

Exhibit 8.1: Teachers' Formal Education*

Reported by Teachers

Country	Percent of Students by Teacher Educational Level			
	Completed Postgraduate University Degree**	Completed Bachelor's Degree or Equivalent but Not a Postgraduate Degree	Completed Post-Secondary Education but Not a Bachelor's Degree	No Further than Upper-Secondary Education
Australia	12 (2.7)	81 (3.3)	7 (1.9)	0 (0.0)
Bahrain r	24 (1.0)	73 (1.1)	3 (0.5)	0 (0.0)
Belgium (Flemish)	1 (0.7)	98 (0.8)	1 (0.4)	0 (0.0)
Bulgaria	75 (3.6)	17 (2.7)	8 (2.1)	0 (0.0)
Canada	12 (1.9)	88 (1.9)	0 (0.0)	0 (0.0)
Chile	12 (3.0)	82 (3.6)	6 (2.1)	0 (0.2)
Chinese Taipei	36 (4.1)	63 (4.1)	1 (0.7)	0 (0.0)
Croatia	0 (0.4)	41 (3.5)	58 (3.5)	0 (0.0)
Cyprus	59 (4.3)	36 (4.1)	4 (1.9)	0 (0.0)
Czech Republic	92 (2.3)	2 (1.0)	0 (0.2)	6 (2.1)
Denmark	6 (1.8)	88 (2.6)	2 (1.0)	5 (1.8)
England	12 (2.7)	87 (2.7)	1 (0.9)	0 (0.0)
Finland	90 (1.8)	8 (1.7)	0 (0.1)	1 (0.5)
France	40 (3.8)	46 (4.0)	9 (2.3)	4 (1.6)
Georgia	85 (3.0)	11 (2.7)	3 (1.5)	0 (0.3)
Germany	85 (1.7)	0 (0.3)	15 (1.8)	0 (0.0)
Hong Kong SAR	39 (5.4)	54 (5.2)	7 (2.3)	0 (0.0)
Hungary	2 (0.6)	98 (0.8)	1 (0.6)	0 (0.0)
Indonesia	2 (0.6)	85 (2.0)	5 (1.3)	8 (1.8)
Iran, Islamic Rep. of	7 (1.5)	55 (3.8)	28 (3.7)	10 (2.3)
Ireland	13 (2.3)	84 (2.7)	3 (1.2)	1 (0.5)
Italy	3 (1.5)	20 (3.6)	9 (2.1)	68 (3.9)
Japan	6 (1.8)	89 (2.5)	5 (1.8)	0 (0.0)
Kazakhstan	1 (0.6)	78 (3.5)	14 (2.8)	8 (2.5)
Korea, Rep. of	24 (3.0)	70 (3.2)	7 (2.0)	0 (0.0)
Kuwait r	12 (4.2)	85 (4.3)	0 (0.4)	3 (1.6)
Lithuania	21 (3.3)	74 (3.3)	5 (1.4)	0 (0.0)
Morocco r	1 (0.7)	28 (4.0)	6 (1.6)	65 (3.9)
Netherlands r	4 (2.0)	70 (4.2)	25 (4.0)	2 (0.3)
New Zealand	26 (2.3)	58 (2.7)	16 (2.0)	0 (0.0)
Northern Ireland r	16 (3.3)	83 (3.4)	0 (0.0)	2 (0.9)
Norway (5)	9 (2.5)	84 (3.2)	6 (2.0)	1 (0.7)
Oman	30 (2.8)	67 (2.8)	3 (1.0)	0 (0.2)
Poland	100 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Portugal	7 (1.8)	89 (2.3)	4 (1.3)	0 (0.0)
Qatar	22 (4.1)	71 (4.2)	5 (1.6)	3 (1.5)
Russian Federation	31 (4.6)	52 (4.4)	17 (2.8)	0 (0.0)
Saudi Arabia r	1 (0.1)	41 (3.8)	46 (4.2)	12 (2.8)
Serbia	12 (2.6)	39 (4.1)	48 (4.3)	1 (0.5)
Singapore	13 (1.7)	69 (2.3)	16 (2.0)	2 (0.7)
Slovak Republic	99 (0.5)	0 (0.0)	0 (0.0)	1 (0.5)
Slovenia	59 (3.2)	0 (0.4)	41 (3.2)	0 (0.0)
Spain r	5 (1.5)	34 (3.7)	58 (3.7)	2 (1.1)
Sweden	10 (2.5)	80 (3.5)	6 (2.1)	4 (1.9)
Turkey	3 (1.1)	81 (2.6)	16 (2.5)	0 (0.0)
United Arab Emirates r	34 (2.5)	61 (2.6)	4 (1.0)	1 (0.3)
United States	52 (2.5)	48 (2.5)	0 (0.0)	0 (0.0)
International Avg.	28 (0.4)	57 (0.4)	11 (0.3)	4 (0.2)

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

* Based on countries' categorizations according to UNESCO's International Standard Classification of Education (Operational Manual for ISCED-2011).

** For example, doctorate, master's, or other postgraduate degree.

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

An "r" indicates data are available for at least 70% but less than 85% of the students. An "x" indicates data are available for less than 50% of students.

Exhibit 8.1: Teachers' Formal Education* (Continued)

Country	Percent of Students by Teacher Educational Level			
	Completed Postgraduate University Degree**	Completed Bachelor's Degree or Equivalent but Not a Postgraduate Degree	Completed Post-Secondary Education but Not a Bachelor's Degree	No Further than Upper-Secondary Education
Benchmarking Participants				
Buenos Aires, Argentina	x x	x x	x x	x x
Ontario, Canada	14 (3.2)	86 (3.2)	0 (0.0)	0 (0.0)
Quebec, Canada	8 (2.5)	92 (2.5)	0 (0.0)	0 (0.0)
Norway (4)	5 (1.8)	83 (3.1)	11 (2.8)	1 (0.7)
Abu Dhabi, UAE	r 37 (4.5)	59 (4.4)	3 (1.6)	0 (0.4)
Dubai, UAE	r 41 (2.7)	53 (3.7)	6 (2.5)	0 (0.0)
Florida, US	r 44 (5.9)	56 (5.9)	0 (0.0)	0 (0.0)

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