

GELYDA

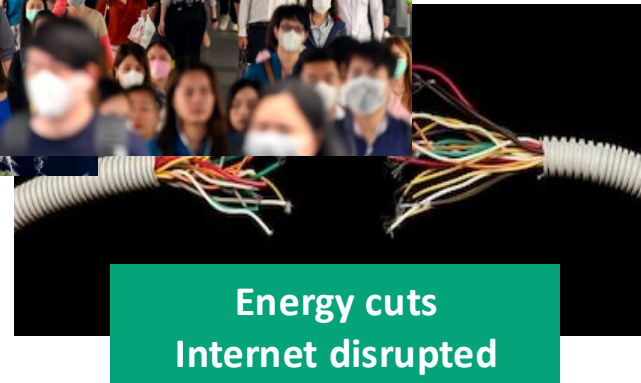
PISA – measuring social and emotional outcomes

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The future will always surprise us

Impact

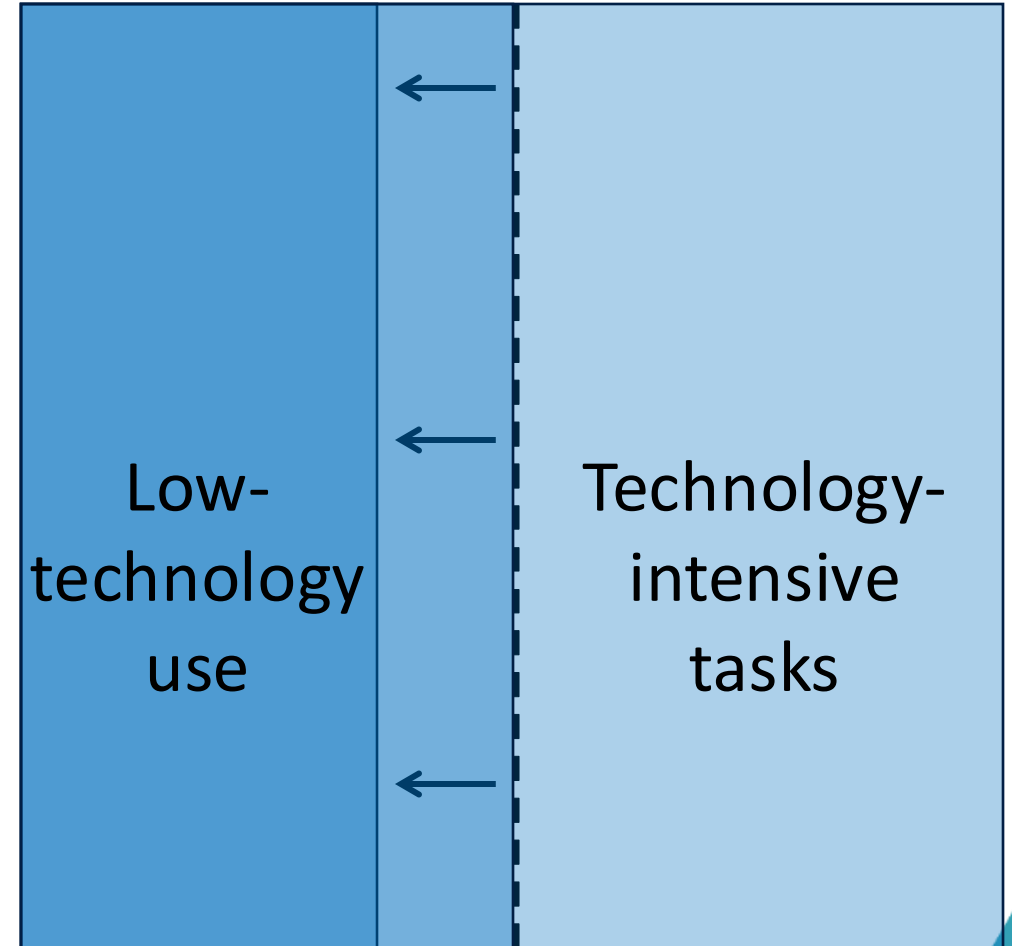
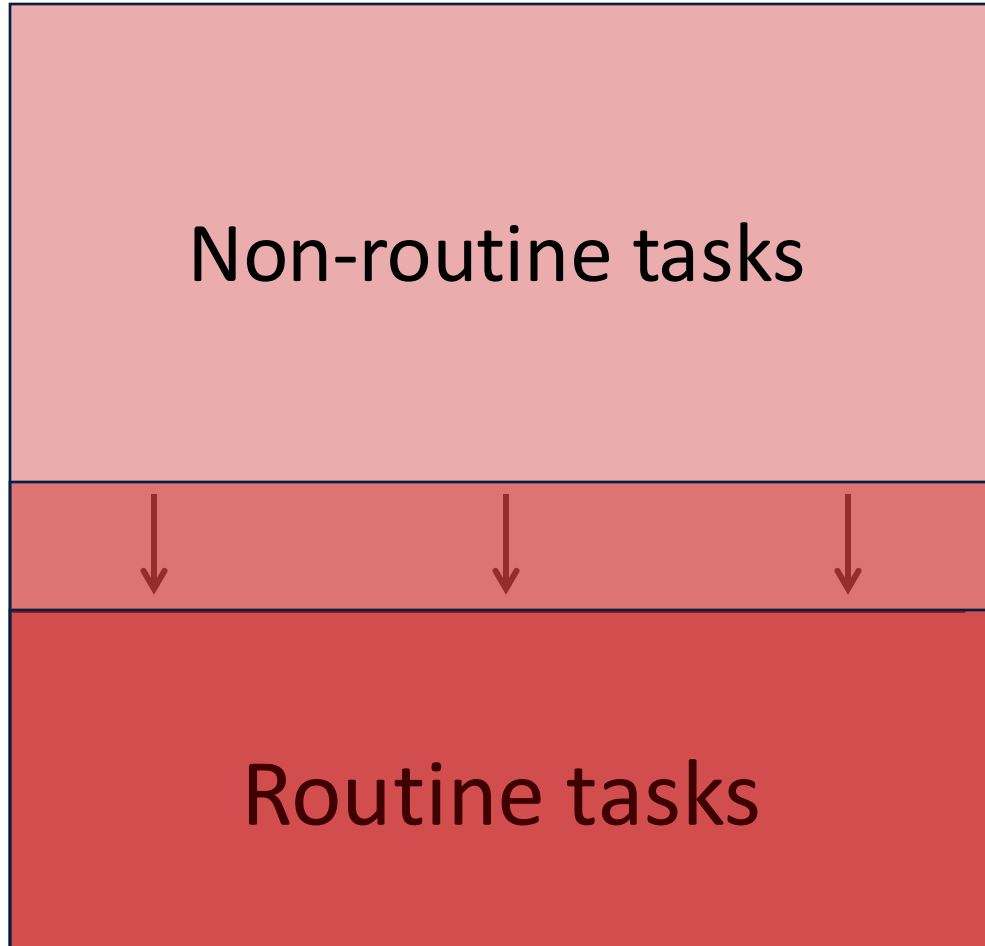


Uncertainty



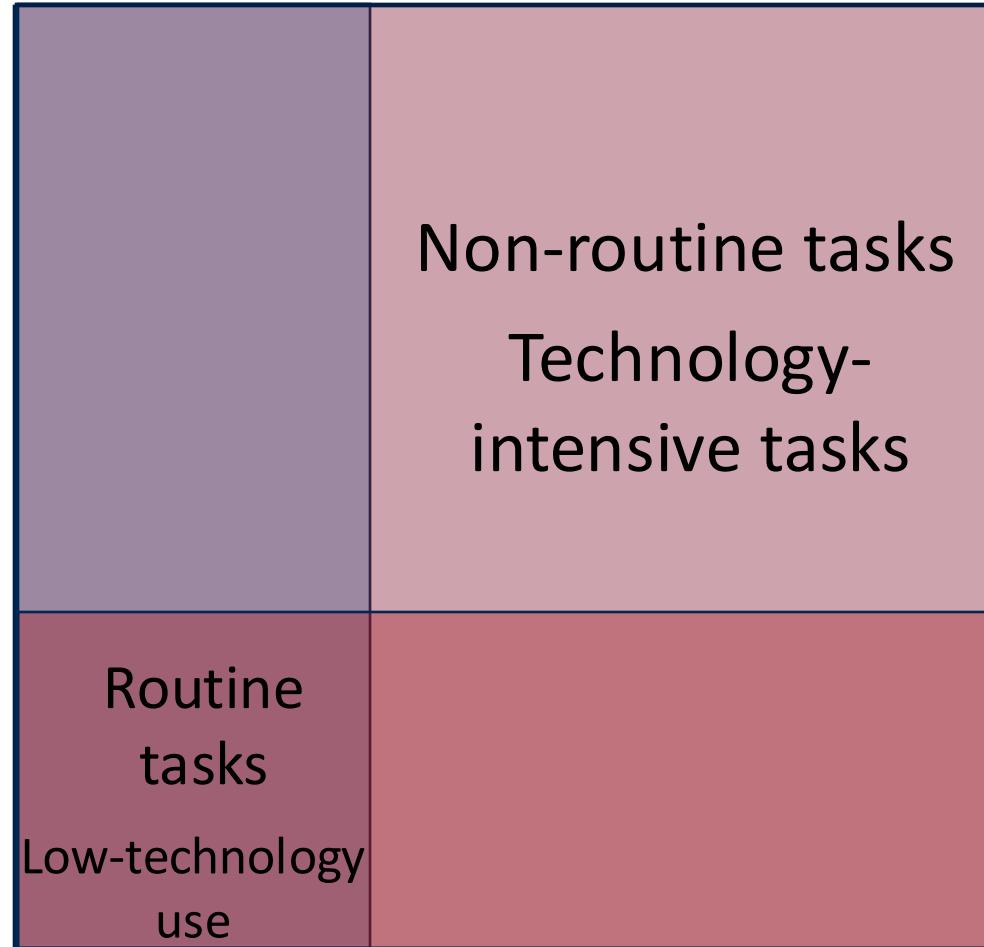
The kinds of things that are easy to teach...

