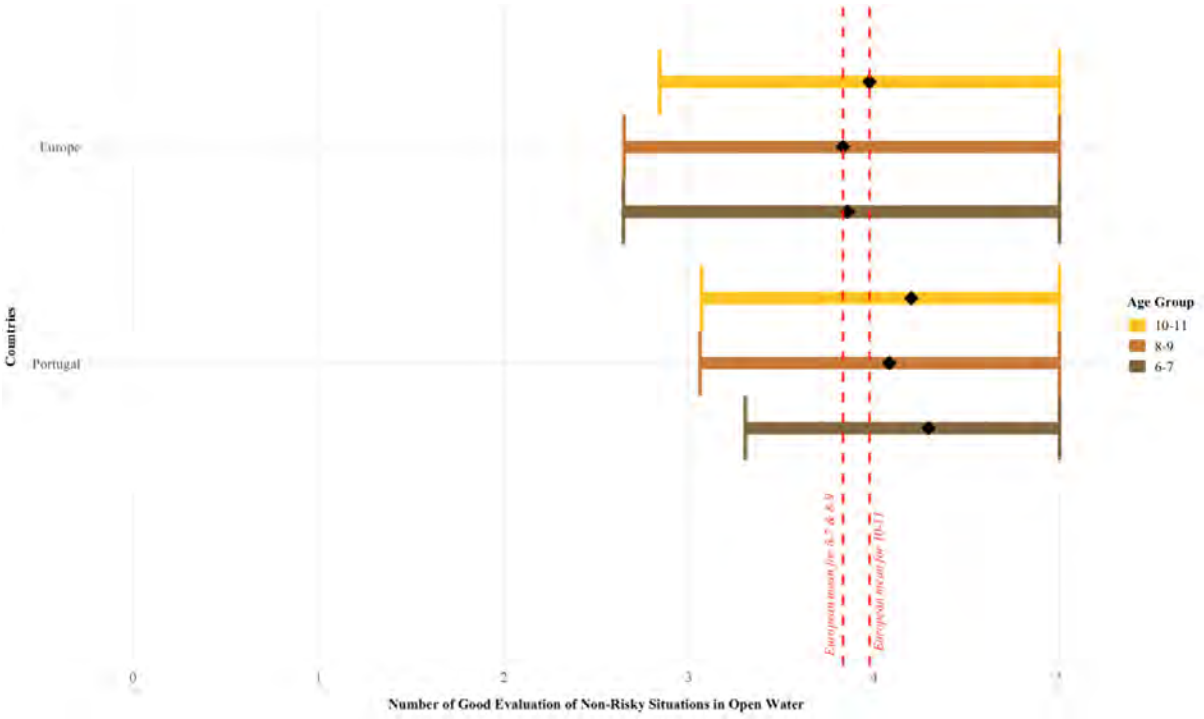


Figure 869. Distribution of the Number of Good Evaluation of Non-Risky Situations in Open Water according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1489. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	92	802	5^{e-04} ***	0.11 [a]	0.52 [2]
	8-9 yo	160	1,037	0.02 *	0.07 [a]	0.34 [1]
	10-11 yo	35	854	0.16	0.04 [a]	0.08 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1490. Comparative Analysis of the Number of Good Evaluation of Non-Risky Situations in Open Water in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	92	160		0.07	0.11 [a]	0.37 [1]
	8-9 yo *vs* 10-11 yo		160	35	0.36	0.06 [a]	0.1 [1]
	6-7 yo *vs* 10-11 yo	92		35	0.72	0.03 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

4. High risks in open water

Overview

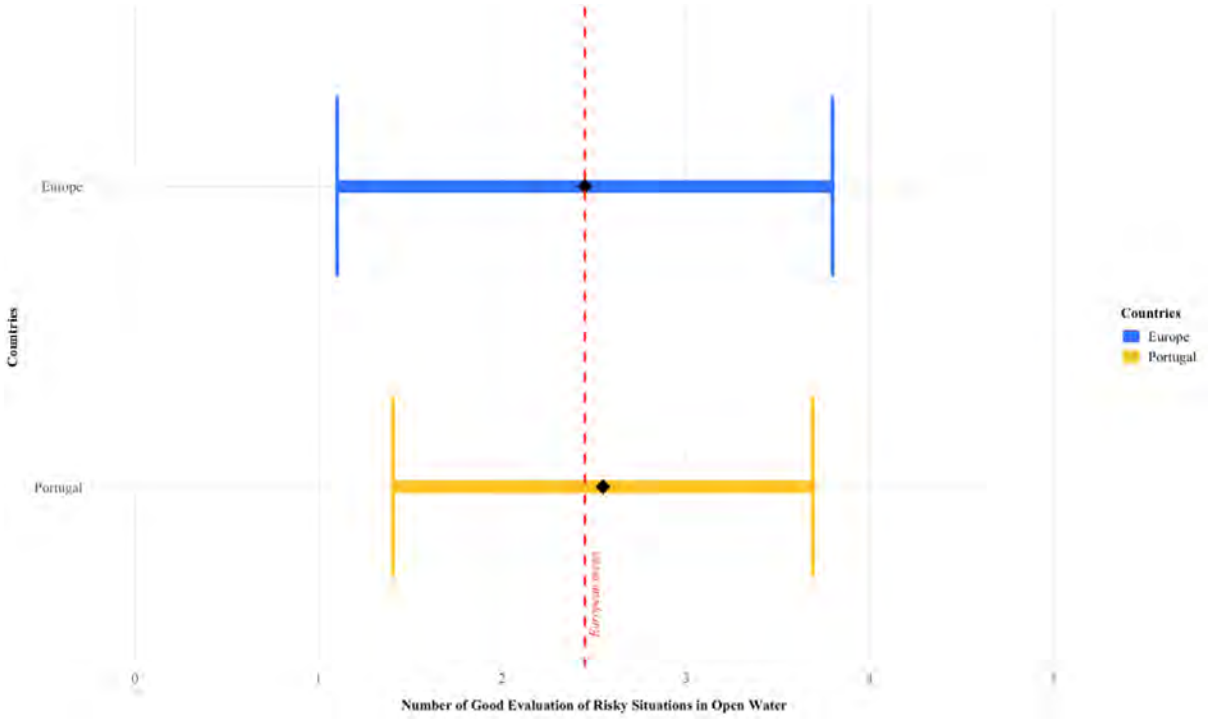


Figure 870. Distribution of the Number of Good Evaluation of Risky Situations in Open Water in Europe and in Portugal (Mean±SD).

Table 1491. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	287	2,692	0.26	0.04 [a]	0.1 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

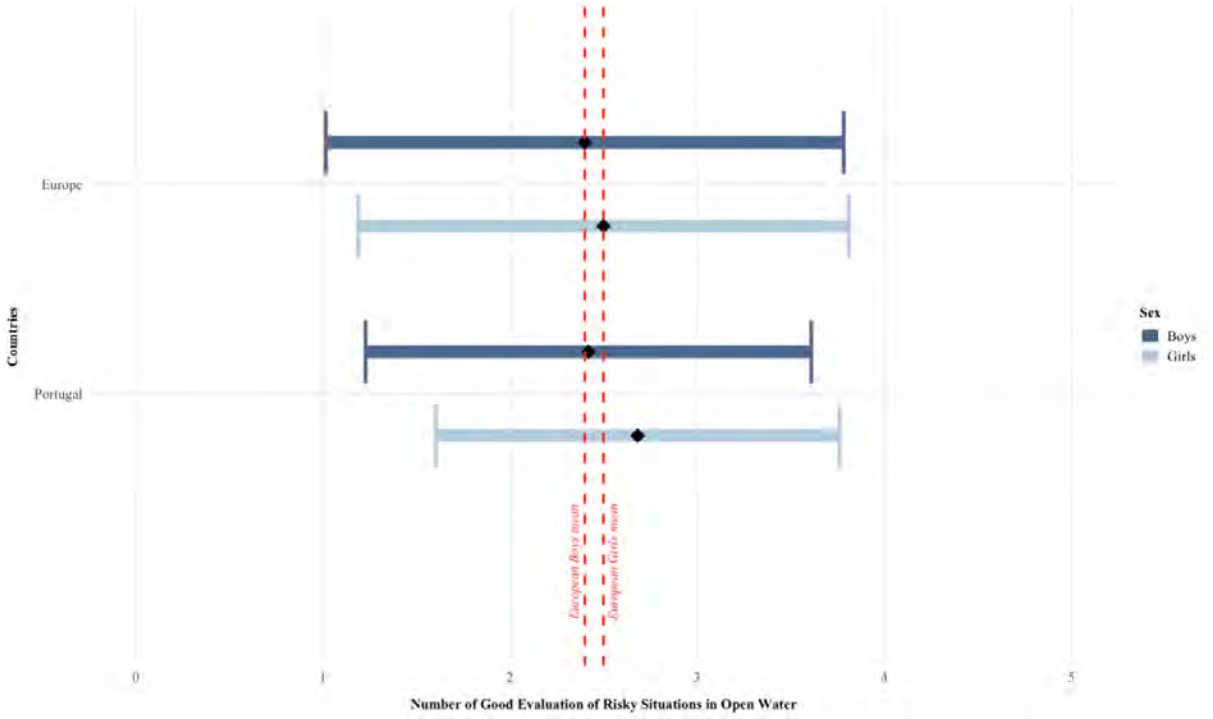


Figure 871. Distribution of the Number of Good Evaluation of Risky Situations in Open Water according to the Sex in Europe and in Portugal (Mean±SD).

Table 1492. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	Boys	146	1,348	0.98	7^{e-04} [a]	0.05 [1]
	Girls	141	1,344	0.11	0.04 [a]	0.15 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1493. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal	Boys *vs* Girls	146	141	0.05 *	0.11 [a]	0.48 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

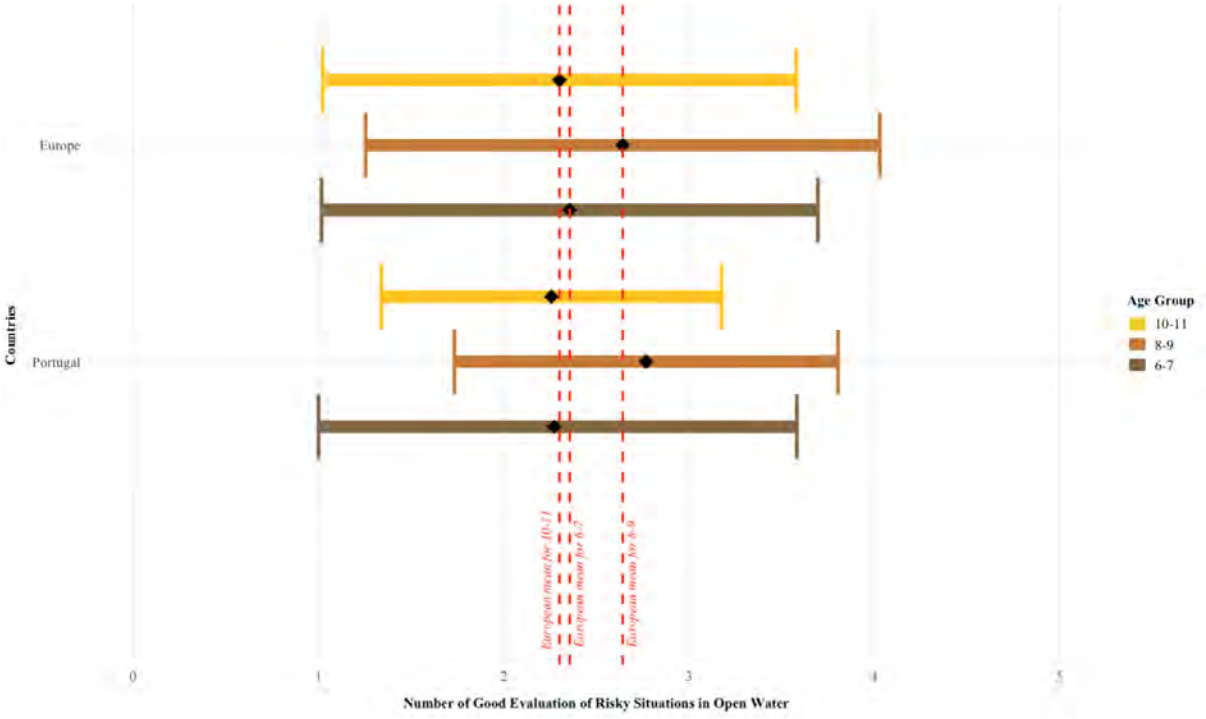


Figure 872. Distribution of the Number of Good Evaluation of Risky Situations in Open Water according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1494. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	92	801	0.57	0.02 [a]	0.06 [1]
	8-9 yo	160	1,036	0.4	0.02 [a]	0.09 [1]
	10-11 yo	35	855	0.83	0.007 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1495. Comparative Analysis of the Number of Good Evaluation of Risky Situations in Open Water in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	92	160		0.003 **	0.18 [a]	0.8 [3]
	8-9 yo *vs* 10-11 yo		160	35	0.01 *	0.17 [a]	0.46 [1]
	6-7 yo *vs* 10-11 yo	92		35	0.96	0.004 [a]	0.05 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

D. Isolated task

Descriptive analysis

Table 1496. Number of children who did the Isolated Tasks test.

Country	Sex	Age group	Entry in the water (n=)	Exit from the water (n=)	Propulsion on the belly (n=)	Floating (n=)
Europe	Boys	6-7	300	300	288	289
		8-9	495	495	490	487
		10-11	366	366	357	357
	Girls	6-7	345	345	335	337
		8-9	421	421	419	421
		10-11	375	375	363	363
Portugal	Boys	6-7	46	46	45	45
		8-9	56	56	55	56
		10-11	17	17	17	17
	Girls	6-7	30	30	27	30
		8-9	71	71	68	71
		10-11	9	9	9	9
Total			**2,531**	**2,531**	**2,473**	**2,482**

Country	Sex	Age group	Propulsion on the Back (n=)	Breathing (n=)	Treading water (n=)	Submersion (n=)	Rotations (n=)
Europe	Boys	6-7	284	250	292	287	215
		8-9	485	470	490	487	412
		10-11	352	353	366	364	314
	Girls	6-7	328	310	340	332	247
		8-9	418	390	421	417	340
		10-11	364	364	372	374	321
Portugal	Boys	6-7	41	27	45	45	23
		8-9	54	51	55	56	37
		10-11	17	15	17	17	9
	Girls	6-7	25	17	28	30	16
		8-9	67	62	69	70	39
		10-11	9	9	9	9	7
Total			**2,444**	**2,318**	**2,504**	**2,488**	**1,980**

Notes. Europe: Belgium, France, Germany, Lithuania, Norway and Poland.

Table 1497. Descriptive analyse of the Isolated Tasks test.

