

Exhibit M4.4: Students' Expectations for Further Education

Reported by Advanced Mathematics Students

Country	Doctoral Degree		Master's Degree		Bachelor's Degree		Post-Secondary Education but Not Bachelor's Degree		Upper-Secondary Education	
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement
Lebanon	58 (2.1)	538 (3.9)	35 (2.0)	530 (4.3)	4 (0.6)	515 (9.5)	2 (0.3)	~ ~	1 (0.4)	~ ~
Portugal	24 (0.9)	504 (3.2)	47 (0.9)	495 (3.0)	23 (0.8)	450 (4.1)	3 (0.3)	430 (8.2)	3 (0.4)	408 (8.2)
United States	23 (1.1)	478 (11.3)	49 (1.2)	494 (5.2)	27 (1.3)	477 (6.5)	0 (0.1)	~ ~	0 (0.1)	~ ~
France	21 (0.8)	476 (3.9)	54 (1.0)	475 (3.3)	13 (0.8)	433 (4.9)	11 (0.6)	421 (4.2)	2 (0.4)	~ ~
Slovenia	18 (1.5)	499 (6.3)	48 (1.0)	469 (3.2)	22 (1.1)	434 (5.0)	12 (0.9)	416 (6.7)	1 (0.2)	~ ~
Italy	14 (0.7)	464 (7.1)	19 (0.9)	434 (6.5)	41 (1.1)	442 (5.6)	15 (0.9)	378 (8.5)	11 (1.0)	337 (16.6)
Russian Federation 6hr+	12 (1.4)	586 (10.4)	62 (1.1)	545 (6.7)	25 (1.2)	512 (11.1)	1 (0.3)	~ ~	0 (0.1)	~ ~
Sweden	9 (0.7)	455 (8.4)	61 (1.1)	451 (4.1)	26 (1.1)	391 (4.9)	4 (0.5)	375 (9.8)	0 (0.1)	~ ~
Russian Federation	8 (0.6)	529 (9.9)	58 (1.1)	492 (5.4)	31 (1.0)	467 (7.3)	2 (0.3)	~ ~	1 (0.3)	~ ~
Norway	8 (0.8)	495 (5.6)	70 (1.7)	469 (4.8)	20 (1.5)	419 (4.7)	1 (0.4)	~ ~	1 (0.2)	~ ~
International Avg.	20 (0.4)	493 (2.4)	49 (0.4)	479 (1.5)	23 (0.4)	448 (2.0)	6 (0.2)	404 (3.4)	2 (0.1)	373 (9.2)

SOURCE: IEA's Trends in International Mathematics and Science Study - TIMSS Advanced 2015

Students' Expectations for Further Education by Gender

Reported by Advanced Mathematics Students

Country	Doctoral Degree		Master's Degree		Bachelor's Degree		Post-Secondary Education but Not Bachelor's Degree		Upper-Secondary Education	
	Percent of Females	Percent of Males	Percent of Females	Percent of Males	Percent of Females	Percent of Males	Percent of Females	Percent of Males	Percent of Females	Percent of Males
Lebanon	65 (3.7) ♀	54 (2.3)	32 (3.6)	37 (2.2)	3 (0.8)	5 (0.7) ♀	0 (0.2)	2 (0.5) ♀	0 (0.2)	2 (0.6) ♀
Portugal	27 (1.3) ♀	21 (1.3)	49 (1.3) ♀	45 (1.2)	21 (1.1)	27 (1.2) ♀	1 (0.2)	4 (0.7) ♀	2 (0.4)	3 (0.6)
United States	25 (2.1)	21 (1.6)	51 (2.1)	48 (2.9)	24 (1.6)	30 (2.2) ♀	0 (0.1)	0 (0.2)	0 (0.1)	0 (0.1)
France	26 (1.2) ♀	16 (1.0)	47 (1.3)	60 (1.2) ♀	13 (1.0)	13 (1.0)	12 (1.0) ♀	9 (0.8)	1 (0.4)	2 (0.4)
Slovenia	17 (1.6)	19 (1.7)	53 (1.5) ♀	40 (1.4)	21 (1.4)	24 (1.4)	9 (1.2)	16 (1.3) ♀	0 (0.3)	1 (0.3)
Italy	13 (1.2)	14 (0.9)	26 (1.4) ♀	15 (1.0)	44 (1.6) ♀	38 (1.5)	14 (1.4)	16 (1.2)	3 (0.4)	17 (1.6) ♀
Russian Federation 6hr+	10 (1.0)	15 (2.0) ♀	64 (1.5)	60 (1.9)	26 (1.7)	24 (1.3)	1 (0.3)	1 (0.3)	0 (0.1)	0 (0.1)
Sweden	10 (1.1) ♀	7 (0.6)	63 (1.6)	59 (1.4)	25 (1.5)	27 (1.3)	2 (0.4)	6 (0.6) ♀	0 (0.1)	1 (0.2) ♀
Russian Federation	7 (0.7)	9 (0.8) ♀	59 (1.4)	57 (1.2)	31 (1.2)	30 (1.2)	2 (0.7)	2 (0.4)	1 (0.3)	1 (0.4)
Norway	8 (0.8)	8 (1.1)	75 (1.6) ♀	67 (2.1)	17 (1.5)	22 (2.0) ♀	0 (0.2)	2 (0.5) ♀	0 (0.2)	1 (0.3) ♀
International Avg.	22 (0.6) ♀	19 (0.5)	50 (0.6) ♀	47 (0.6)	22 (0.4)	24 (0.5) ♀	5 (0.3)	6 (0.3) ♀	1 (0.1)	3 (0.2) ♀

♀ Percent significantly higher than other gender

The Russian Federation 6hr+ results are for a subset of the Russian Federation students. This subset of students are in an Intensive stream that have at least 6 hours of mathematics lessons per week.

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

A tilde (~) indicates insufficient data to report achievement.

SOURCE: IEA's Trends in International Mathematics and Science Study - TIMSS Advanced 2015