... have now become easy to digitise and automate





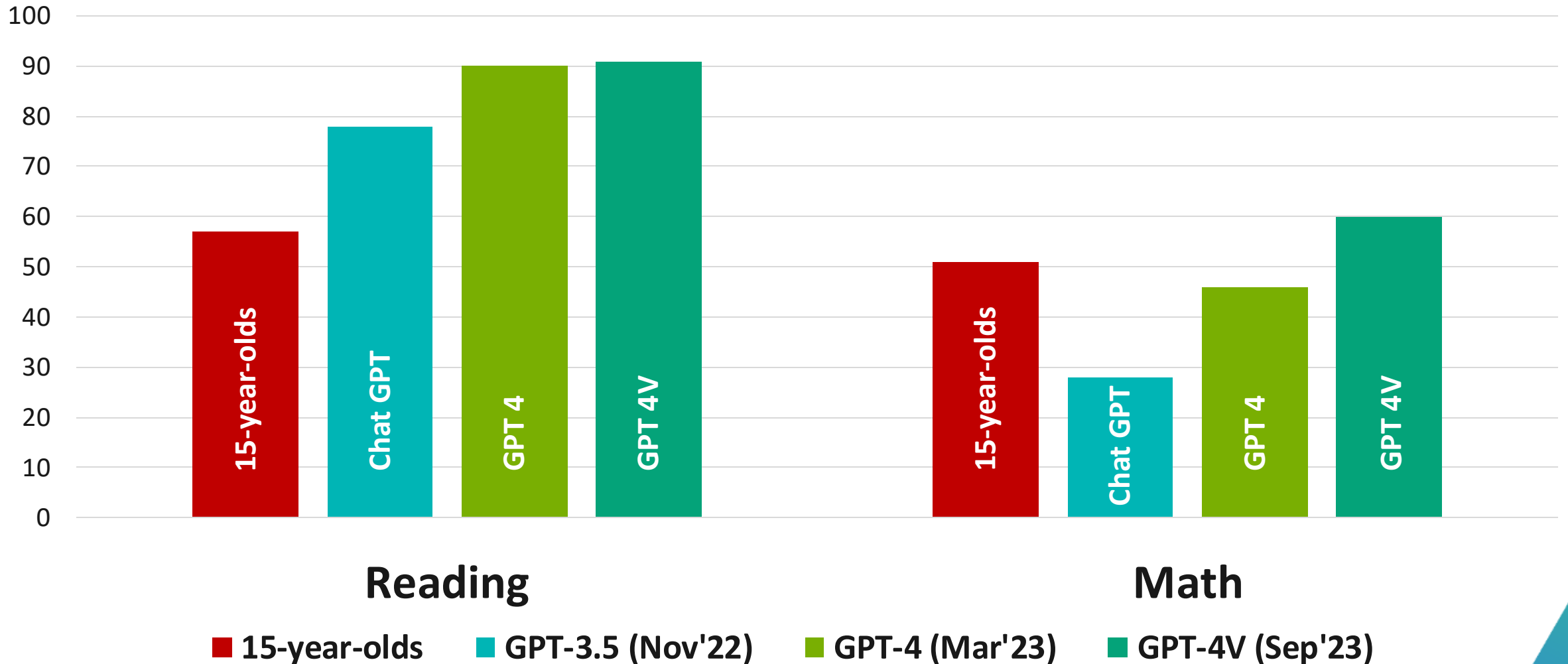
The kinds of things that are easy to teach...
... have now become easy to digitise and automate





Putting AI to the test: chatGPT and student performance on PISA

Share of questions correctly answered by...





PISA 2022 outcomes

Academic performance refers to the knowledge and cognitive skills students have acquired throughout their education and the extent to which they can use what they have learnt to solve real-life problems.

Academic performance

Psychological well-being

Agency and engagement

Resilience

Engagement with school

Quality of relationship & community vitality

School-leisure balance

Material and cultural well-being

Openness to diversity



PISA 2022 outcomes

Psychological wellbeing refers to the extent to which students experience positive emotions, are satisfied with their life and believe their life has meaning and purpose.

Academic performance

Psychological well-being

Agency and engagement

Resilience

Engagement with school

Quality of relationship & community vitality

School-leisure balance

Material and cultural well-being

Openness to diversity



PISA 2022 outcomes

The agency and engagement dimension looks at whether students have the **ability and willingness to positively influence their own lives and the world around them, by setting goals, reflecting on their roles and responsibilities and acting responsibly to improve themselves and bring about positive change.**

Academic performance

Psychological well-being

Agency and engagement

Resilience

Engagement with school

Quality of relationship & community vitality

School-leisure balance

Material and cultural well-being

Openness to diversity



PISA 2022 outcomes

The resilience dimension considers students' beliefs in their ability to withstand stressful and difficult situations, their confidence in themselves and their autonomy as learners

Academic performance

Psychological well-being

Agency and engagement

Resilience

Engagement with school

Quality of relationship & community vitality

School-leisure balance

Material and cultural well-being

Openness to diversity



PISA 2022 outcomes

Engagement with school refers to the extent to which students assign value to their time at school, put effort in their studies so to achieve good results, and help their teachers create a productive learning environment.

Academic performance

Psychological well-being

Agency and engagement

Resilience

Engagement with school

Quality of relationship & community vitality

School-leisure balance

Material and cultural well-being

Openness to diversity



PISA 2022 outcomes

The quality of relationships and community vitality dimension captures both the quantity and the quality of students' social networks. It reflects the extent to which students feel accepted and appreciated by their peers, and whether they perceive support and care from their parents and their teachers.

Academic performance

Psychological well-being

Agency and engagement

Resilience

Engagement with school

Quality of relationship & community vitality

School-leisure balance

Material and cultural well-being

Openness to diversity



PISA 2022 outcomes

Study-life balance means putting enough time into academic work while also taking time to enjoy the other parts of one's life, including social, sporting and cultural opportunities.

Academic performance

Psychological well-being

Agency and engagement

Resilience

Engagement with school

Quality of relationship & community vitality

School-leisure balance

Material and cultural well-being

Openness to diversity



PISA 2022 outcomes

Openness to diversity refers to students' capacity to establish deep and respectful connections with people from different cultural backgrounds, being aware and open to different perspectives and willing to learn other people's language, habits and conventions.

Academic performance

Psychological well-being

Agency and engagement

Resilience

Engagement with school

Quality of relationship & community vitality

School-leisure balance

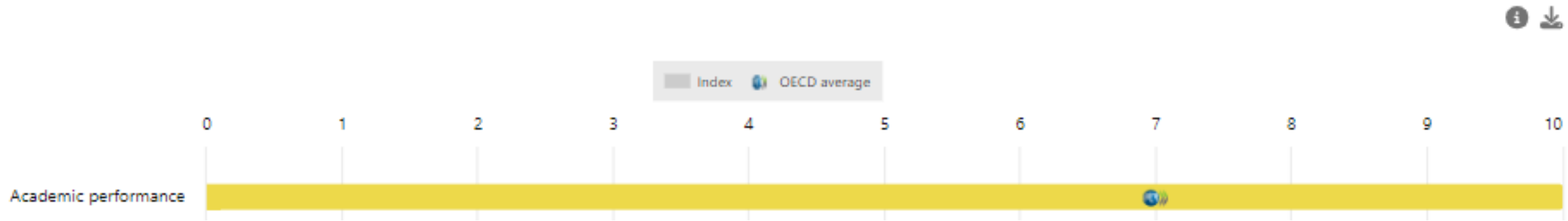
Material and cultural well-being

Openness to diversity



PISA 2022: Singapore

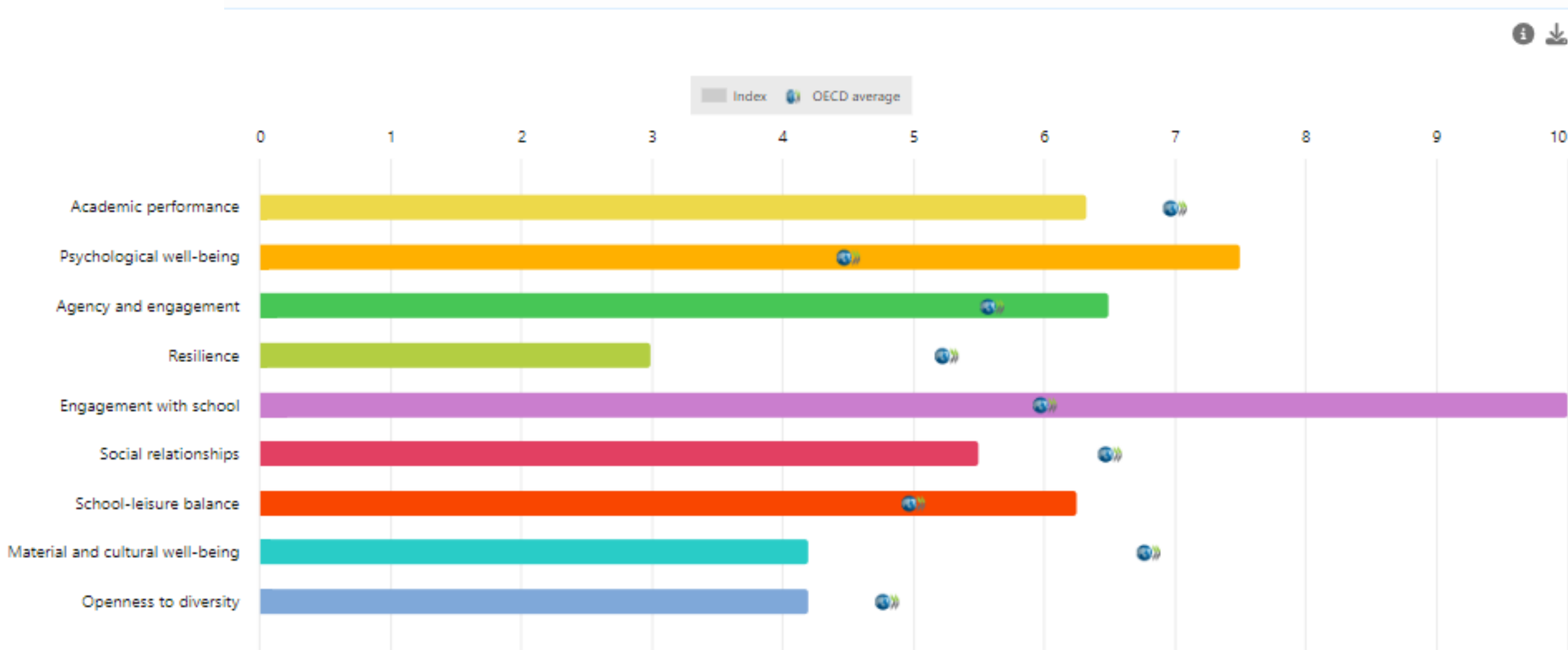
What are Singapore's strengths and areas for improvement