Country	Sex	Age group	Entry in the water Mean (±SD)	Exit from the water Mean (±SD)	Propulsion on the belly Mean (±SD)	Floating Mean (±SD)
Europe	Boys	6-7	2.47 (±1.84)	3.31 (±1.86)	12.59 (±16.51)	4.74 (±5.84)
		8-9	3.58 (±1.58)	4.11 (±1.49)	30.57 (±23.48)	9.23 (±6.03)
		10-11	4.21 (±1.24)	4.53 (±1.14)	47.11 (±21.57)	10.54 (±5.2)
	Girls	6-7	2.21 (±1.87)	3.02 (±1.86)	13.58 (±17.53)	5.64 (±6.17)
		8-9	3.26 (±1.61)	3.82 (±1.65)	29.6 (±23.83)	9.68 (±6.19)
		10-11	3.89 (±1.39)	4.23 (±1.4)	47.15 (±22.46)	11.22 (±5.08)
Portugal	Boys	6-7	2.31 (±1.18)	2.66 (±1.59)	12.74 (±15.21)	3.72 (±5.49)
		8-9	2.97 (±1.08)	3.43 (±1.34)	25.86 (±20.44)	7.36 (±6.48)
		10-11	3.42 (±1.23)	4 (±1.5)	25.59 (±20.68)	10.12 (±6.43)
	Girls	6-7	1.77 (±1.11)	1.94 (±1.23)	6.93 (±11.52)	3.8 (±6.15)
		8-9	2.61 (±1.01)	2.74 (±1.48)	19.28 (±15.59)	6.06 (±6.49)
		10-11	2.78 (±0.98)	3.34 (±1.59)	22 (±16.18)	6.67 (±7.91)

Country	Sex	Age group	Propulsion on the back Mean (±SD)	Breathing Mean (±SD)	Treading water Mean (±SD)	Submersion Mean (±SD)	Rotations Mean (±SD)
Europe	Boys	6-7	12.6 (±16.96)	3.1 (±1.57)	27.55 (±40.3)	0.83 (±1.41)	2.06 (±1.79)
		8-9	31.71 (±23.72)	4.08 (±1.36)	67.97 (±50.59)	2.35 (±2.85)	3.32 (±1.69)
		10-11	43.24 (±20.8)	4.47 (±1.09)	96.13 (±40.9)	3.78 (±3.39)	4.03 (±1.31)
	Girls	6-7	13.84 (±18.49)	3.15 (±1.59)	28.98 (±42.16)	0.76 (±1.44)	1.98 (±1.82)
		8-9	30.88 (±24.73)	3.88 (±1.45)	65.02 (±51.04)	2.08 (±2.38)	3.17 (±1.68)
		10-11	43.67 (±21.27)	4.33 (±1.17)	93.54 (±43.63)	3.76 (±3.37)	4.08 (±1.38)
Portugal	Boys	6-7	15.32 (±20.1)	3.56 (±1.68)	32.87 (±44.1)	0.83 (±1.09)	1.61 (±1.59)
		8-9	25.26 (±22.02)	4.24 (±1.21)	52.06 (±46.66)	1.92 (±2.08)	2.95 (±1.75)
		10-11	34.71 (±31.3)	4.27 (±1.1)	54.65 (±48.8)	1.74 (±1.52)	2.12 (±1.77)
	Girls	6-7	11.4 (±19.01)	3.42 (±1.55)	22.72 (±41.61)	0.94 (±1.49)	1.25 (±1.4)
		8-9	24.59 (±20.51)	4.13 (±1.17)	56.48 (±45.5)	1.69 (±2.3)	2.54 (±1.88)
		10-11	35 (±20.48)	3.78 (±1.49)	72.89 (±55.17)	1.67 (±1.66)	1.72 (±1.89)

Notes. Europe: Belgium, France, Germany, Lithuania, Norway and Poland.

a. Entry in the water

Overview

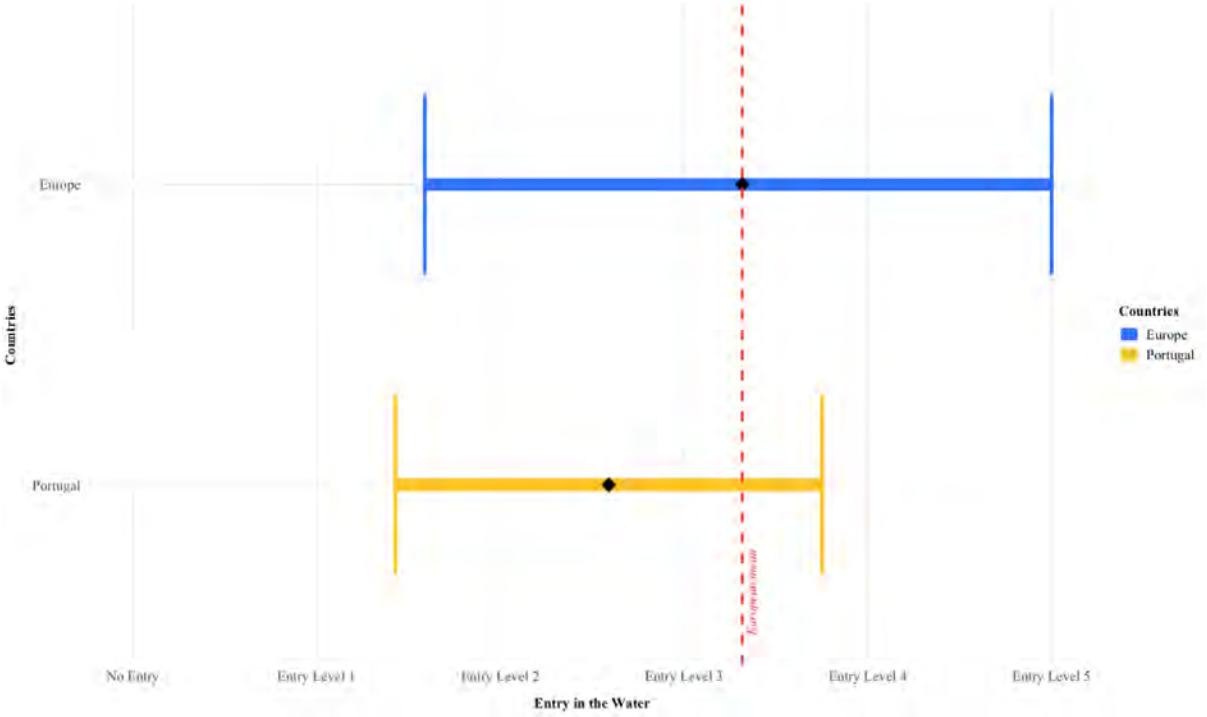


Figure 873. Distribution of the Entry in the Water in Europe and in Portugal (Mean±SD).

Table 1498. Comparative Analysis of the Entry in the Water in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	229	2,302	2.28^{e-16} ***	0.32 [b]	1 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

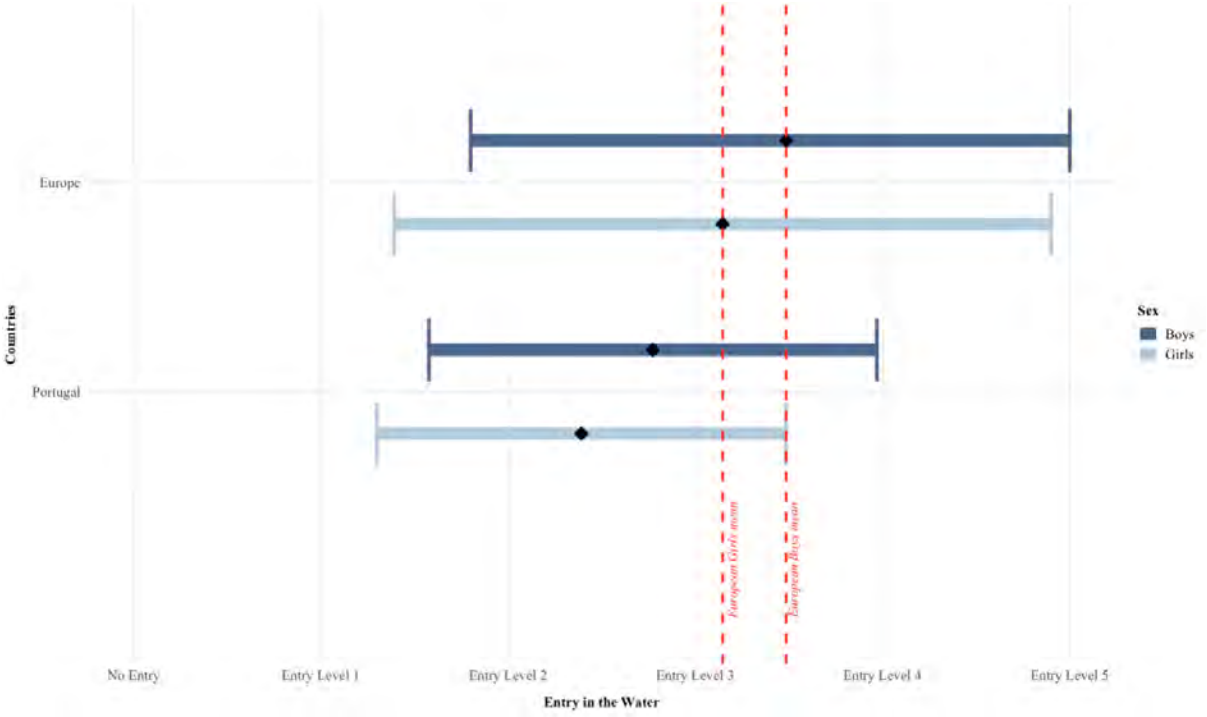


Figure 874. Distribution of the Entry in the Water according to the Sex in Europe and in Portugal (Mean±SD).

Table 1499. Comparative Analysis of the Entry in the Water in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	Boys	119	1,161	1.04^{e-09} ***	0.16 [a]	0.93 [4]
	Girls	110	1,141	1.52^{e-08} ***	0.16 [a]	0.88 [3]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1500. Comparative Analysis of the Entry in the Water in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	Boys *vs* Girls	199	110	0.02 *	0.15 [a]	0.64 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

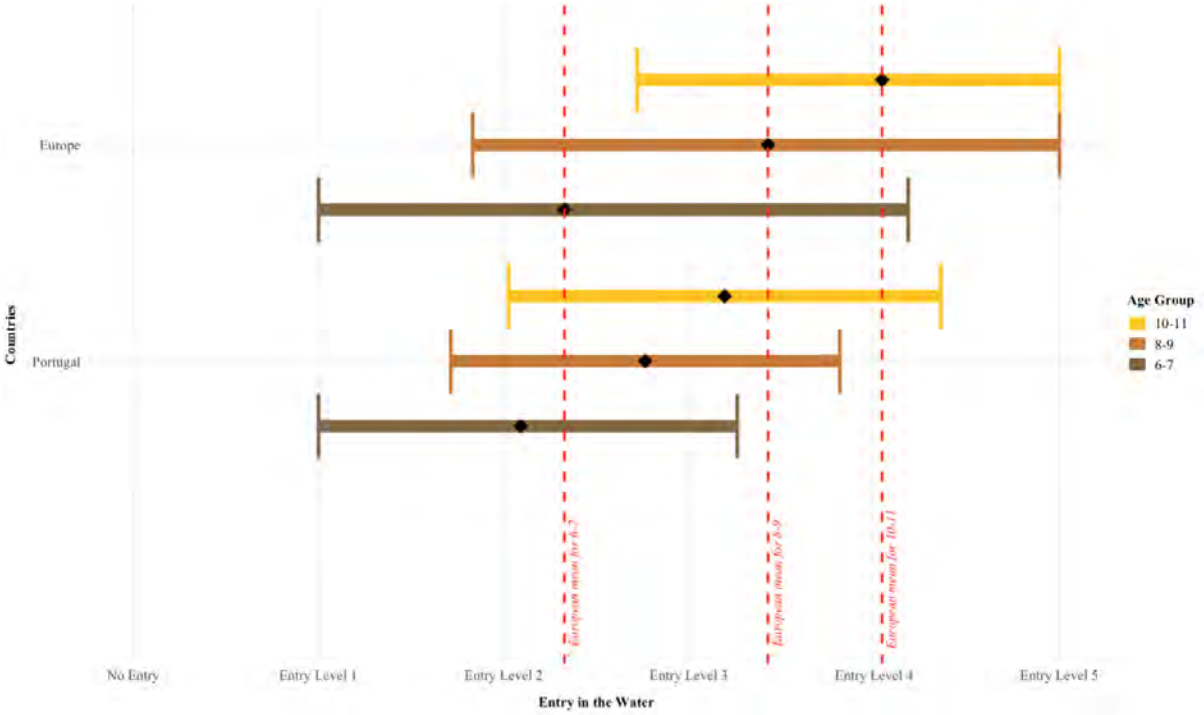


Figure 875. Distribution of the Entry in the Water according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1501. Comparative Analysis of the Entry in the Water in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	76	645	0.5	0.02 [a]	0.07 [1]
	8-9 yo	127	916	5.44^{e-10} ***	0.19 [a]	0.98 [4]
	10-11 yo	26	741	5.1^{e-05} ***	0.13 [a]	0.27 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1502. Comparative Analysis of the Entry in the Water in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	79	127		1.54^{e-04} ***	0.25 [b]	0.95 [4]
	8-9 yo *vs* 10-11 yo		127	26	0.09	0.13 [a]	0.22 [1]
	6-7 yo *vs* 10-11 yo	79		26	2.36^{e-04} ***	0.35 [b]	0.9 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

b. Exit from the water

Overview

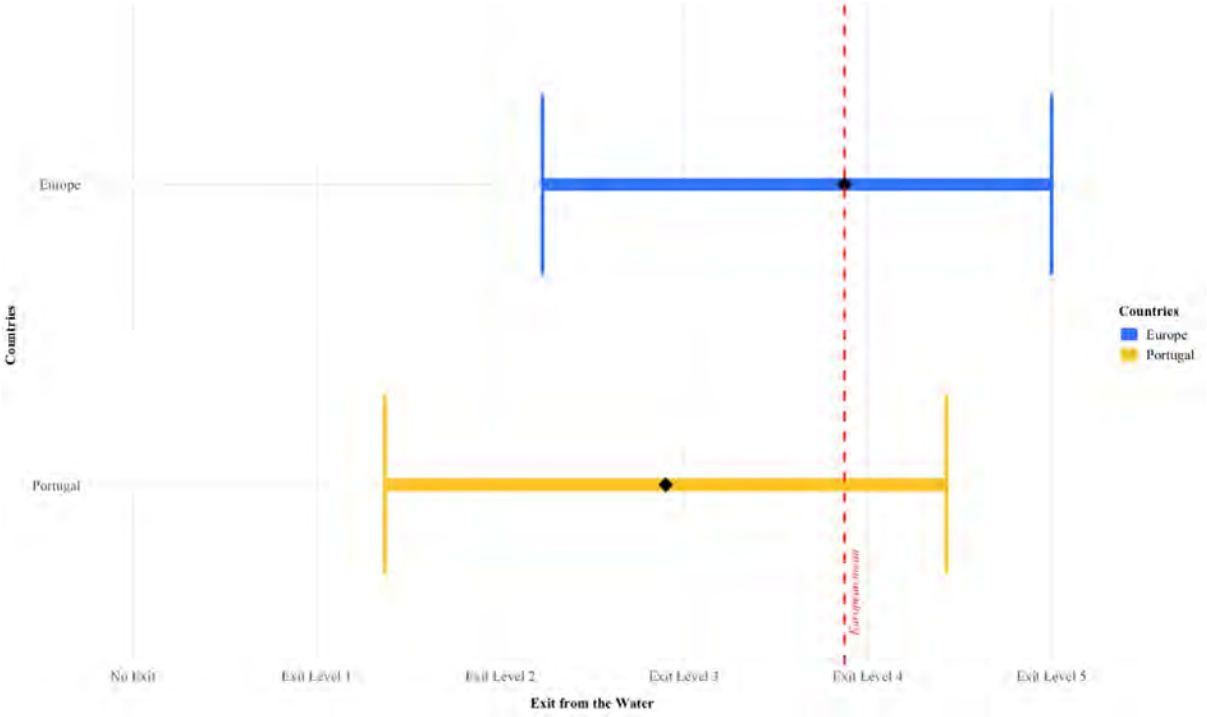


Figure 876. Distribution of the Exit from the Water in Europe and in Portugal (Mean±SD).