PISA 2022: Viet Nam

What are Viet Nam's strengths and areas for improvement



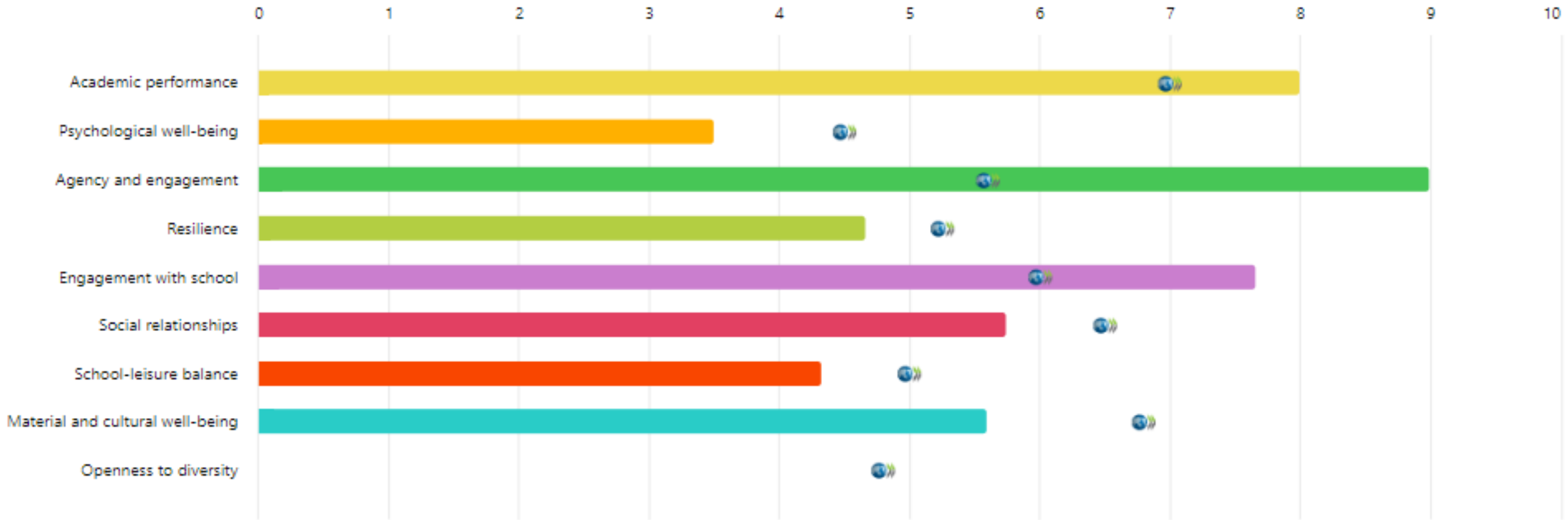


PISA 2022: United States

What are United States's strengths and areas for improvement



Index OECD average

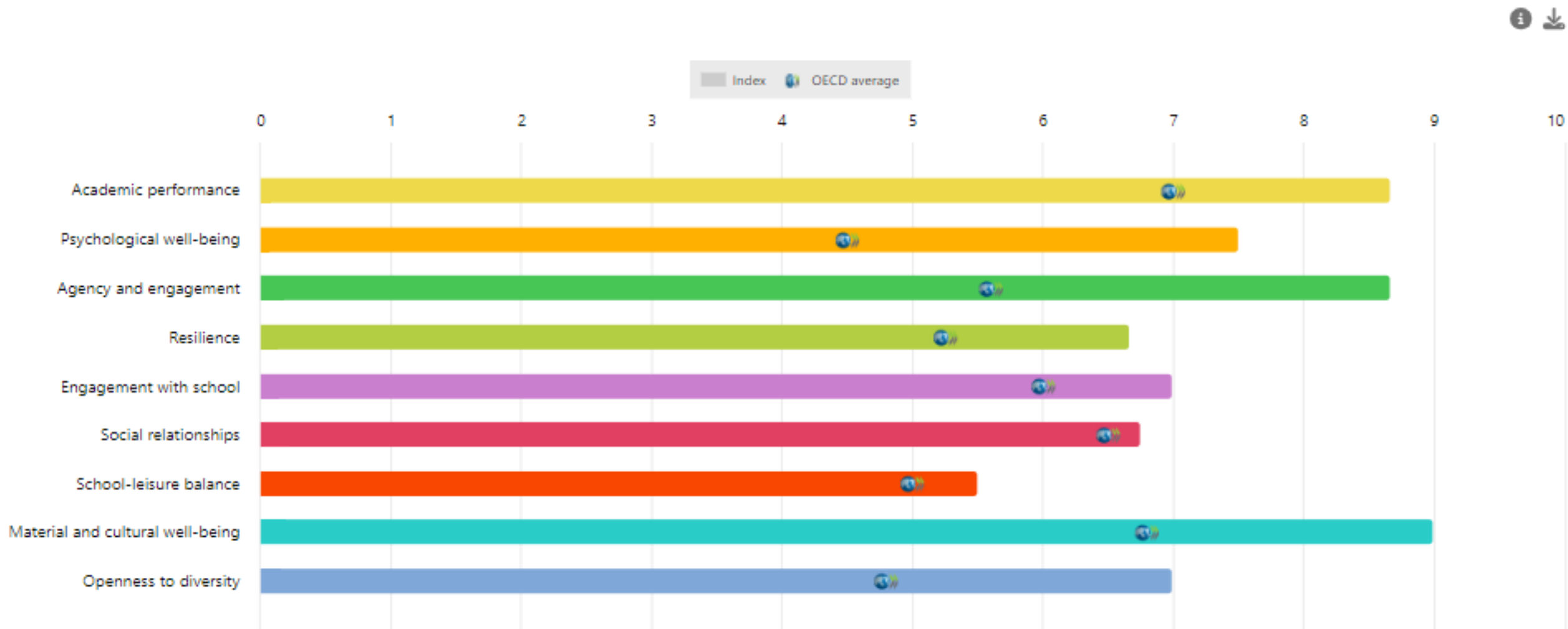


Source: OECD, PISA 2018 Database and PISA 2022 Database.



PISA 2022: Denmark

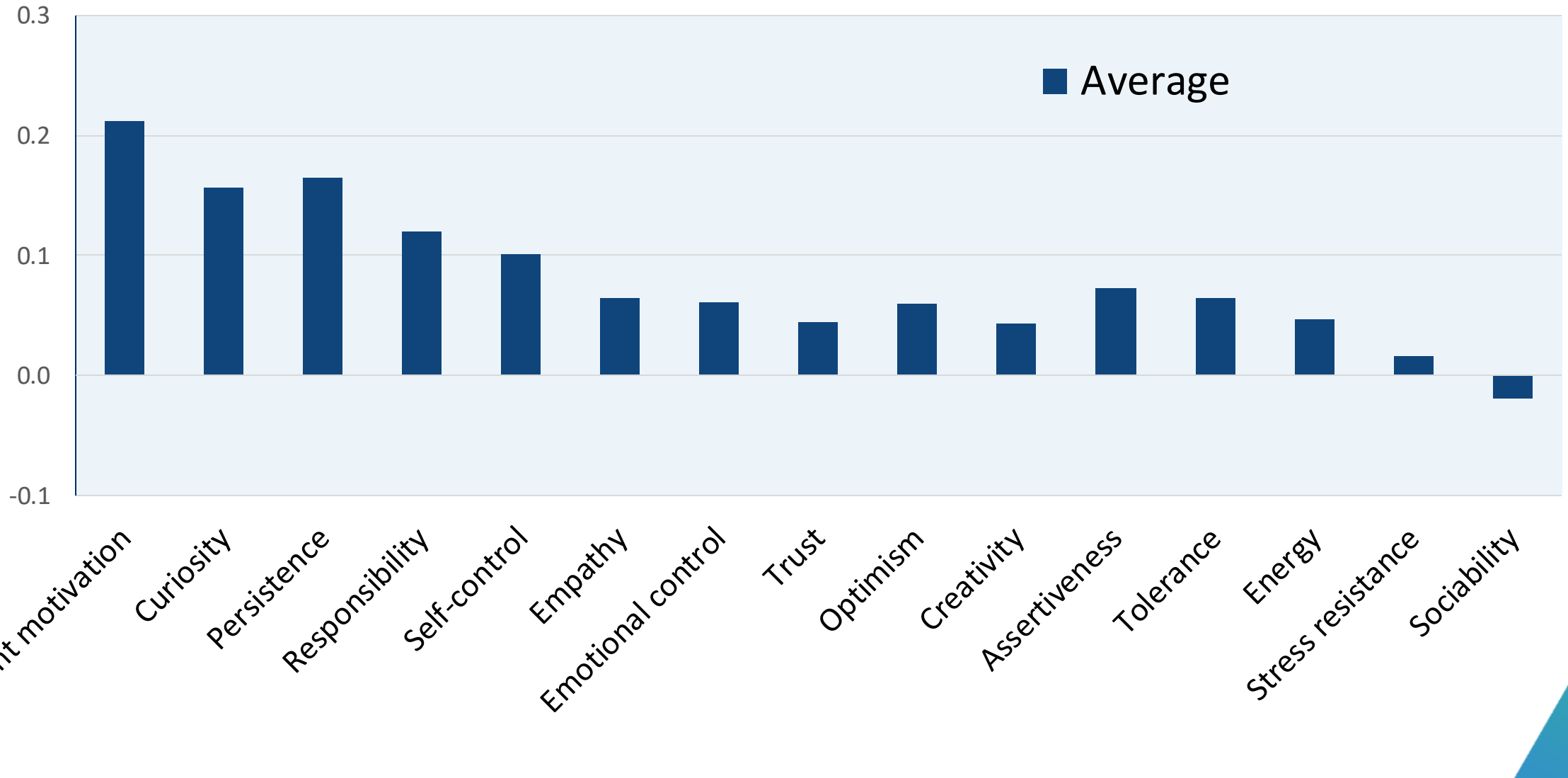
What are Denmark's strengths and areas for improvement





Students with greater social and emotional skills achieve better grades in maths, reading and arts

Standardised regression coefficients of skills on maths grades, 15-year-olds, average across sites and Helsinki (Finland)



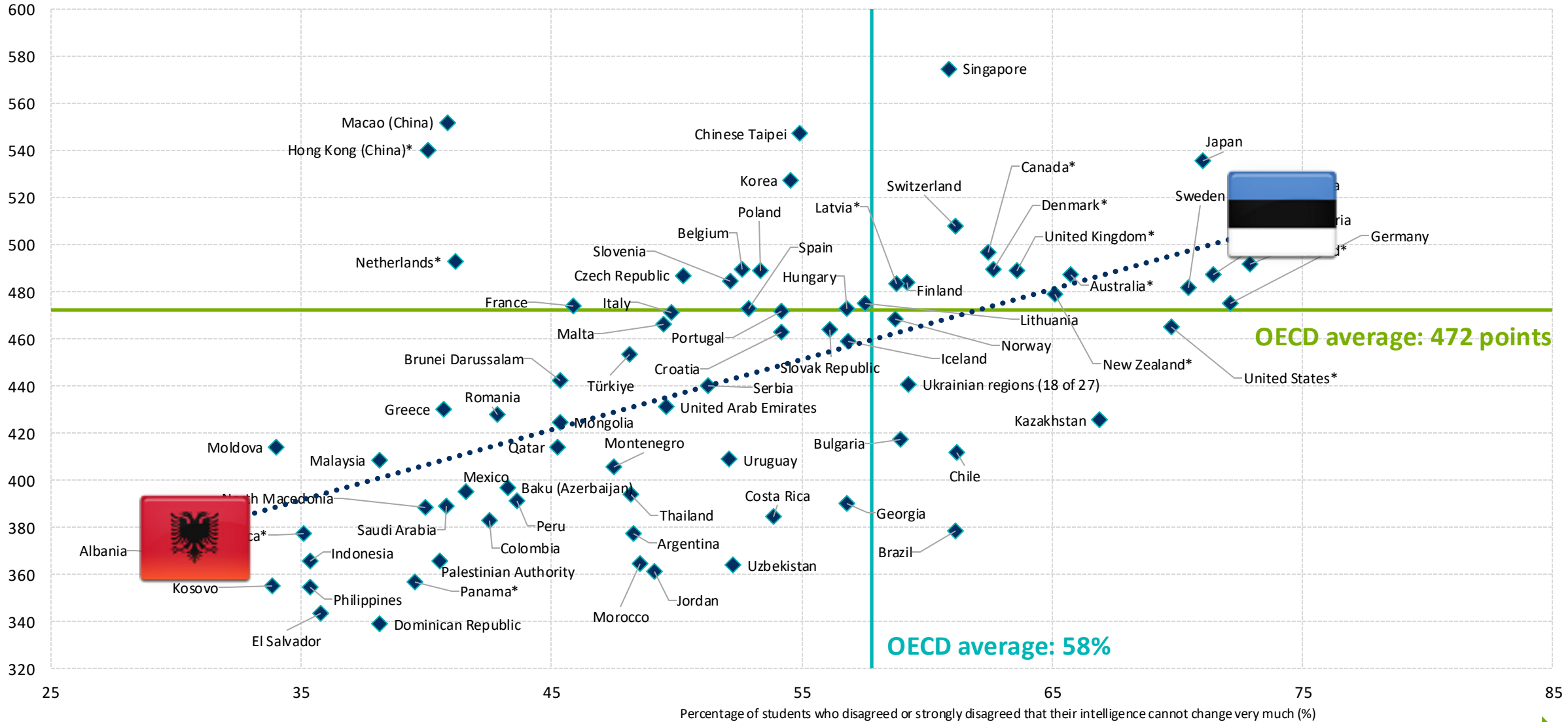


Growth mindset and mathematics performance

Table I.B1.2.1 &
Table I.B1.2.16

Higher score

Mean score in mathematics



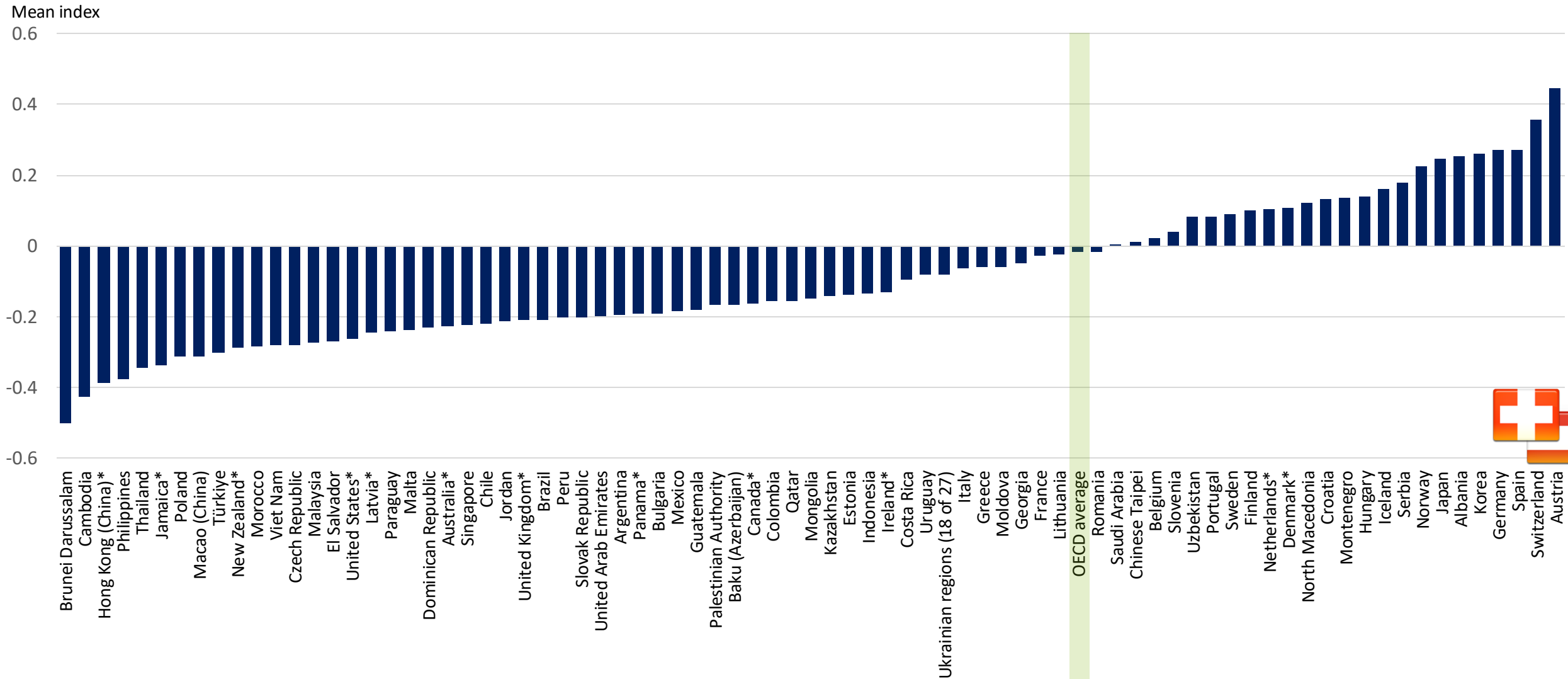
More students holding a growth mindset



Students' sense of belonging at school, across all countries and economies