Table 1503. Comparative Analysis of the Exit from the Water in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	229	2,302	1.4^{e-22} ***	0.36 [b]	0.9 [3]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

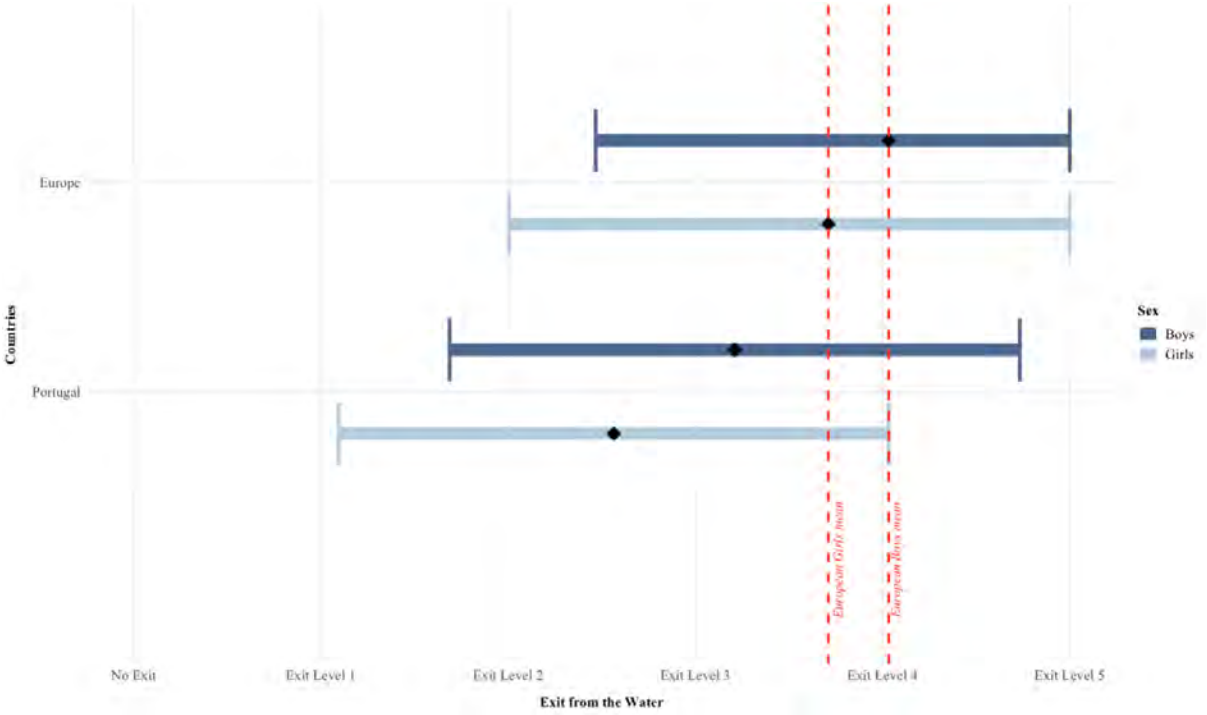


Figure 877. Distribution of the Exit from the Water according to the Sex in Europe and in Portugal (Mean±SD).

Table 1504. Comparative Analysis of the Exit from the Water in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	Boys	119	1,161	1.3^{e-10} ***	0.16 [a]	0.98 [4]
	Girls	110	1,141	4.51^{e-14} ***	0.2 [b]	0.98 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1505. Comparative Analysis of the Exit from the Water in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	Boys *vs* Girls	119	110	0.001 **	0.2 [a]	0.88 [3]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

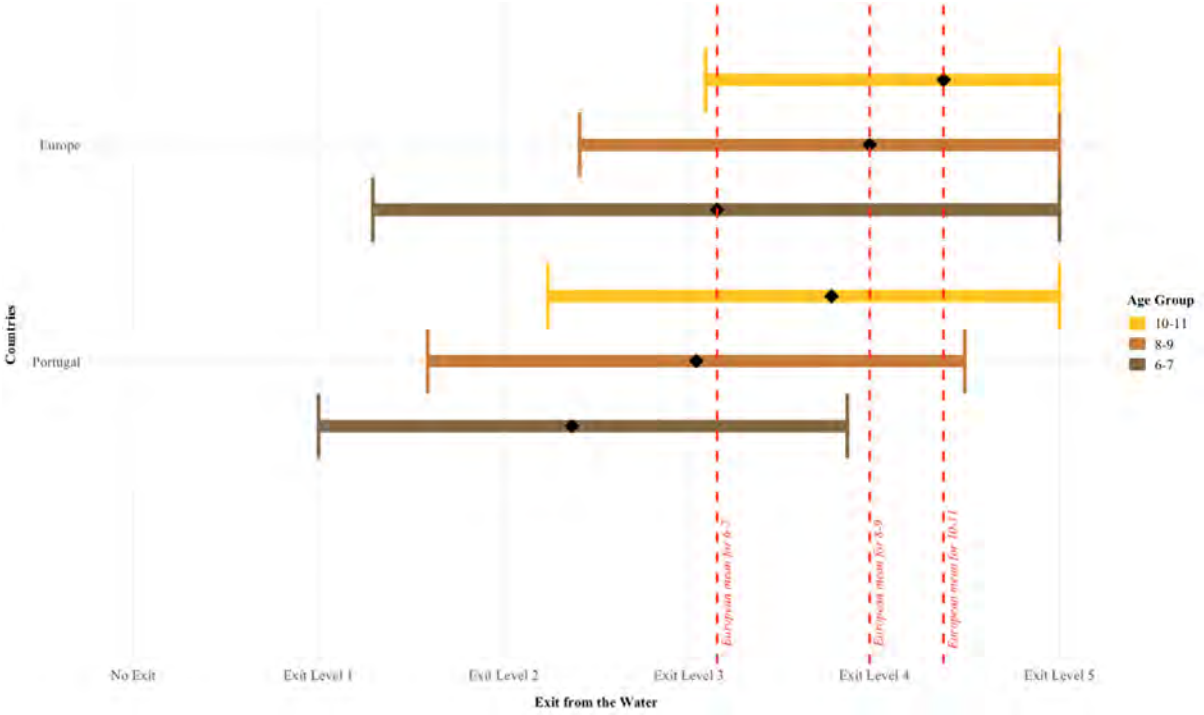


Figure 878. Distribution of the Exit from the Water according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1506. Comparative Analysis of the Exit from the Water in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	76	645	2.45^{e-04} ***	0.13 [a]	0.59 [2]
	8-9 yo	127	916	8.37^{e-14} ***	0.21 [b]	0.99 [4]
	10-11 yo	26	741	0.007 **	0.08 [a]	0.12 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1507. Comparative Analysis of the Exit from the Water in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	76	127		0.001 **	0.22 [a]	0.87 [3]
	8-9 yo *vs* 10-11 yo		127	26	0.02 *	0.18 [a]	0.41 [1]
	6-7 yo *vs* 10-11 yo	76		26	1.36^{e-04} ***	0.37 [b]	0.93 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

c. Propulsion on the belly

Overview

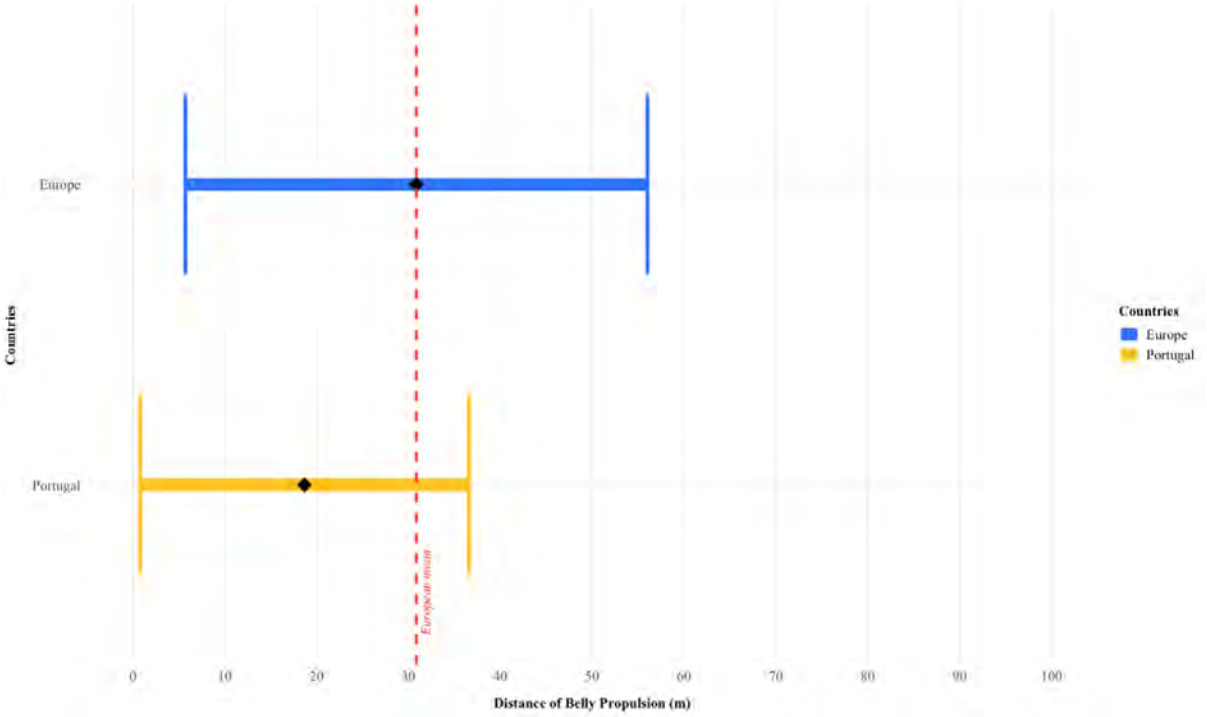


Figure 879. Distribution of the Propulsion on the Belly in Europe and in Portugal (Mean±SD).

Table 1508. Comparative Analysis of the Propulsion on the Belly in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	221	2,252	2.97^{e-11} ***	0.27 [b]	0.97 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

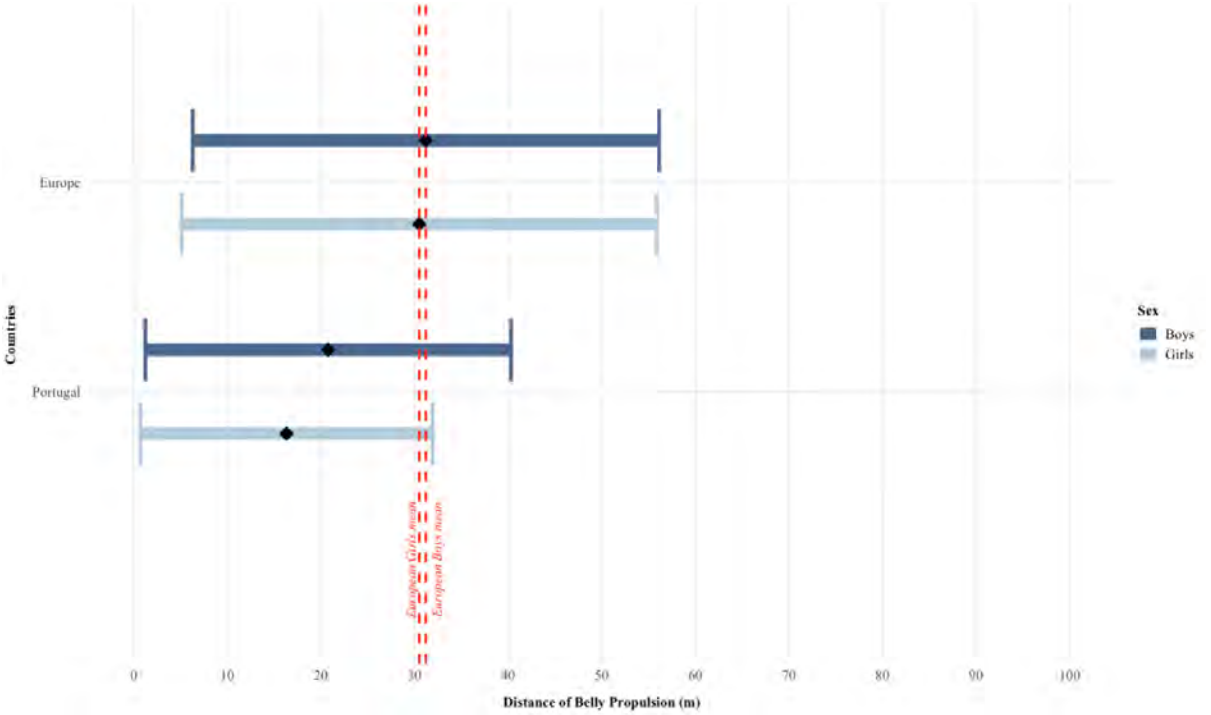


Figure 880. Distribution of the Propulsion on the Belly according to the Sex in Europe and in Portugal (Mean±SD).