Table II.B1.1.1

Based on students' reports



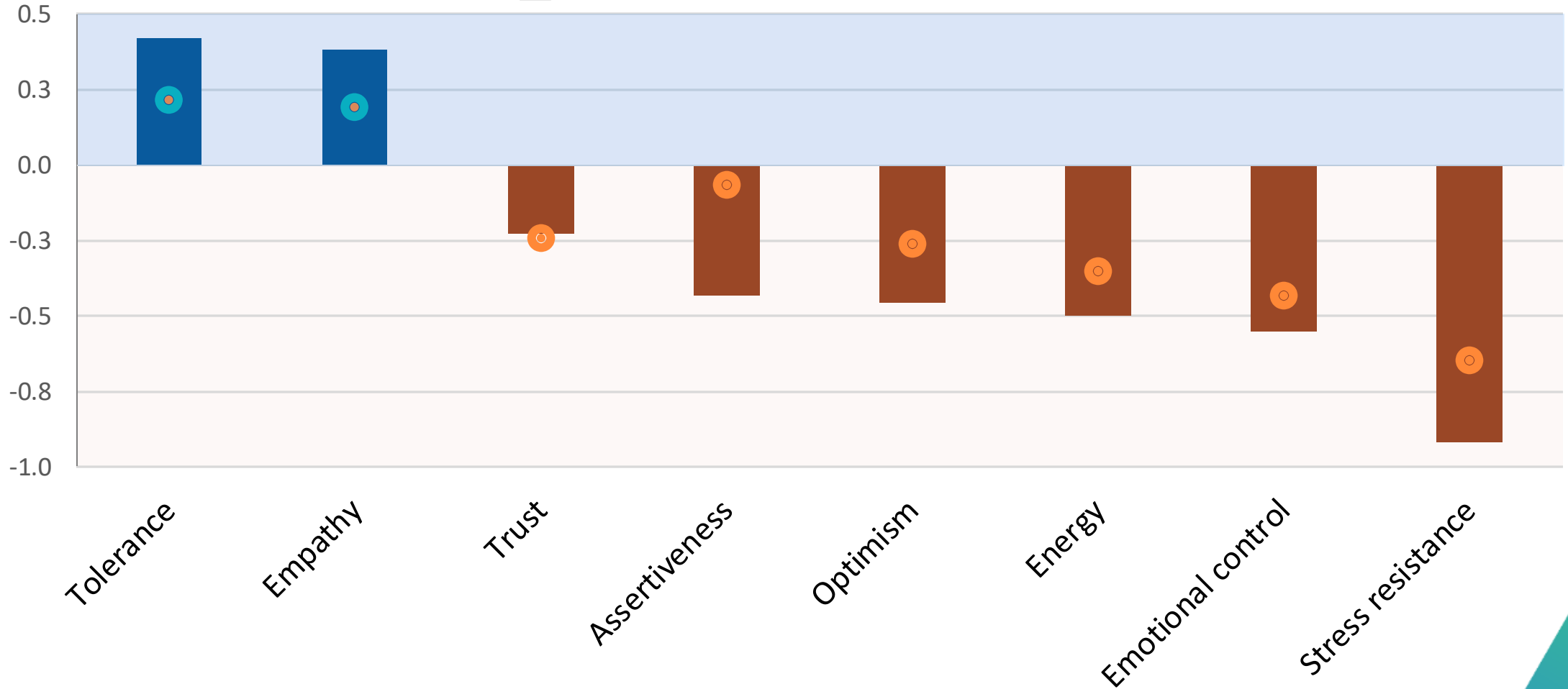


Girls and boys evaluate their skills differently...

Helsinki 2023 (Finland) Average

Boys report lower levels

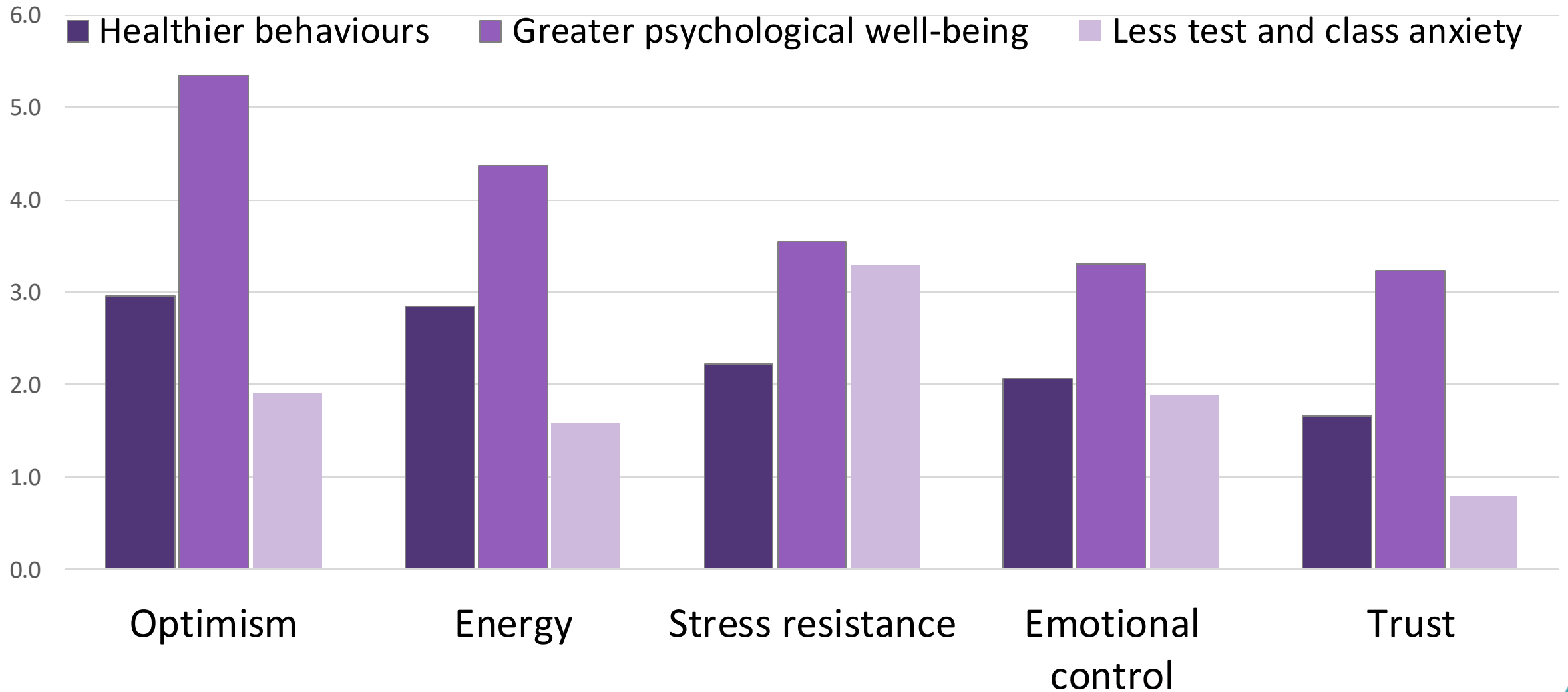
Girls report lower levels



Standardised differences between boys and girls, 10- and 15-year-olds, average across sites



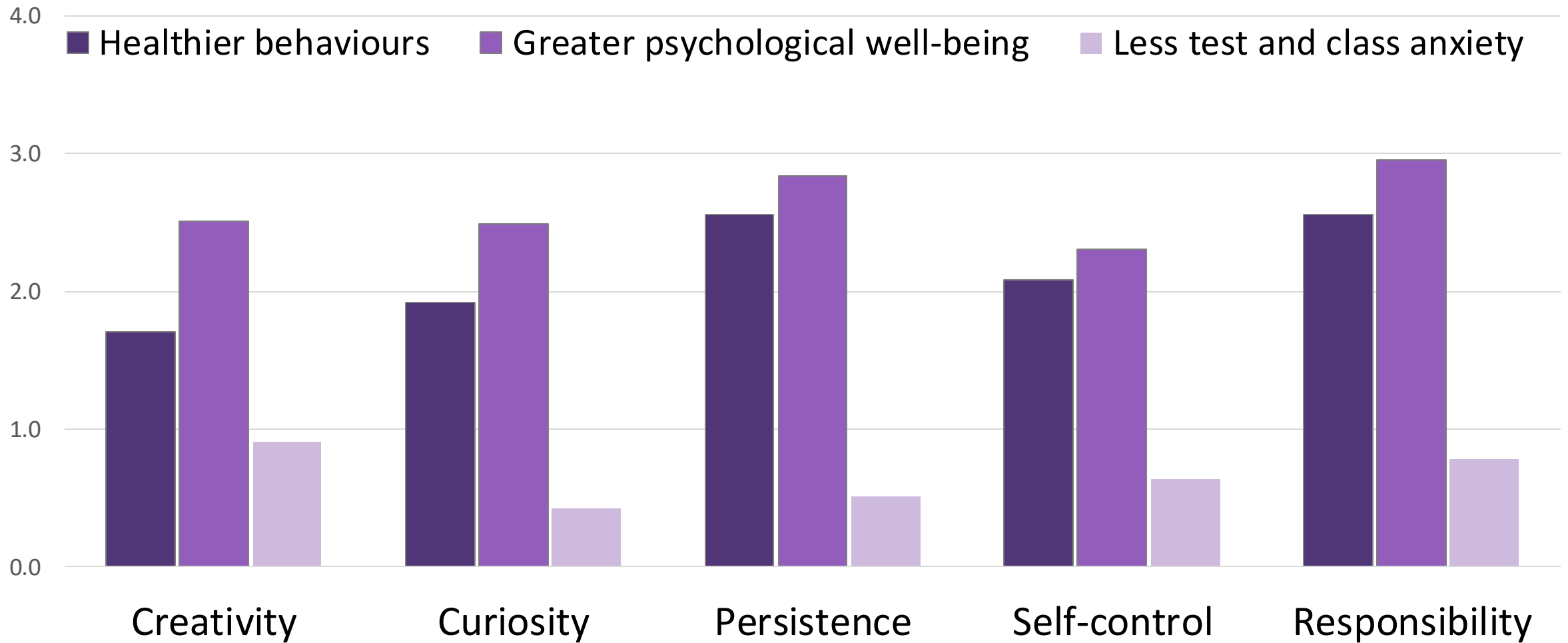
Students with greater emotional regulation skills, energy and trust are happier and healthier...



Standardised regression coefficients of individual skills on students' health and well-being outcomes, 15-year-olds, average across sites



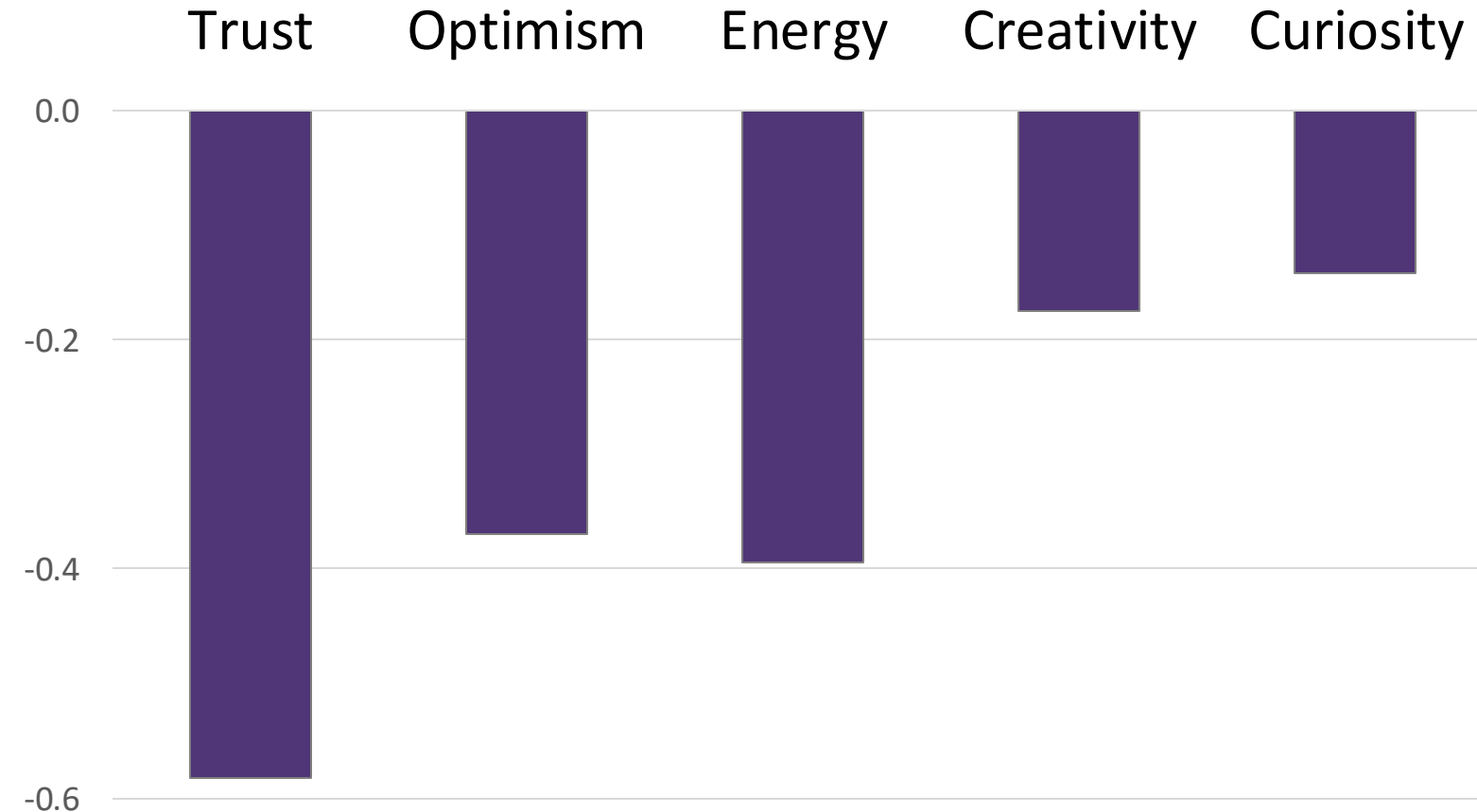
... and so are students with greater task performance and open-mindedness skills



Standardised regression coefficients of individual skills on students' health and well-being outcomes, 15-year-olds, average across sites



Older students report **lower levels** of most social and emotional skills, particularly trust, energy and optimism, than younger students

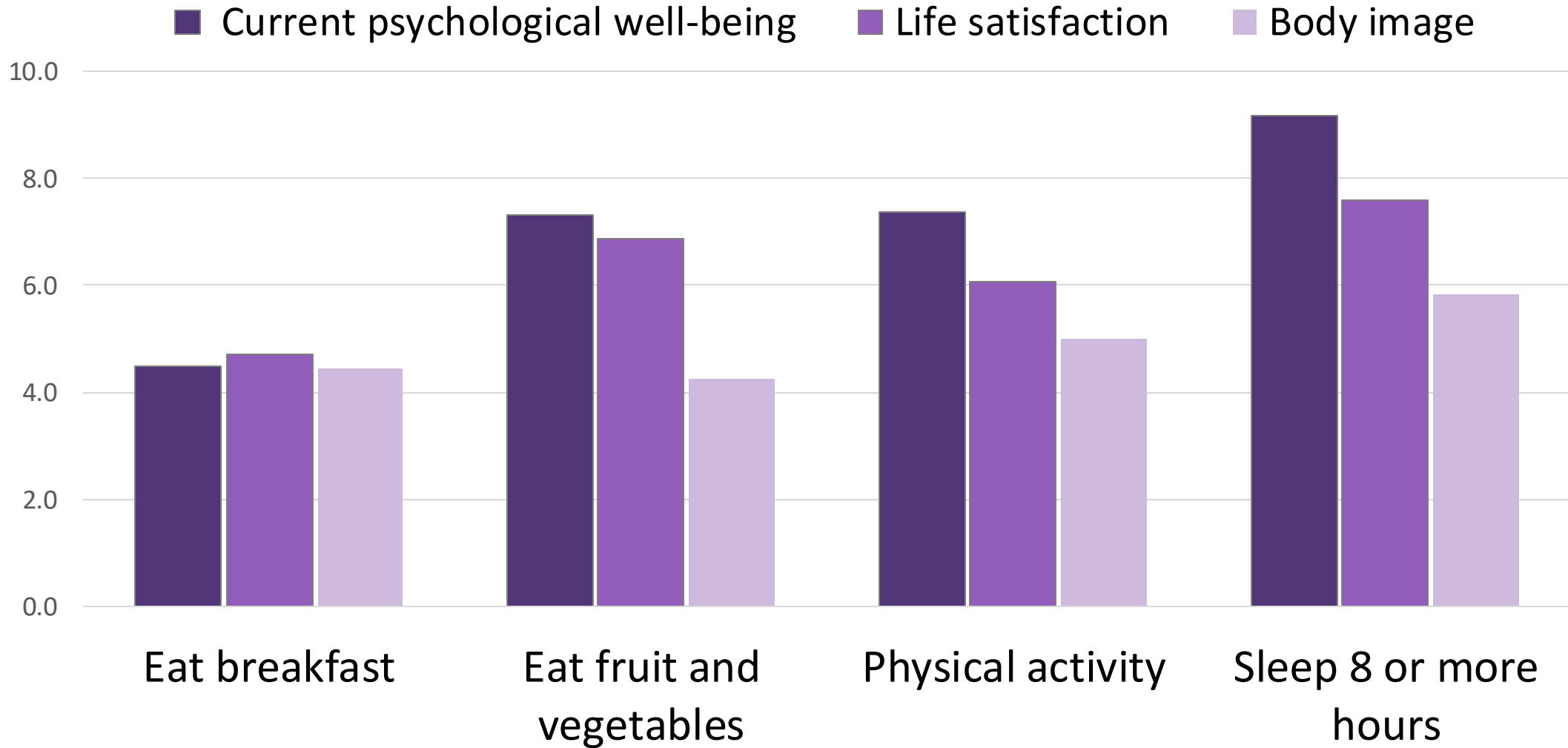


Standardised differences between 10- and 15-year-olds, average across sites

- Trust, optimism and energy are most strongly related to students' well-being outcomes
- Older students also report lower levels of creativity and curiosity, on average across sites



Students with healthier behaviours have better well-being outcomes



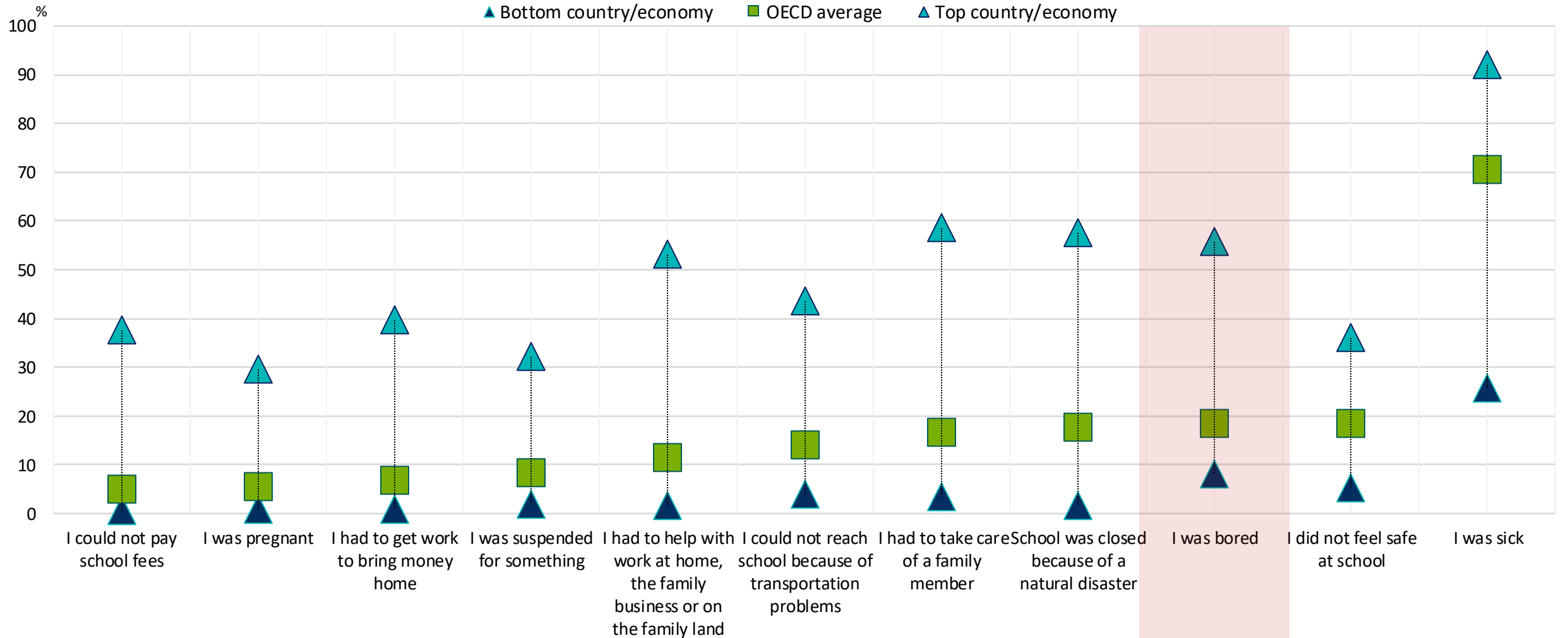
Regression coefficients of doing behaviour every day versus never on health and well-being outcomes, 15-year-olds, average across sites