Table 1509. Comparative Analysis of the Propulsion on the Belly in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	Boys	117	1,135	2.3^{e-05} ***	0.12 [a]	0.69 [2]
	Girls	104	1,117	2.19^{e-07} ***	0.15 [a]	0.83 [3]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1510. Comparative Analysis of the Propulsion on the Belly in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal	Boys *vs* Girls	117	104	0.13	0.1 [a]	0.32 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

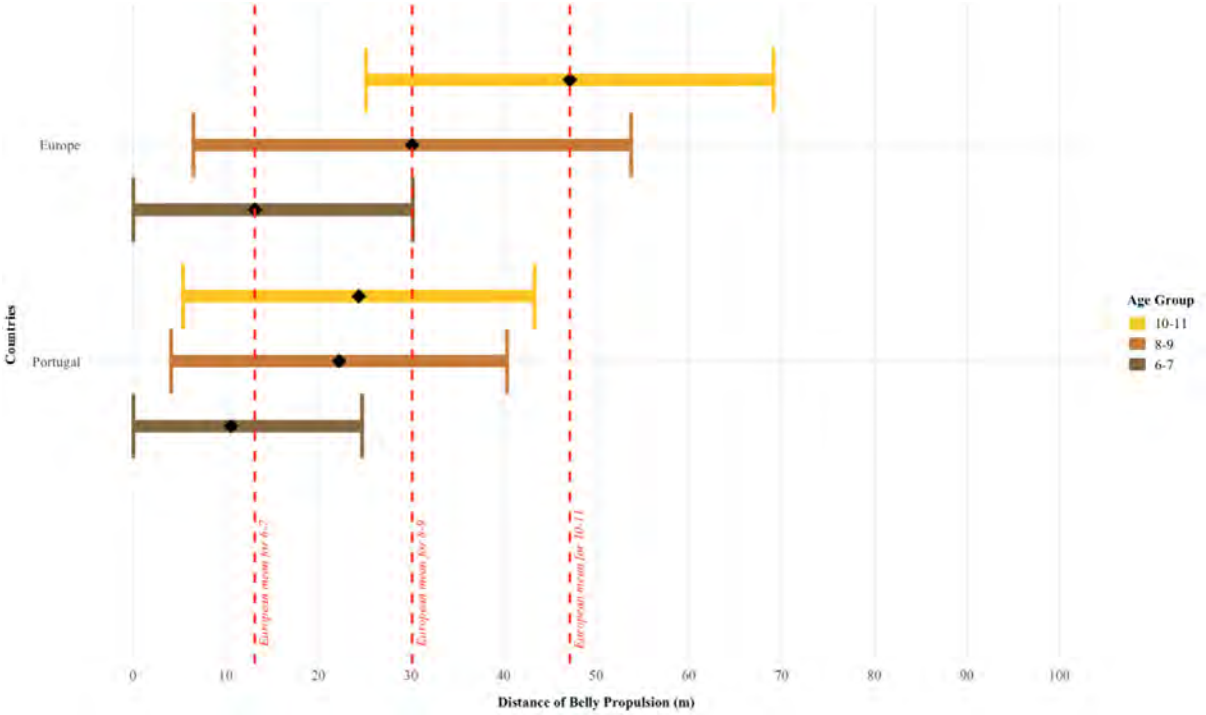


Figure 881. Distribution of the Propulsion on the Belly according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1511. Comparative Analysis of the Propulsion on the Belly in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	72	623	0.2	0.05 [a]	0.12 [1]
	8-9 yo	123	909	0.001 **	0.1 [a]	0.56 [2]
	10-11 yo	26	720	1.67^{e-06} ***	0.17 [a]	0.43 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1512. Comparative Analysis of the Propulsion on the Belly in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	72	123		1.68^{e-06} ***	0.34 [b]	1 [4]
	8-9 yo *vs* 10-11 yo		123	26	0.63	0.04 [a]	0.06 [a]
	6-7 yo *vs* 10-11 yo	72		26	1.73^{e-04} ***	0.37 [b]	0.93 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

k. Propulsion on the back

Overview

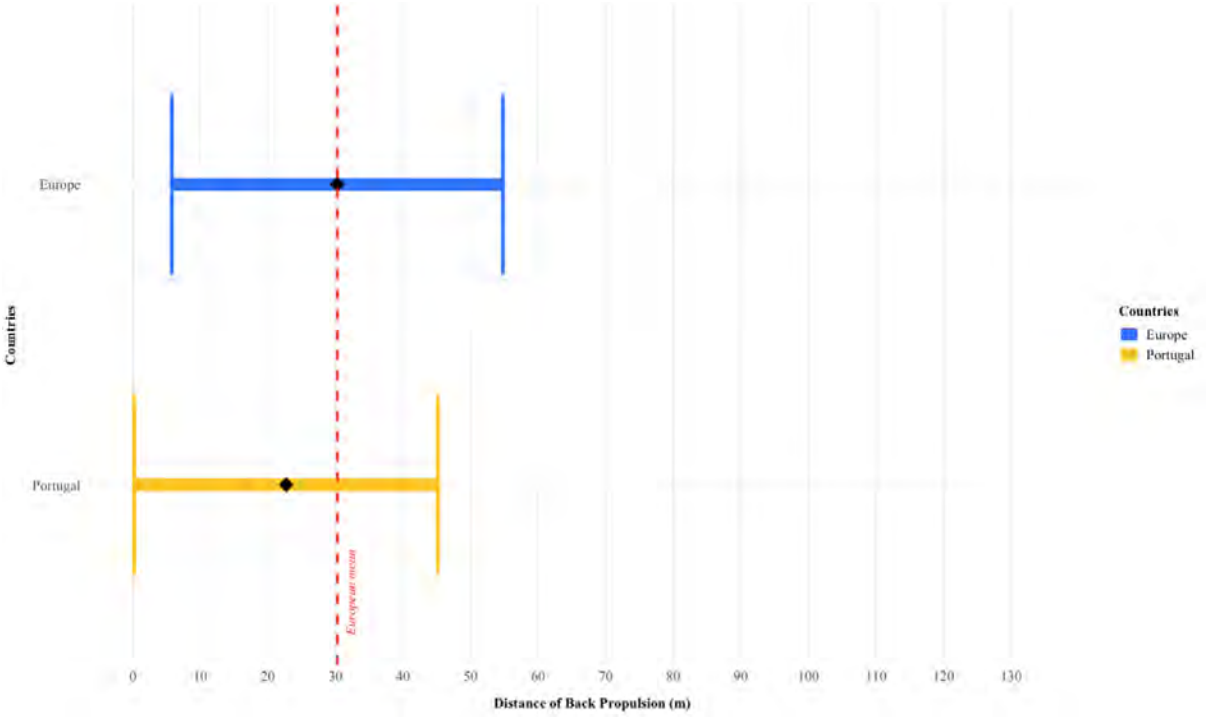


Figure 882. Distribution of the Propulsion on the Back in Europe and in Portugal (Mean±SD).

Table 1513. Comparative Analysis of the Propulsion on the Back in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	213	2,231	1.26^{e-05} ***	0.18 [a]	0.669 [3]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

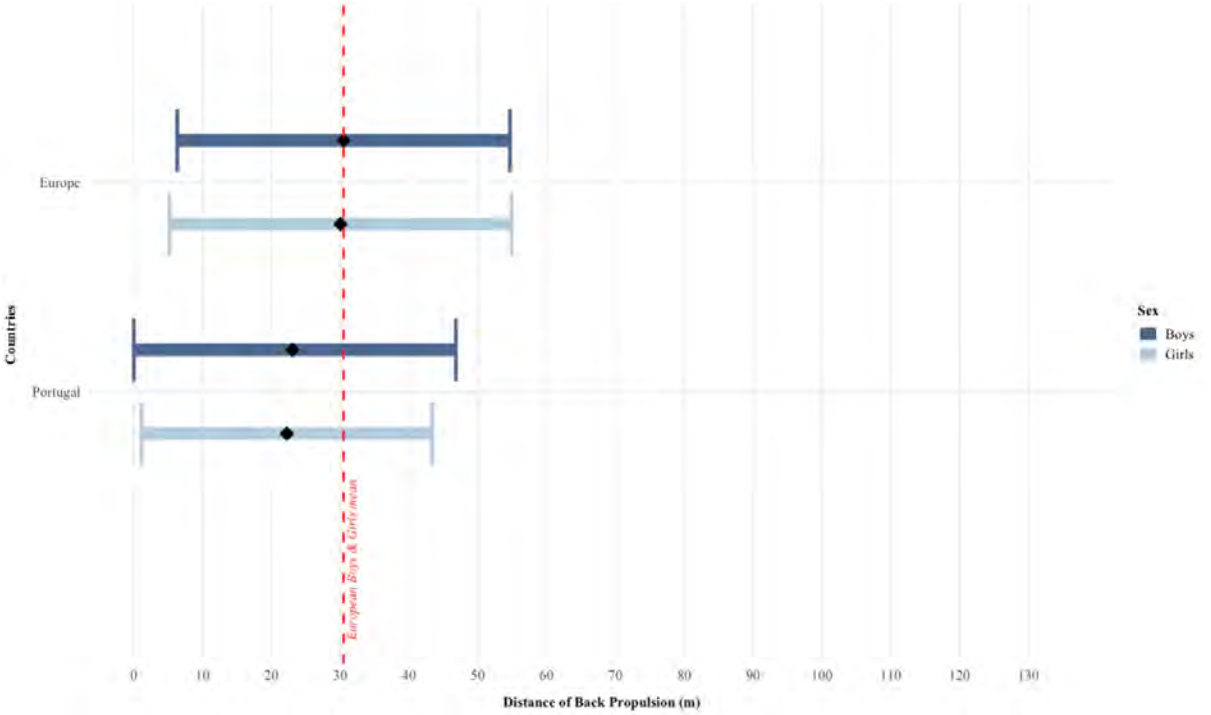


Figure 883. Distribution of the Propulsion on the Back according to the Sex in Europe and in Portugal (Mean±SD).

Table 1514. Comparative Analysis of the Propulsion on the Back in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	Boys	112	1,121	0.003 **	0.08 [a]	0.4 [1]
	Girls	101	1,110	0.001 **	0.09 [a]	0.43 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1515. Comparative Analysis of the Propulsion on the Back in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	Boys *vs* Girls	112	101	0.73	0.02 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

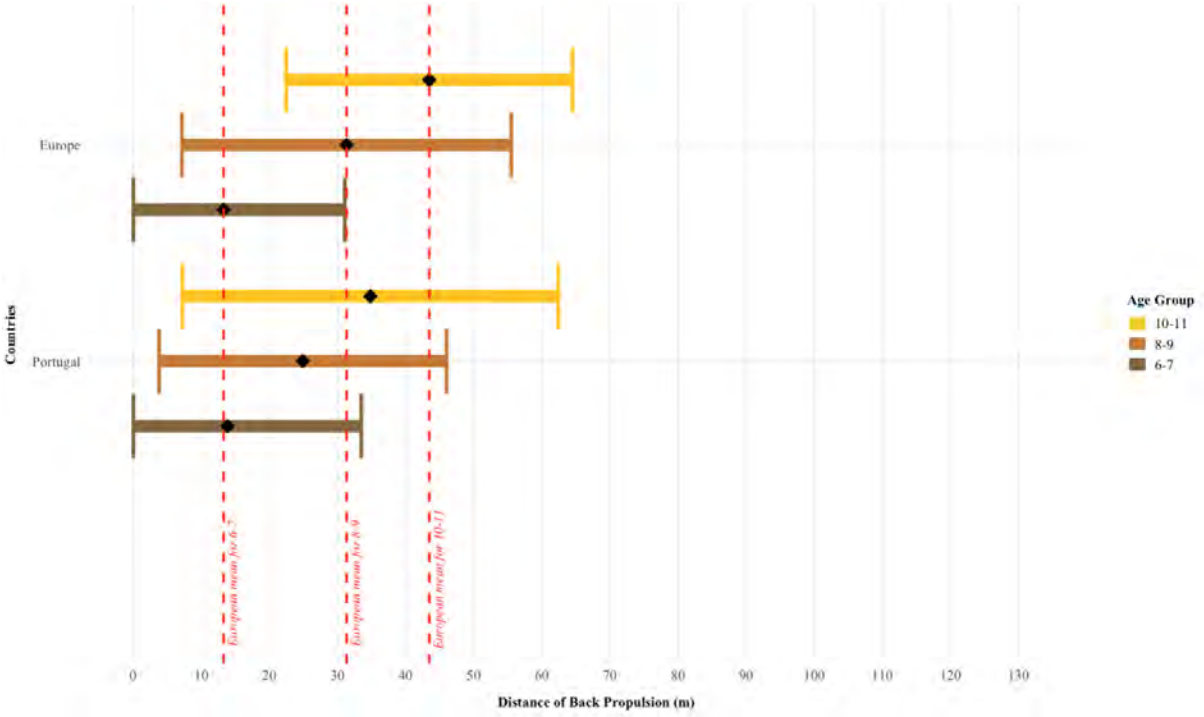


Figure 884. Distribution of the Propulsion on the Back according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1516. Comparative Analysis of the Propulsion on the Back in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	66	612	0.79	0.01 [a]	0.05 [1]
	8-9 yo	121	903	0.006 **	0.09 [a]	0.43 [1]
	10-11 yo	26	716	0.05 *	0.07 [a]	0.11 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1517. Comparative Analysis of the Propulsion on the Back in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	66	121		1.28^{e-04} ***	0.28 [b]	0.96 [4]
	8-9 yo *vs* 10-11 yo		121	26	0.05	0.16 [a]	0.31 [1]
	6-7 yo *vs* 10-11 yo	66		26	3.98^{e-05} ***	0.42 [b]	0.97 [4]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

d. Submersion

Overview

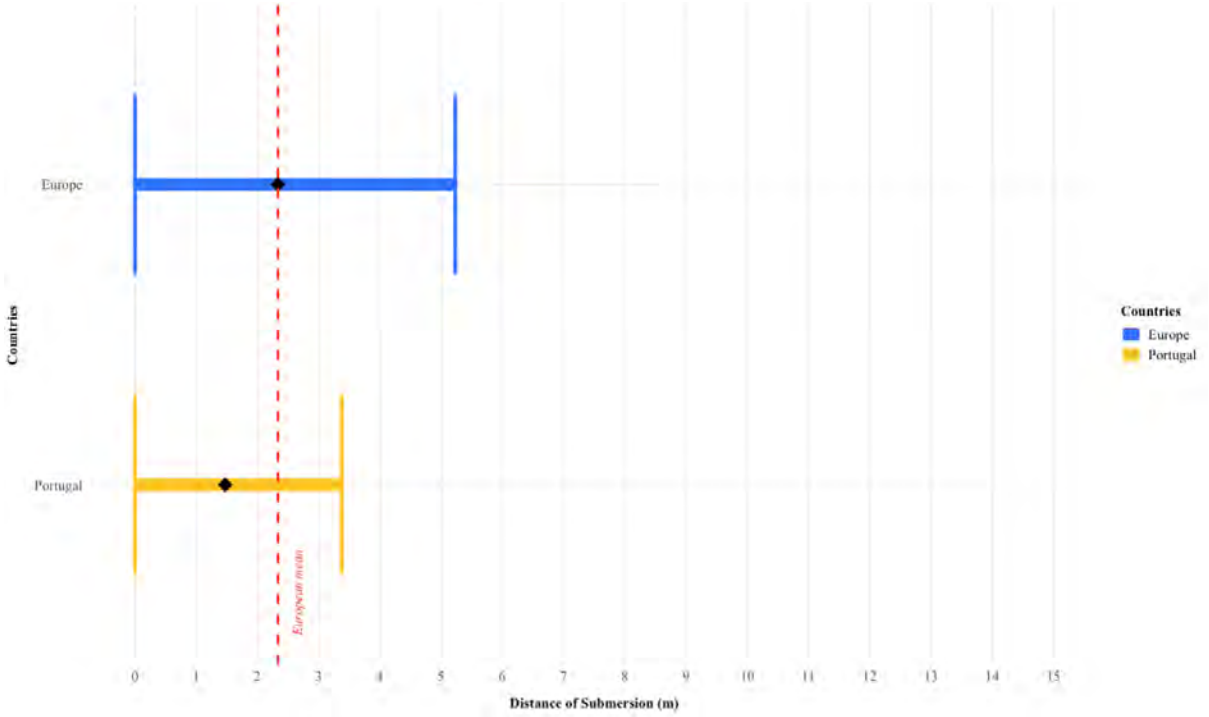


Figure 885. Distribution of the Submersion in Europe and in Portugal (Mean±SD).

Table 1518. Comparative Analysis of the Submersion in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	227	2,261	3.8^{e-04} ***	0.14 [a]	0.51 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

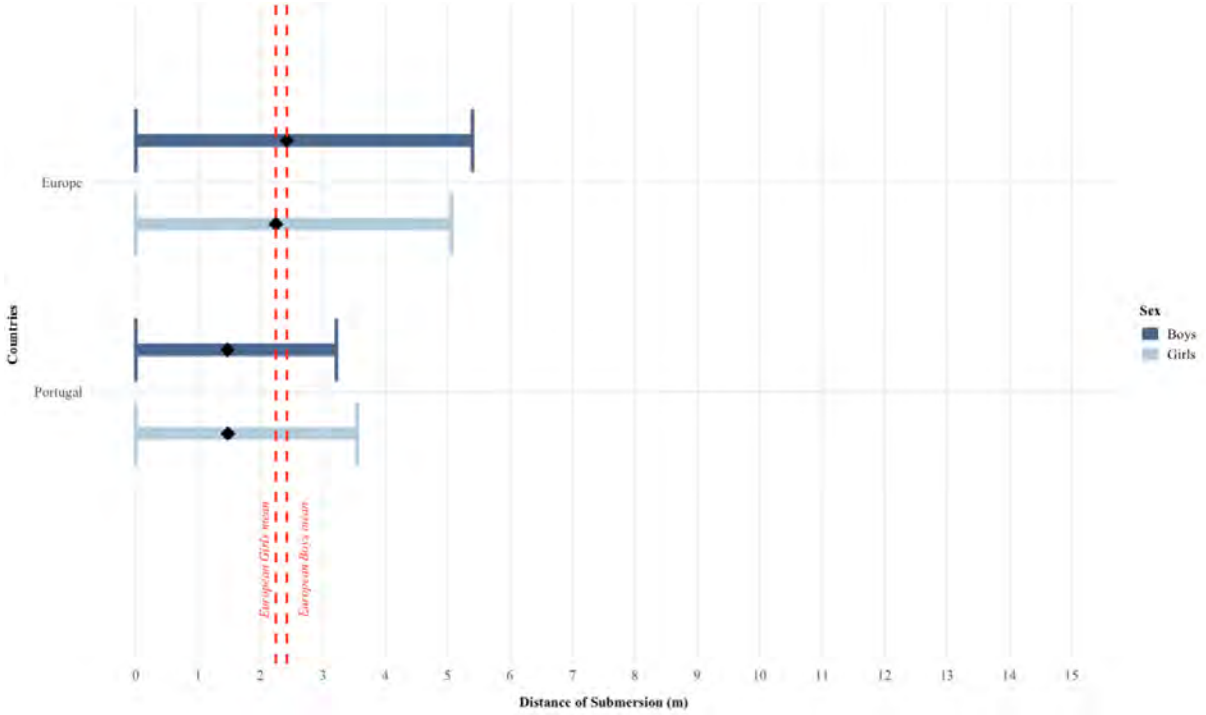


Figure 886. Distribution of the Submersion according to the Sex in Europe and in Portugal (Mean±SD).

Table 1519. Comparative Analysis of the Submersion in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	Boys	118	1,138	0.009 **	0.07 [a]	0.31 [1]
	Girls	109	1,123	0.01 *	0.07 [a]	0.28 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1520. Comparative Analysis of the Submersion in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	Boys *vs* Girls	118	109	0.54	0.04 [a]	0.09 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

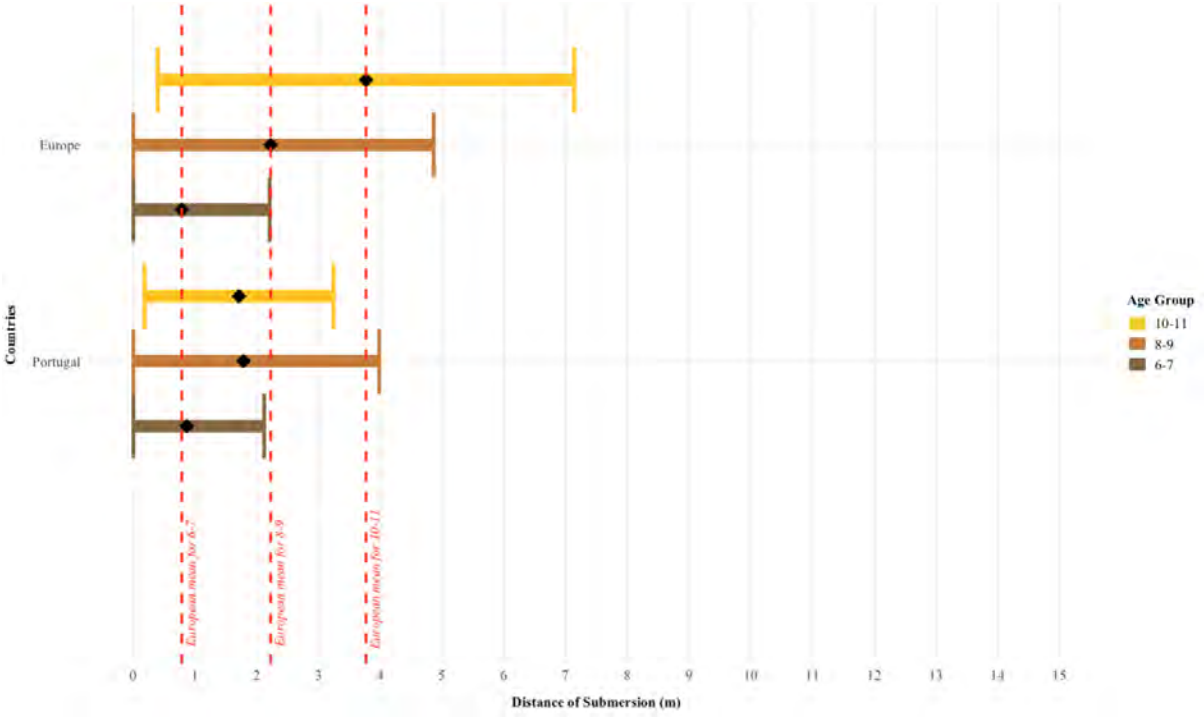


Figure 887. Distribution of the Submersion according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1521. Comparative Analysis of the Submersion in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	75	619	0.19	0.04 [a]	0.11 [1]
	8-9 yo	126	904	0.15	0.04 [a]	0.15 [1]
	10-11 yo	26	738	0.001 **	0.12 [a]	0.21 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1522. Comparative Analysis of the Submersion in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	75	126		7.9^{e-04} ***	0.23 [b]	0.89 [3]
	8-9 yo *vs* 10-11 yo		126	26	0.59	0.04 [a]	0.07 [1]
	6-7 yo *vs* 10-11 yo	75		26	0.005 **	0.26 [b]	0.66 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

e. Breathing

Overview

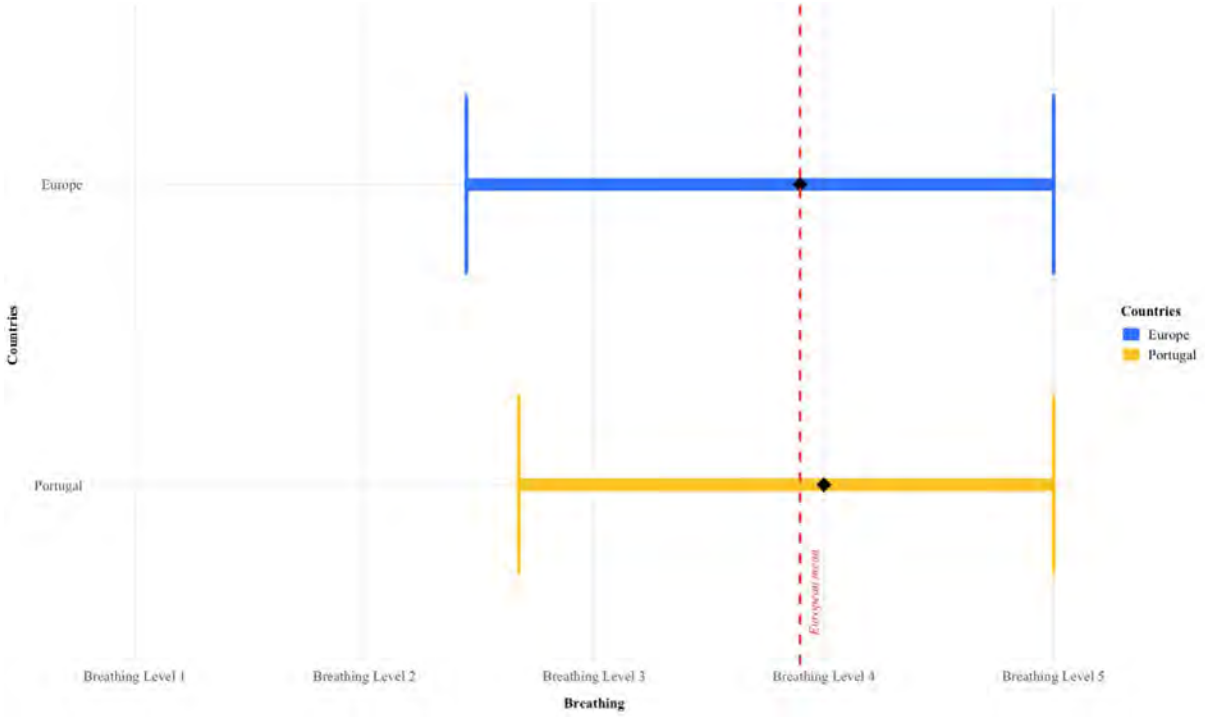


Figure 888. Distribution of the Breathing in Europe and in Portugal (Mean±SD).

Table 1523. Comparative Analysis of the Breathing in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	181	2,137	0.64	0.02 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

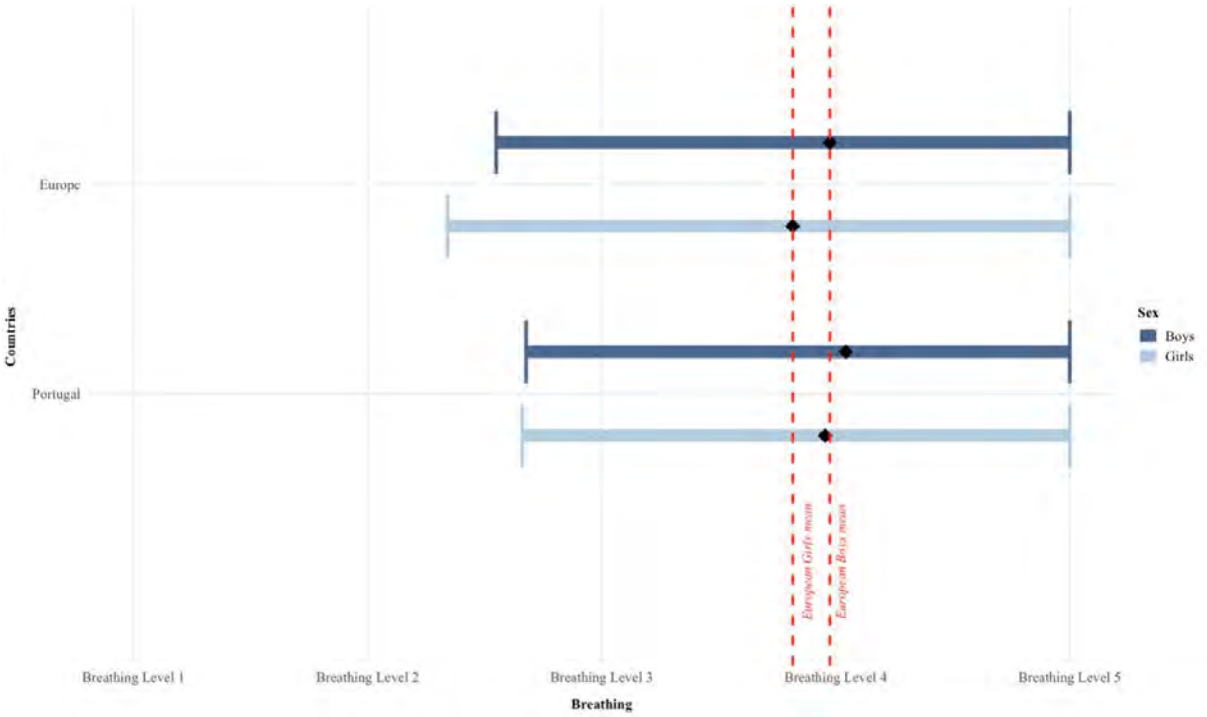


Figure 889. Distribution of the Breathing according to the Sex in Europe and in Portugal (Mean±SD).