Reasons for long-term absenteeism

Figure II.3.13

Percentage of students who reported the following reasons for having missed school for more than three consecutive months





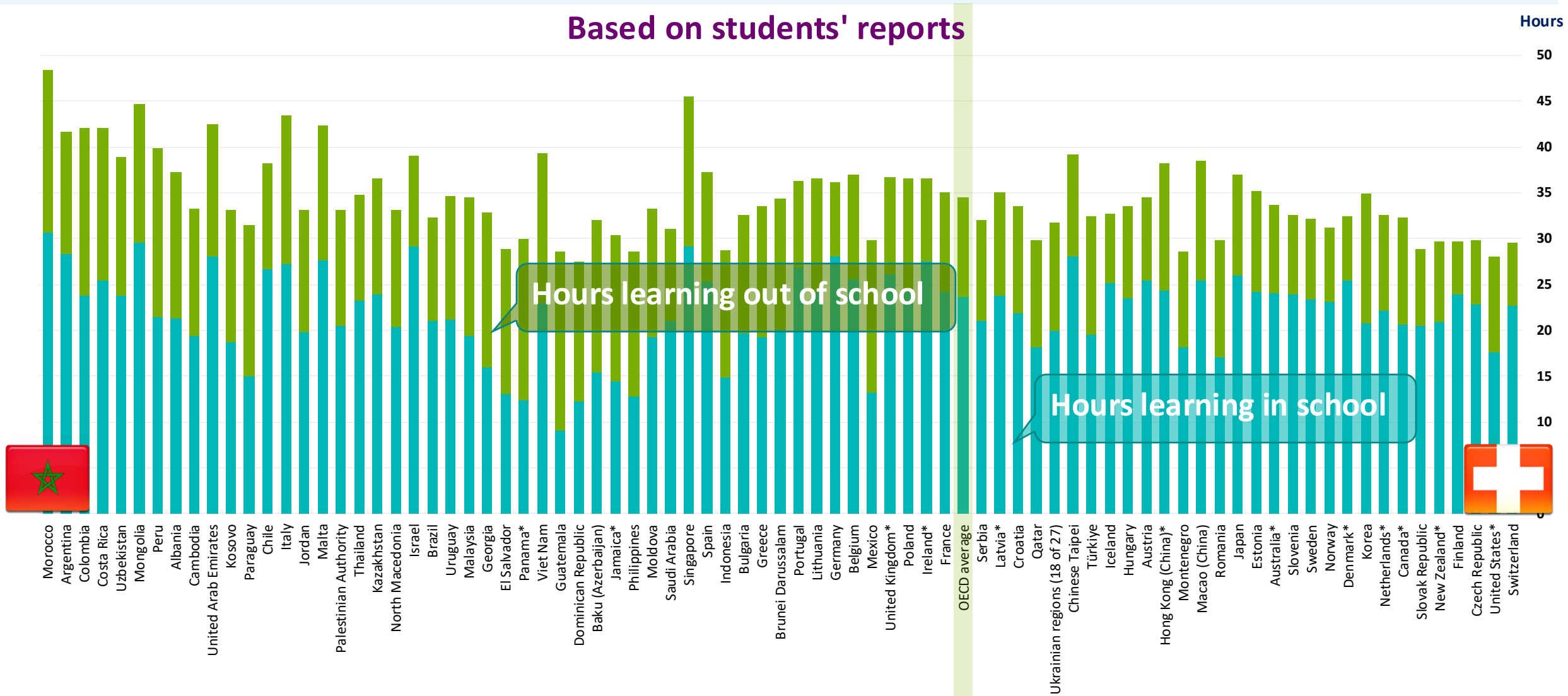
Learning time ≠ learning outcomes

Figure II.5.11

Based on students' reports

Hours

Score points in mathematics per hour of total learning time



Hours learning out of school

Hours learning in school

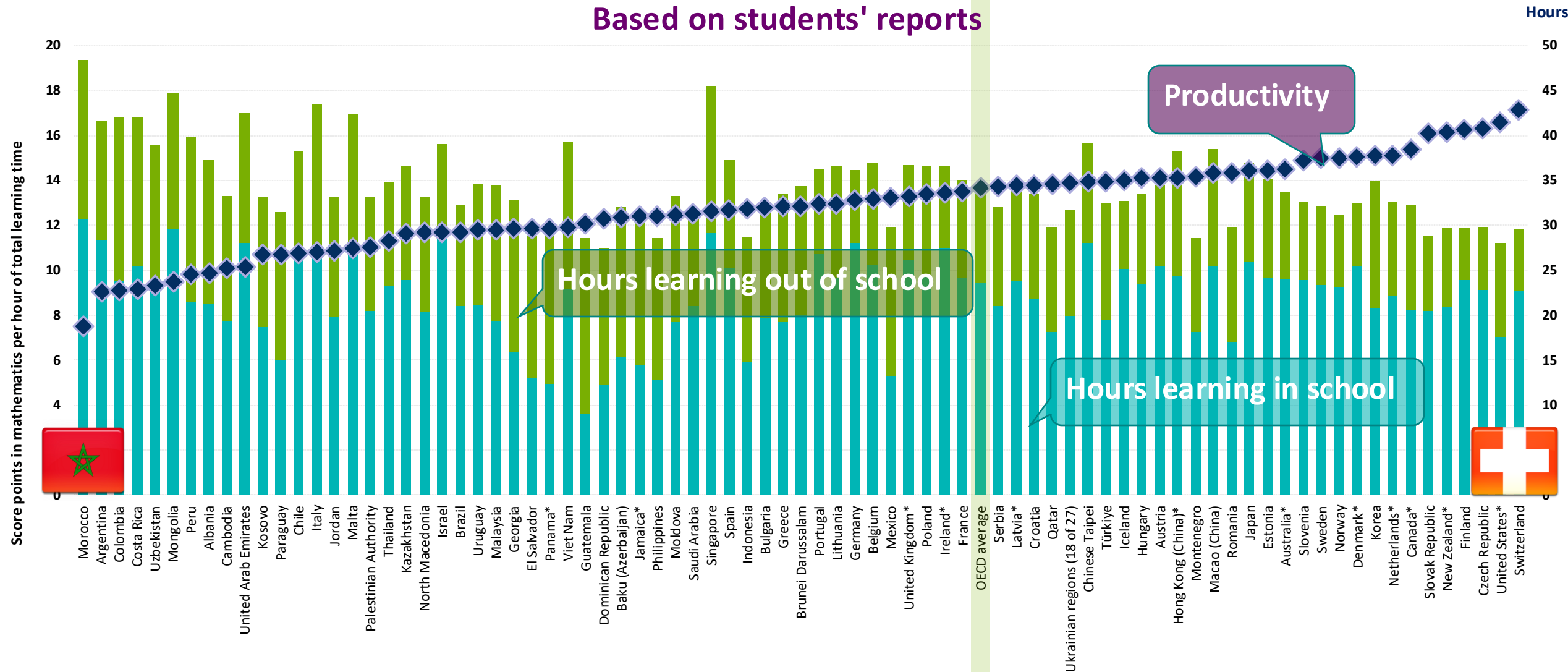




Learning time ≠ learning outcomes

Figure II.5.11

Based on students' reports

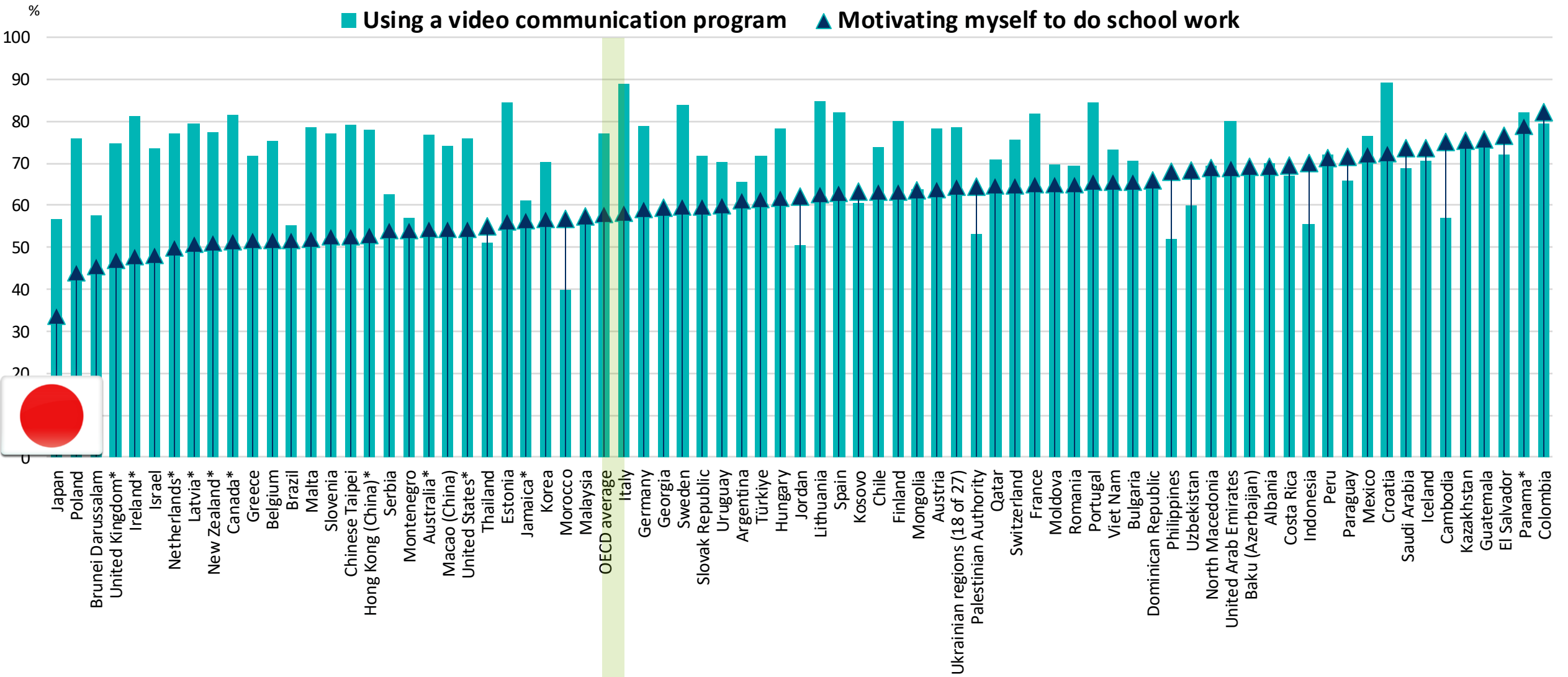




Students' confidence in self-directed learning

Figure II.2.5

Percentage of students who reported feeling confident/very confident in taking the following actions if their school building closes again in the future