Table 1524. Comparative Analysis of the Breathing in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	Boys	93	1,073	0.91	0.003 [a]	0.05 [1]
	Girls	88	1,064	0.58	0.01 [a]	0.06 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1525. Comparative Analysis of the Breathing in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal	Boys *vs* Girls	93	88	0.53	0.04 [a]	0.09 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

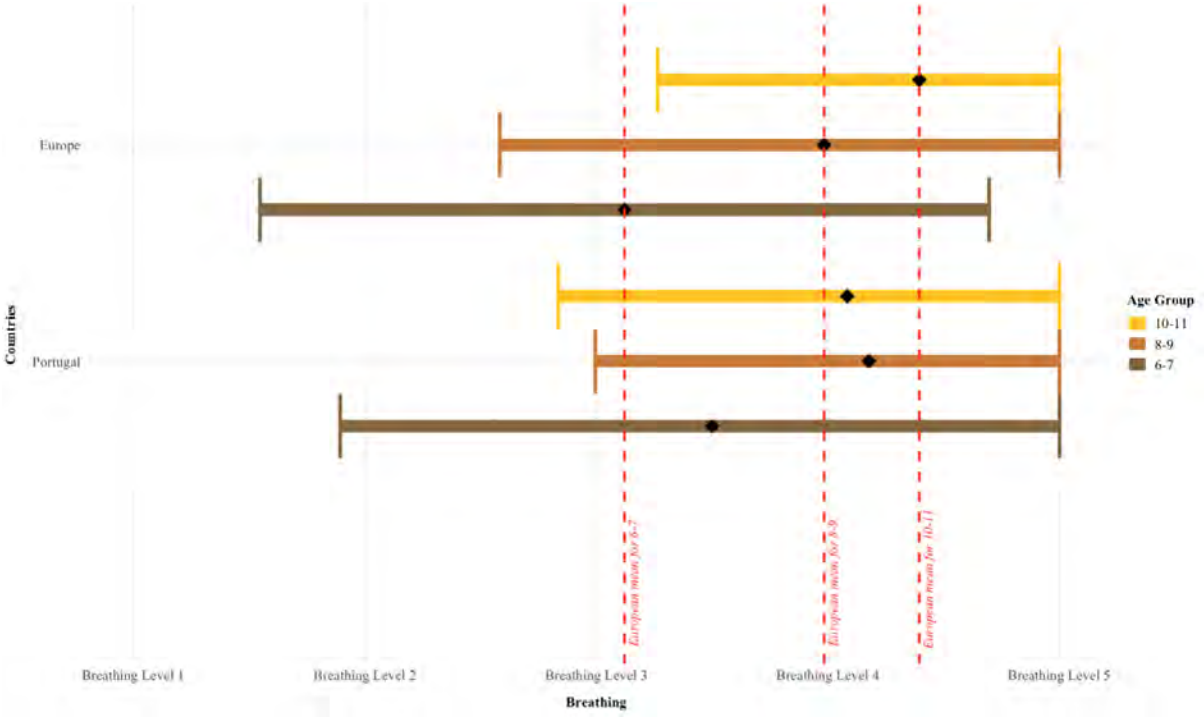


Figure 890. Distribution of the Breathing according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1526. Comparative Analysis of the Breathing in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	44	560	0.13	0.06 [a]	0.12 [1]
	8-9 yo	113	860	0.37	0.02 [a]	0.08 [1]
	10-11 yo	24	717	0.07	0.05 [a]	0.08 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1527. Comparative Analysis of the Breathing in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	44	113		0.02 *	0.17 [a]	0.5 [1]
	8-9 yo *vs* 10-11 yo		113	24	0.66	0.03 [a]	0.06 [1]
	6-7 yo *vs* 10-11 yo	44		24	0.19	0.15 [a]	0.21 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

f. Treading water

Overview

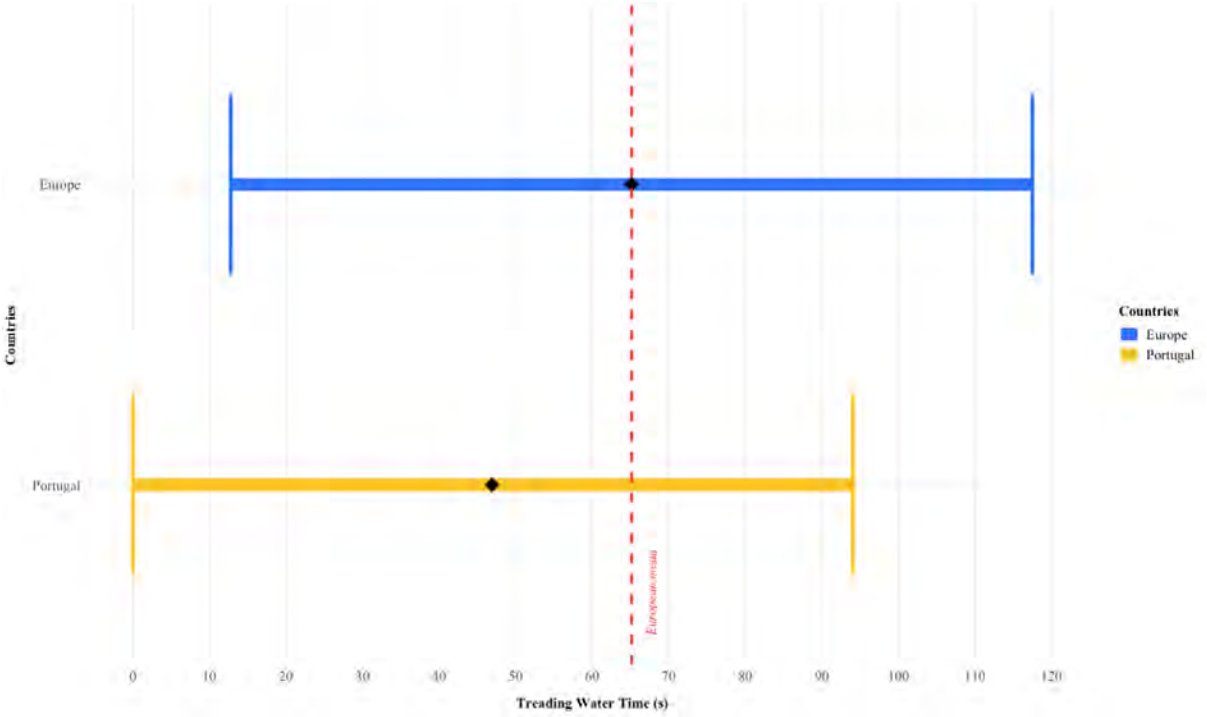


Figure 891. Distribution of the Treading Water in Europe and in Portugal (Mean±SD).

Table 1528. Comparative Analysis of the Treading Water in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	223	2,281	2.51^{e-06} ***	0.18 [a]	0.72 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

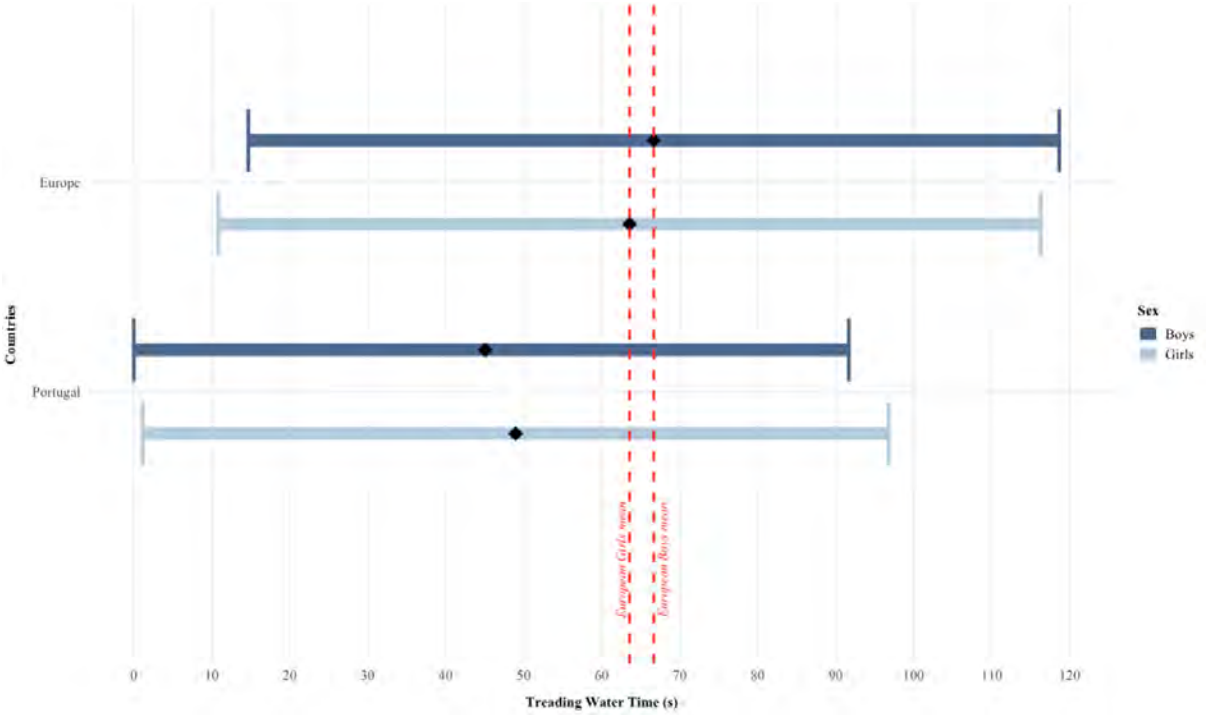


Figure 892. Distribution of the Treading Water according to the Sex in Europe and in Portugal (Mean±SD).

Table 1529. Comparative Analysis of the Treading Water in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	Boys	117	1,148	4.48^{e-05} ***	0.11 [a]	0.61 [2]
	Girls	106	1,133	0.01 *	0.07 [a]	0.28 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1530. Comparative Analysis of the Treading Water in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	Sex	n (Boys)	n (Girls)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	Boys *vs* Girls	117	106	0.62	0.03 [a]	0.08 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

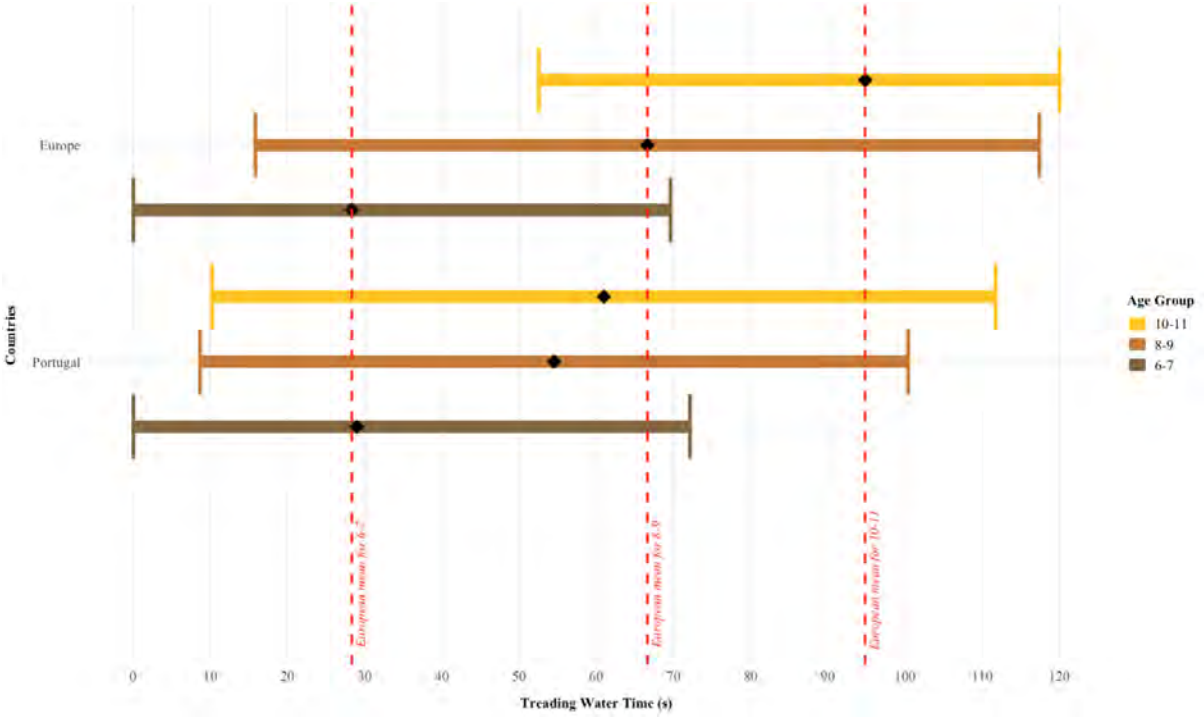


Figure 893. Distribution of the Treading Water according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1531. Comparative Analysis of the Treading Water in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	73	632	0.84	0.007 [a]	0.05 [1]
	8-9 yo	124	911	0.04 *	0.06 [a]	0.25 [1]
	10-11 yo	26	738	1.08^{e-05} ***	0.13 [a]	0.26 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1532. Comparative Analysis of the Treading Water in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	73	124		7.5^{e-07} ***	0.35 [b]	1 [4]
	8-9 yo *vs* 10-11 yo		124	26	0.77	0.02 [a]	0.05 [1]
	6-7 yo *vs* 10-11 yo	73		26	0.001 **	0.32 [b]	0.82 [3]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

g. Floating

Overview

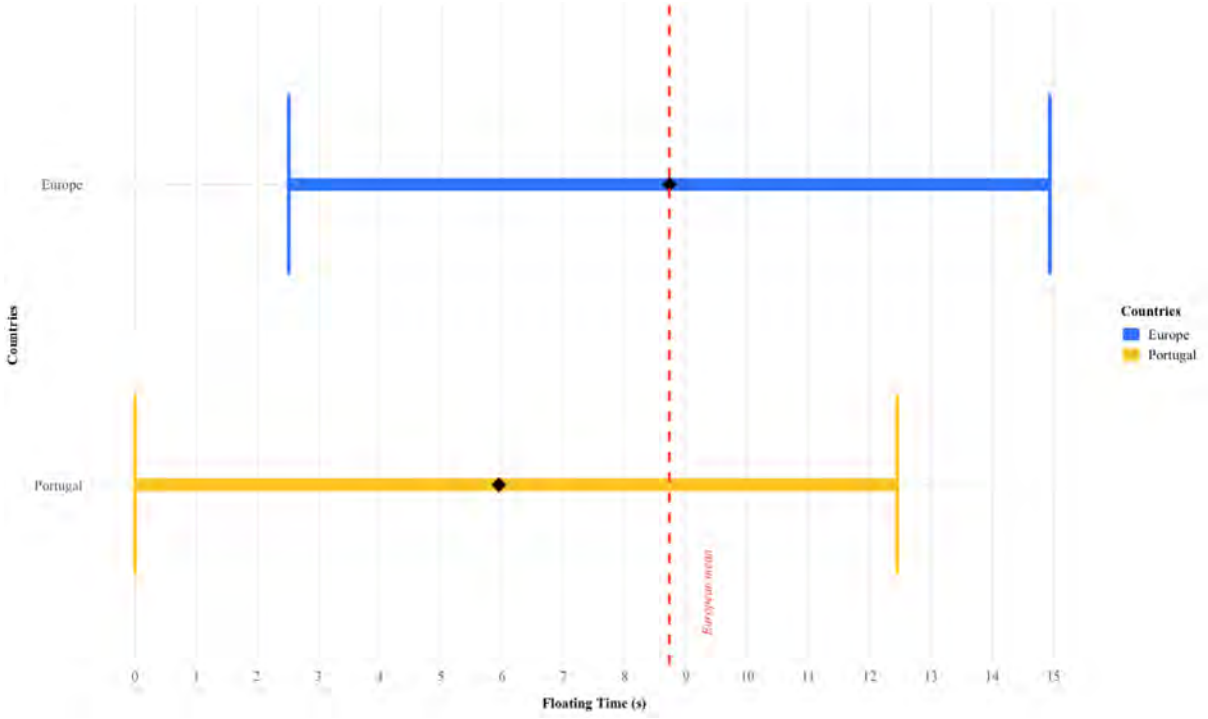


Figure 894. Distribution of the Floating in Europe and in Portugal (Mean±SD).

Table 1533. Comparative Analysis of the Floating in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	228	2,254	8.38^{e-10} ***	0.24 [b]	0.93 [4]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

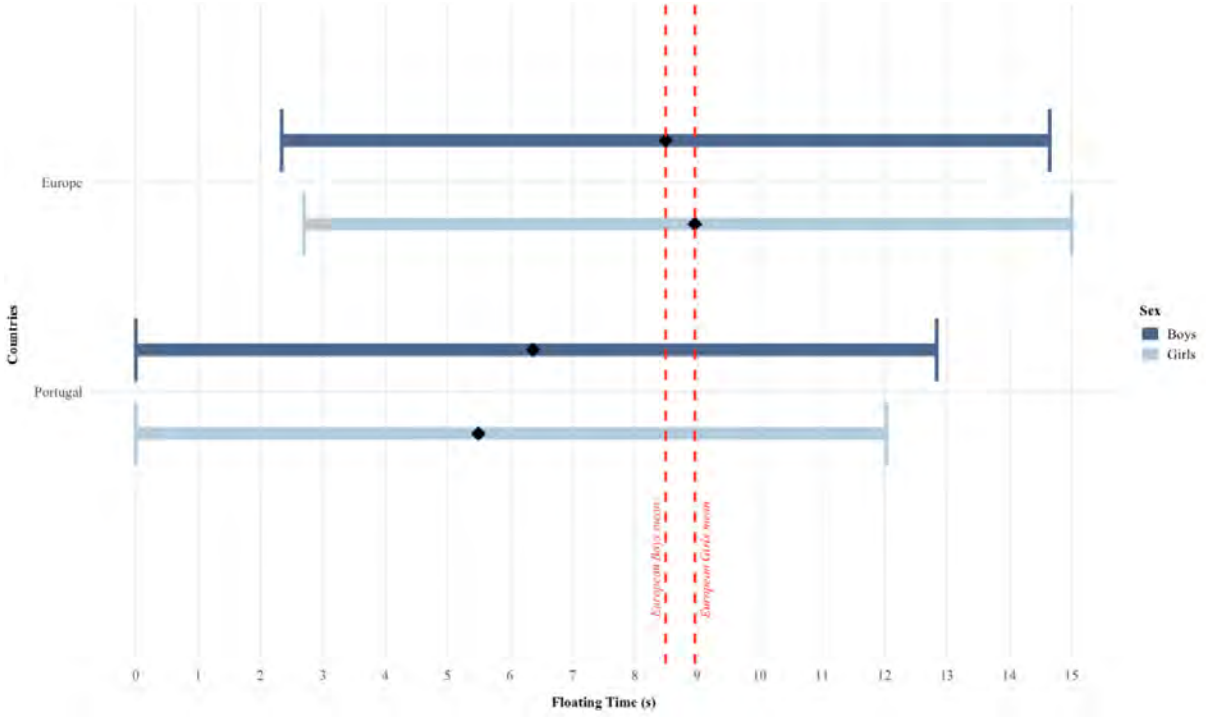


Figure 895. Distribution of the Floating according to the Sex in Europe and in Portugal (Mean±SD).

Table 1534. Comparative Analysis of the Floating in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	Boys	118	1,133	8.12^{e-04} ***	0.09 [a]	0.48 [1]
	Girls	110	1,121	1.02^{e-07} ***	0.14 [a]	0.84 [3]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1535. Comparative Analysis of the Floating in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal	Boys *vs* Girls	118	110	0.18	0.08 [a]	0.24 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

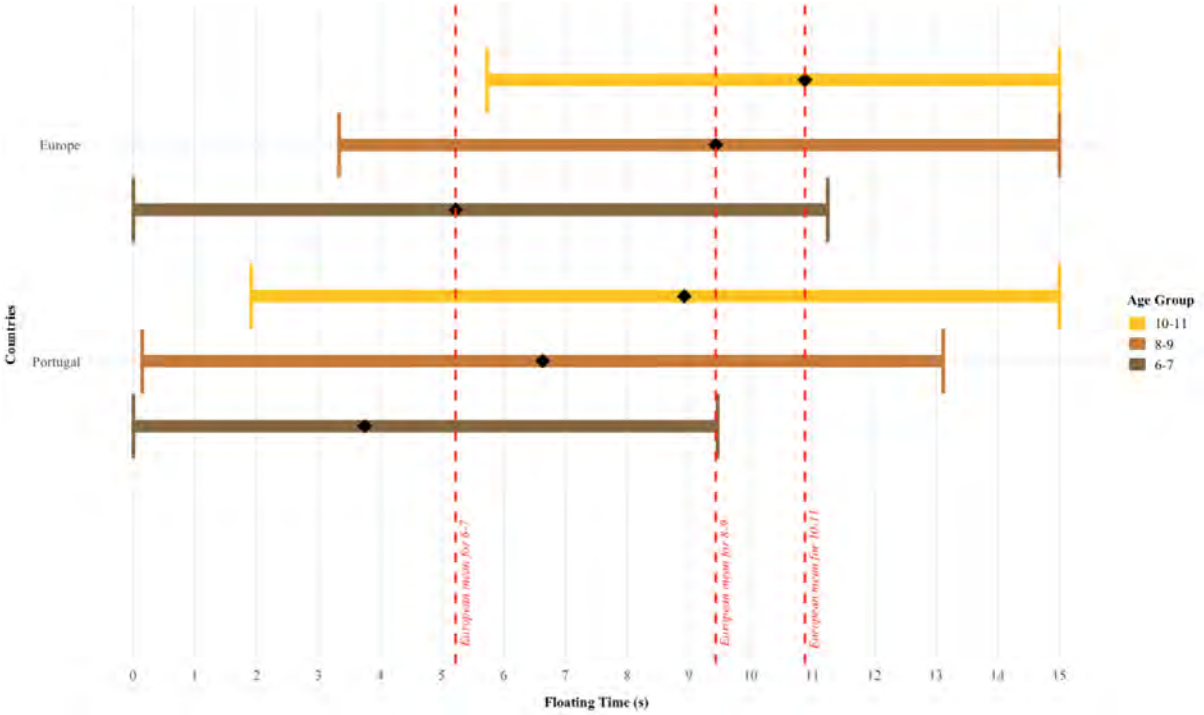


Figure 896. Distribution of the Floating according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1536. Comparative Analysis of the Floating in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	75	626	0.02 *	0.08 [a]	0.28 [1]
	8-9 yo	127	908	5.43^{e-06} ***	0.13 [a]	0.82 [3]
	10-11 yo	26	720	0.33	0.03 [a]	0.06 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1537. Comparative Analysis of the Floating in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	75	127		7.16^{e-04} ***	0.22 [b]	0.88 [3]
	8-9 yo *vs* 10-11 yo		127	26	0.13	0.12 [a]	0.19 [1]
	6-7 yo *vs* 10-11 yo	75		26	9.96^{e-04} ***	0.3 [b]	0.78 [2]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

h. Rotations

Overview

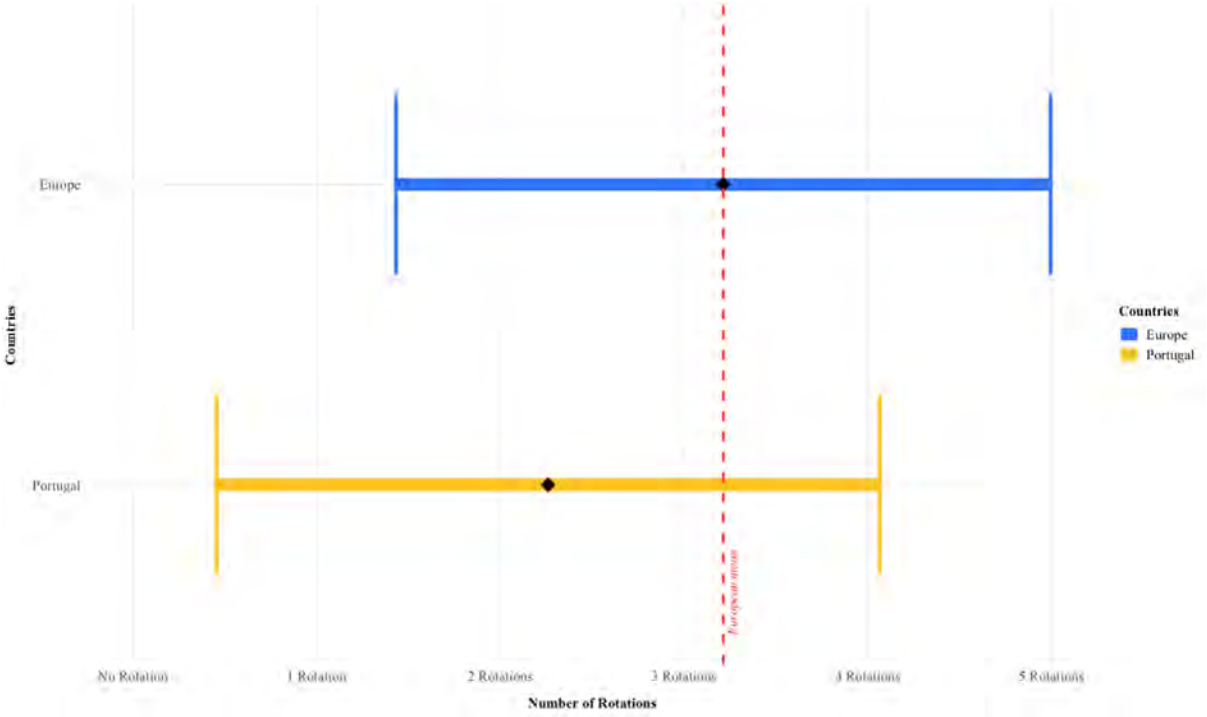


Figure 897. Distribution of the Rotations in Europe and in Portugal (Mean±SD).

Table 1538. Comparative Analysis of the Rotations in Portugal *vs* in Europe with: *p*-value, Effect Size, and Statistical Power.

	n (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	131	1,849	6.06^{e-09} ***	0.26 [b]	0.81 [3]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Sex differences

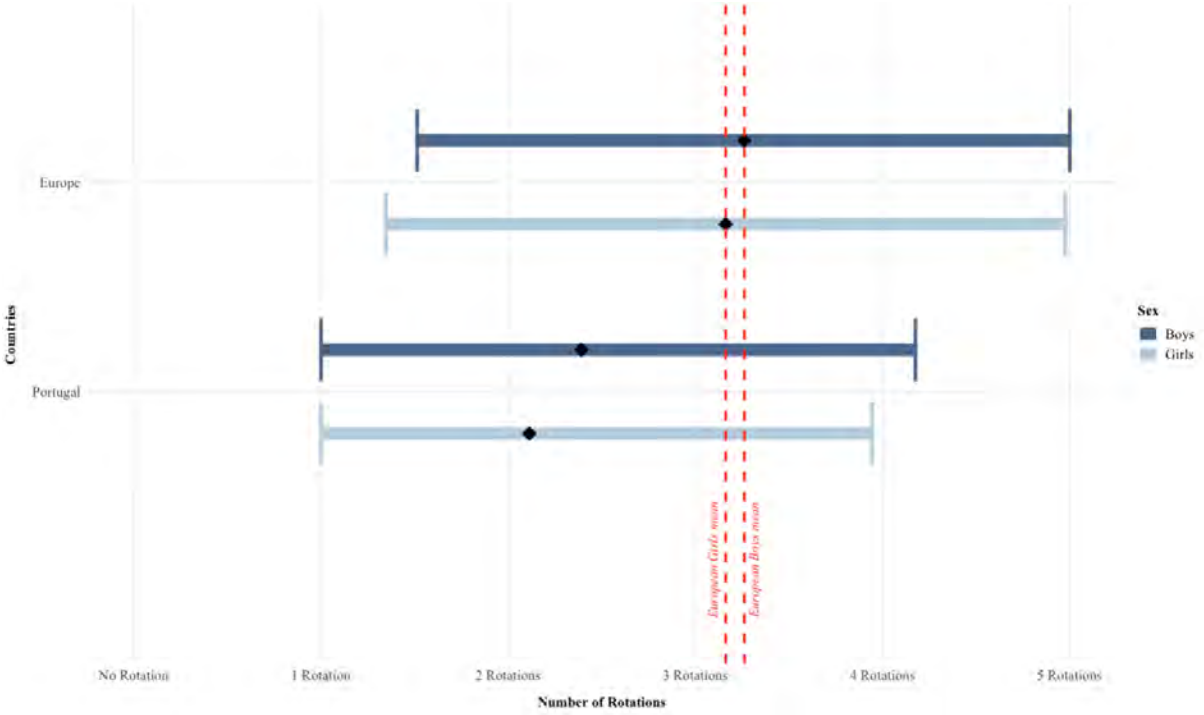


Figure 898. Distribution of the Rotations according to the Sex in Europe and in Portugal (Mean±SD).

Table 1539. Comparative Analysis of the Rotations in Portugal *vs* in Europe according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Portugal)	**n** (Europe)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal *vs* Europe	Boys	69	941	7.91^{e-05} ***	0.12 [a]	0.5 [1]
	Girls	62	908	1.61^{e-05} ***	0.13 [a]	0.54 [2]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1540. Comparative Analysis of the Rotations in Portugal according to the Sex with: *p*-value, Effect Size, and Statistical Power.

Country	**Sex**	**n** (Boys)	**n** (Girls)	***p*-value**	**Cohen's d** (effect-size)	**p** (power)
Portugal	Boys *vs* Girls	69	62	0.36	0.08 [a]	0.14 [1]

Notes. *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Age differences

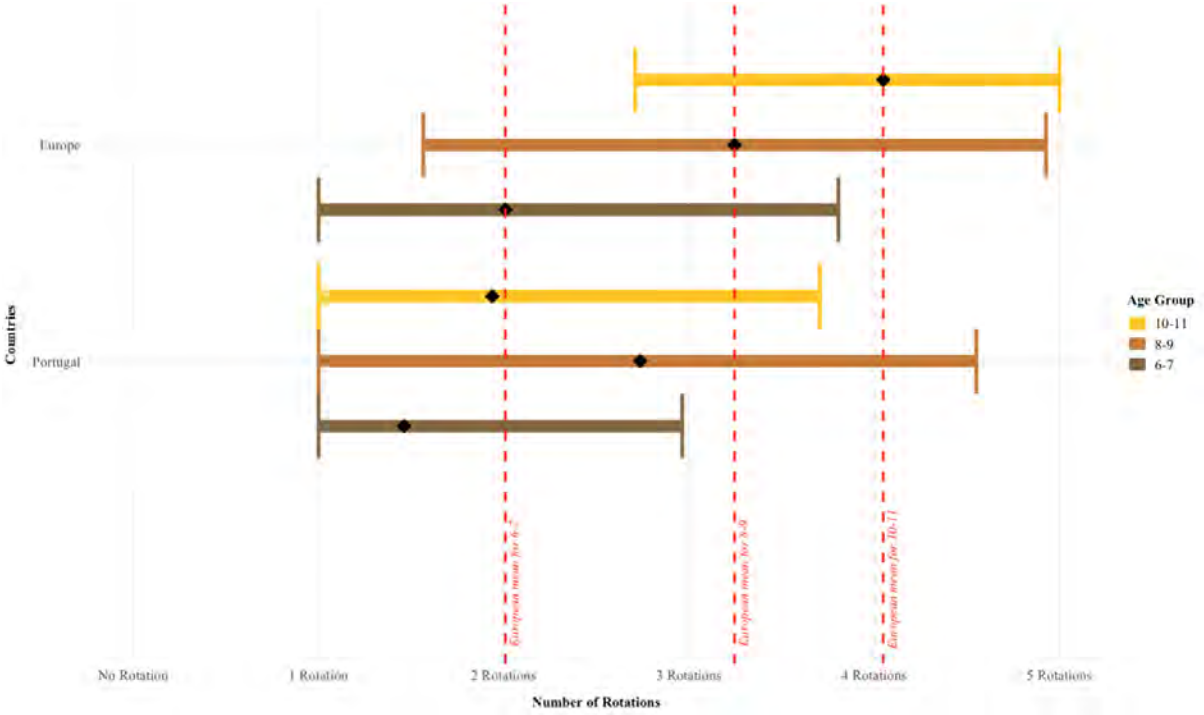


Figure 899. Distribution of the Rotations according to the Age Group in Europe and in Portugal (Mean±SD).