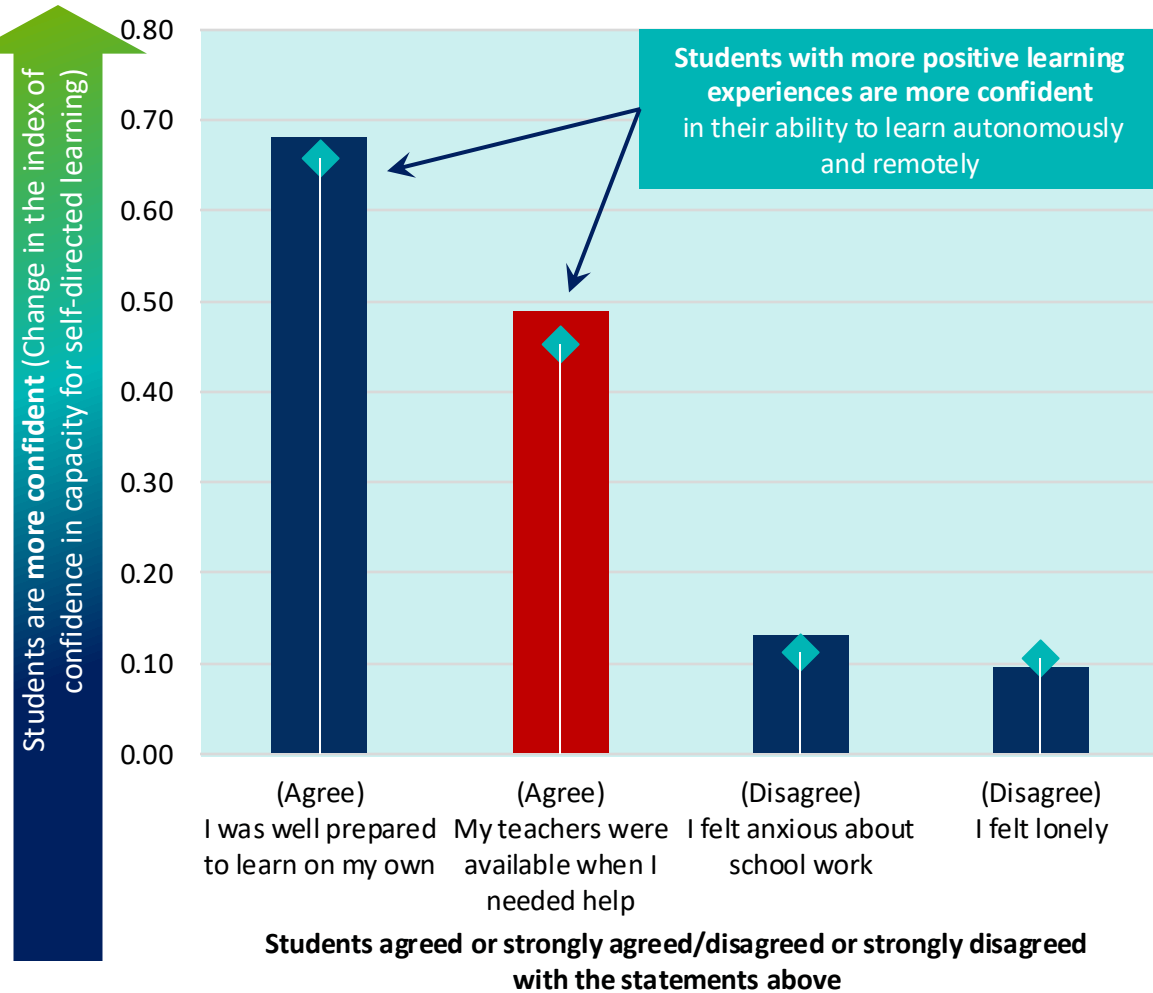
Students learn best from teachers they love

Remote learning, mathematics performance and confidence in self-directed learning

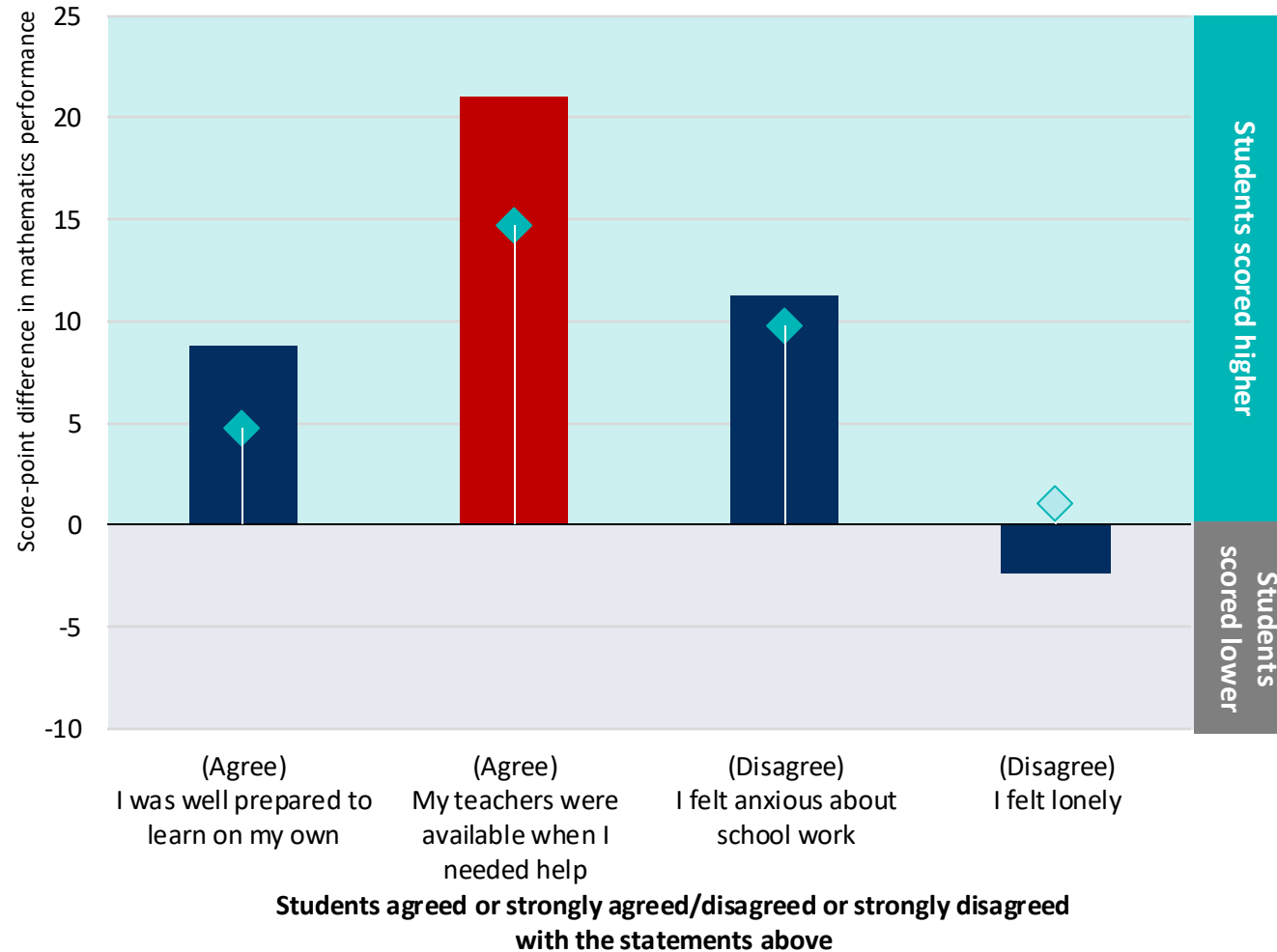
Figure II.2.12

Change in the index of confidence in students' capacity for self-directed learning/in mathematics performance, when students agreed or disagreed with the following statements about the time when their school building was closed because of COVID-19; OECD average

■ Before accounting
◆ After accounting for students' and schools' socio-economic profile, and mathematics performance



■ Before accounting
◆ After accounting for students' and schools' socio-economic profile





Thank you!