Table 1541. Comparative Analysis of the Rotations in Portugal *vs* in Europe according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (Portugal)	n (Europe)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal *vs* Europe	6-7 yo	39	462	0.08	0.08 [a]	0.15 [1]
	8-9 yo	76	752	0.02 *	0.08 [a]	0.26 [1]
	10-11 yo	16	635	8.3^{e-07} ***	0.18 [a]	0.29 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

Table 1542. Comparative Analysis of the Rotations in Portugal according to the Age Group with: *p*-value, Effect Size, and Statistical Power.

Country	Age Group	n (6-7 yo)	n (8-9 yo)	n (10-11 yo)	*p*-value	Cohen's d (effect-size)	p (power)
Portugal	6-7 yo *vs* 8-9 yo	39	76		2.92^{e-04} ***	0.33 [b]	0.94 [4]
	8-9 yo *vs* 10-11 yo		76	16	0.1	0.17 [a]	0.23 [1]
	6-7 yo *vs* 10-11 yo	39		16	0.52	0.12 [a]	0.13 [1]

Notes. yo: year-old; *: *p*-value<0.05; **: *p*-value<0.01; ***: *p*-value<0.001; [a]: negligible effect (d<0.2); [b]: small effect size (0.2<d<0.49); [c]: medium effect size (0.5<d<0.79); [d]: large effect size (d>0.8); [1]: low power (p<0.5); [2]: moderate power (0.5<p<0.8) ; [3]: adequate power (0.8<p<0.9); [4]: very high power (p>0.9).

E. National Strengths and Weaknesses

a. General overview

Tests	Strengths	Weaknesses
Parental questionnaire	☑ Number of lessons taken out-of-school	✗ Number of lessons taken at school ✗ Does the parents 'Can Swim'?
Child questionnaire	☑ Intrinsic motivation ☑ Identified motivation ☑ Perceived breathing ☑ Perceived submersion ☑ Perceived floating ☑ Enjoyment during swimming lessons out-of-school with friends ☑ Enjoyment while playing freely in the swimming pool with family ☑ Opportunities to do (more) swimming races ☑ Opportunities to do (more) Water Polo ☑ Opportunities to do (more) artistic swimming ☑ Opportunities to do (more) activity 3 ☑ Opportunities to do (more) activity 4 ☑ Low risk in open water	✗ Perceived entry in the water ✗ Perceived exit from the water ✗ Perceived rotations ✗ Low risk in the swimming pool
Isolated tasks	*NA*	✗ Entry ✗ Exit ✗ Propulsion on the belly ✗ Propulsion on the back ✗ Submersion ✗ Treading water ✗ Floating ✗ Rotations

b. Analyse by sex in Portugal *vs* Europe

Tests	Strengths	Weaknesses
Parental questionnaire	✅ Number of lessons taken out-of-school (in Boys & Girls)	❌ Number of lessons taken at school (in Boys & Girls)
Child questionnaire	✅ Intrinsic motivation (in Boys & Girls) ✅ Identified motivation (in Boys & Girls) ✅ Perceived breathing (in Boys & Girls) ✅ Perceived submersion (in Boys & Girls) ✅ Perceived floating (in Girls) ✅ Enjoyment while playing freely in the swimming pool with family (in Girls) ✅ Opportunities to do (more) swimming races (in Boys & Girls) ✅ Opportunities to do (more) Water Polo (in Boys) ✅ Opportunities to do (more) artistic swimming (in Boys & Girls) ✅ Opportunities to do (more) activity 3 (in Boys & Girls) ✅ Opportunities to do (more) activity 4 (in Girls) ✅ Low risk in open water (in Boys)	❌ Perceived entry in the water (in Boys & Girls) ❌ Perceived rotations (in Boys & Girls) ❌ Low risk in the swimming pool (in Girls)
Isolated tasks	*NA*	❌ Entry (in Boys & Girls) ❌ Exit (in Boys & Girls) ❌ Propulsion on the belly (in Boys & Girls) ❌ Propulsion on the back (in Boys & Girls) ❌ Submersion (in Boys & Girls) ❌ Treading water (in Boys & Girls) ❌ Floating (in Boys & Girls) ❌ Rotations (in Boys & Girls)

c. Analyse by sex in Portugal

Tests	Boys > Girls	Boys < Girls
Parental questionnaire	*NA*	*NA*
Child questionnaire	- Perceived entry in the water - Opportunities to do (more) Water Polo - Opportunities to do (more) activity 2 - Low risk in open water (boys)	- Perceived entry in the water - Opportunities to do (more) artistic swimming - High risk in open water
Isolated tasks	- Entry - Exit	*NA*

d. Analyse by age group in Portugal *vs* Europe

Tests	Strengths	Weaknesses
Parental questionnaire	✅ Number of lessons taken out-of-school (in all age groups)	❌ Number of lessons taken at school (in all age groups)
Child questionnaire	✅ Intrinsic motivation (in 6-7 & 8-9) ✅ Identified motivation (in 6-7 & 8-9) ✅ Perceived propulsion on the back (in 6-7) ✅ Perceived submersion (in all age groups) ✅ Perceived floating (in 8-9) ✅ Enjoyment while playing freely in the swimming pool (in 10-11) ✅ Enjoyment while playing freely in the swimming pool with family (in 8-9) ✅ Opportunities to do (more) swimming races (in 8-9) ✅ Opportunities to do (more) Water Polo (in 6-7 & 8-9) ✅ Opportunities to do (more) diving (in 6-7) ✅ Opportunities to do (more) activity 2 (in 6-7) ✅ Opportunities to do (more) activity 3 (in 6-7 & 8-9) ✅ Opportunities to do (more) activity 4 (in 6-7) ✅ Low risk in open water (in 6-7 & 8-9)	❌ Perceived entry in the water (in 8-9 & 10-11) ❌ Perceived rotations (in 10-11) ❌ Low risk in the swimming pool (in 8-9) ❌ High risk in the swimming pool (in 6-7)
Isolated tasks	*NA*	❌ Entry (in 8-9 & 10-11) ❌ Exit (in all age groups) ❌ Propulsion on the belly (in 8-9 & 10-11) ❌ Propulsion on the back (in 8-9 & 10-11) ❌ Submersion (in 10-11) ❌ Treading water (in 8-9 & 10-11) ❌ Floating (in 6-7 & 8-9) ❌ Rotations (in 8-9 & 10-11)

e. Analyse of age groups in Portugal

Tests	Positive evolution	Negative evolution	Neutral evolution	Chaotic evolution
Parental questionnaire	➡↗ Number of swimming lessons taken at school ↗ Number of swimming lessons out-of-school	*NA*	*NA*	*NA*
Child questionnaire	↗ Confidence in deep water ↗➡ Perceived rotations ↗➡ Perceived treading water ↗➡ Perceived floating ➡↗ Enjoyment while playing freely in the swimming pool ↗➡ High risk in the swimming pool		➡ Intrinsic motivation ➡ Identified motivation ➡ Perceived entry in the water ➡ Perceived exit from the water ➡ Perceived breathing ➡ Perceived propulsion on the back ➡ Perceived propulsion on the belly ➡ Perceived submersion ➡ Enjoyment during swimming lessons at school ➡ Enjoyment during swimming lessons at school with friends ➡ Enjoyment during swimming lessons out-of-school ➡ Enjoyment during swimming lessons out-of-school with friends ➡ Enjoyment while playing freely in the swimming pool with friends ➡ Enjoyment while playing freely in the swimming pool with family ➡ Opportunities to do (more) swimming races ➡ Opportunities to do (more) Water Polo ➡ Opportunities to do (more) Water Polo ➡ Opportunities to do (more) diving ➡ Opportunities to do (more) activity 1 ➡ Opportunities to do (more) activity 2 ➡ Opportunities to do (more) activity 3 ➡ Opportunities to do (more) activity 4 ➡ Low risk in the swimming pool ➡ Low risk in open water	- High risk in open water
Isolated tasks	↗➡ Entry ↗↗ Exit ↗➡ Propulsion on the belly ↗➡ Propulsion on the back ↗➡ Submersion ↗➡ Breathing ↗➡ Treading water ↗➡ Floating ↗➡ Rotations	*NA*	*NA*	*NA*

F. Recommendations

a. Curriculum management

Swimming instruction is not compulsory at either the national or regional level. The only governmental guideline supporting the development of aquatic competence is the inclusion, within the curriculum of the 1st cycle of basic education (primary school), of a swimming module integrated into an area aimed at developing physical and motor expression and education. However, this module is optional, and its provision depends on each school's ability to find logistical and financial solutions to make lessons feasible.

In recent years, the number of schools receiving support from municipalities and parish councils has been increasing, although the provision generally remains limited to just one of the four years of the 1st cycle—most often the 3rd or 4th year. Nevertheless, there is no real democratisation of swimming instruction at the national level.

Thus, **Portugal is in urgent need of governmental action to regulate and ensure the systematic provision of swimming lessons for school-aged children**. Under the current circumstances, learning to swim depends largely on the willingness and, above all, the financial capacity of families, since in most cases it is necessary to turn to private institutions for children to have access to swimming lessons.

b. Timetable

The age at which children begin learning to swim is quite varied, as it depends mainly on parental decisions. In the still relatively few, but growing number of, primary schools (1st cycle of basic education) that manage to provide swimming lessons, the tendency is for this offer to be limited to the 3rd or 4th year (children aged 8 to 9).

The total number of lessons delivered also varies considerably, ranging from a short block of around 10 to 12 sessions to a distribution throughout the school year (though rarely exceeding 20 sessions). Each session lasts between 30 and 45 minutes, with the duration being strongly influenced by logistical factors related to the children's transport (school–pool–school).

As such, it is emphasised that **Portugal urgently needs the organisation of swimming provision at the school level**, with the appropriate legal framework and government support.

c. Localisation and equipment

Swimming lessons in Portugal mostly take place in shallow, still-water pools. The use of clothing during the learning process largely depends on the teachers' awareness of its importance and is very rarely included in the programs offered by swimming schools. The use of swimming goggles in the early stages of learning is common, often due to pressure from the parents themselves.

Despite the country's extensive natural water environments, there is no tradition of teaching in open water. This situation, combined with the tendency to teach in shallow water, wearing only swimsuits and goggles, raises doubts about children's ability to transfer the aquatic skills acquired in a pool to natural environments.

It is therefore evident that there is an **urgent need to raise awareness among institutions and teachers providing swimming instruction about the importance of moving beyond indoor pools, using deeper spaces for teaching, offering experiences of staying and moving in water while wearing clothes, and restricting the use of swimming goggles** until the child's face is fully adapted to water.

d. Staff

Legally, all swimming instructors must hold a professional qualification recognised by the government to teach swimming, with no recommendation other than **tightening oversight over non-compliant institutions**.

e. Assessment

In Portugal, there are no standardised tests to assess aquatic competence, either at the national or regional level. Each swimming school or instructor develops their own assessment criteria based on what they consider important, and the results are never compared with reference values or population benchmarks. **The creation and use of standardised tools, as well as the development of national result databases, are an urgent need** to reduce the risk level for children in aquatic environments.

f. Contents

The overall data analysis allowed the identification of a set of weaknesses in Portugal related to aquatic skills, namely: Entry, Exit, Propulsion on the belly, Propulsion on the back, Submersion, Treading water, Floating, and Rotations.

The comparison of Portuguese boys' and girls' aquatic skills with those of their European peers revealed that both show lower levels in all the aforementioned skills, with the exception of Propulsion on the belly and Propulsion on the back for girls.

When focusing solely on Portugal, it was observed that girls demonstrate lower competence in Entry and Exit compared to boys.

Considering age, the younger children (6-7 years old) show lower performance in Exit and Floating compared to their European peers. Older children (8-11 years old) exhibit lower levels in almost all skills, except for Submersion (8-9 years old) and Floating (10-11 years old), where performance is comparable to the European average.

In Portugal, aquatic competence shows a positive progression with age, although the youngest group of children (6-7 years old) demonstrated higher competence than expected when compared to the older age groups.

The presented results seem to partly reflect the absence of a structured policy strategy for swimming education in Portugal and, possibly, the need for swimming instructors to adjust the focus of their interventions regarding the different skills that constitute aquatic competence during the teaching process.

CONCLUSION

Analysis of the results in each European country enabled us to draw up national recommendations. Below is a summary of the European recommendations common to all European countries tested.

European recommendations and take-home message

Curriculum management:

- Implement compulsory teaching (at school?);
- Draw national standards to be achieved based on the assessment;
- Raise awareness of the opportunity of practicing diverse aquatic activities (in swimming pools and open water).

Localisation and equipments:

- Improve equitable access to learning for children in the countries;
- Raise funds to enable as many children as possible to access swimming pools;
- Rethink the management of swimming facilities at the local level to increase the space available for younger children.

Staff:

- Offer more standardised training for aquatic instruction professionals;
- Train professionals to increase or maintain children's enjoyment, confidence, and motivation in swimming lessons;
- Promote the use of playful teaching, game-based activities, development of social skills, and social learning.

Assessment:

- Implement a coherent national test;
- Include the psycho-cognitive components essential to safe aquatic practice (perceived skills, risk recognition, risk assessment);
- Share children's skills locally for consistent and harmonious children aquatic development.

Timetable:

- Offer water familiarisation from an earlier age (4-6);
- Increase the number of lessons allocated to offer at least 40 lessons between the ages of 6 and 12;
- Spread the number of lessons throughout the curriculum, with an emphasis on the youngest and most vulnerable ages in terms of drowning accidents.

Content:

- Maintain emphasis on developing basic aquatic motor skills (entering and exiting the water, floating, treading water, rotating, propulsion on the belly and on the back, submersion, and breathing);
- Teach the ability to recognise personal skills;
- Develop the ability to recognise objective risks and assess the danger level of a situation.