

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 (2.6)	81 (3.2)	7 (1.9)	0 (0.0)
Bahrain	12 (3.0)	87 (3.1)	1 (0.5)	0 (0.4)
Belgium (Flemish)	1 (0.7)	98 (0.8)	1 (0.4)	0 (0.0)
Bulgaria	74 (3.4)	17 (2.5)	10 (2.2)	0 (0.0)
Canada	14 (2.0)	86 (2.0)	0 (0.0)	0 (0.0)
Chile	10 (2.7)	82 (3.6)	8 (2.3)	0 (0.0)
Chinese Taipei	39 (4.0)	61 (4.0)	0 (0.3)	0 (0.0)
Croatia	0 (0.4)	41 (3.5)	58 (3.5)	0 (0.0)
Cyprus	61 (3.6)	37 (3.6)	1 (0.7)	0 (0.0)
Czech Republic	94 (1.6)	2 (1.0)	0 (0.2)	4 (1.2)
Denmark	4 (1.5)	87 (2.8)	3 (1.4)	7 (2.0)
England	13 (2.9)	86 (3.0)	1 (0.7)	0 (0.0)
Finland	90 (1.8)	9 (1.7)	0 (0.1)	1 (0.6)
France	40 (3.7)	48 (3.8)	9 (2.3)	3 (1.2)
Georgia	85 (3.3)	12 (3.0)	3 (1.4)	0 (0.0)
Germany	85 (1.8)	0 (0.0)	15 (1.8)	0 (0.0)
Hong Kong SAR	30 (3.8)	66 (4.4)	4 (1.8)	0 (0.0)
Hungary	1 (0.3)	99 (0.5)	0 (0.4)	0 (0.0)
Indonesia	2 (0.7)	85 (2.2)	5 (1.3)	8 (2.0)
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 (1.4)	16 (3.4)	13 (2.6)	68 (3.6)
Japan	4 (1.1)	90 (2.2)	7 (1.8)	0 (0.0)
Jordan	7 (2.0)	72 (3.9)	16 (3.3)	5 (1.8)
Kazakhstan	1 (0.6)	78 (3.5)	14 (2.8)	8 (2.5)
Korea, Rep. of	21 (3.2)	72 (3.4)	6 (2.0)	0 (0.0)
Kuwait	r 12 (2.7)	68 (3.8)	17 (2.8)	3 (1.2)
Lithuania	21 (3.6)	74 (3.5)	5 (1.4)	0 (0.0)
Morocco	r 1 (0.6)	28 (3.7)	3 (1.2)	67 (3.7)
Netherlands	r 4 (2.0)	70 (4.2)	25 (4.0)	2 (0.3)
New Zealand	27 (2.3)	58 (2.6)	15 (2.0)	0 (0.0)
Northern Ireland	r 16 (3.3)	83 (3.4)	0 (0.0)	2 (0.9)
Norway (5)	8 (2.7)	88 (3.0)	4 (1.4)	0 (0.0)
Oman	r 29 (2.9)	66 (3.2)	3 (1.2)	2 (1.0)
Poland	97 (1.3)	3 (1.3)	0 (0.0)	0 (0.0)
Portugal	7 (1.8)	89 (2.3)	4 (1.3)	0 (0.0)
Qatar	r 15 (2.3)	79 (2.5)	4 (1.4)	2 (1.4)
Russian Federation	30 (4.5)	53 (4.3)	17 (2.8)	0 (0.0)
Saudi Arabia	s 8 (2.0)	67 (4.2)	9 (2.6)	17 (3.5)
Serbia	12 (2.6)	39 (4.1)	48 (4.3)	1 (0.5)
Singapore	10 (1.6)	69 (2.6)	20 (2.1)	1 (0.6)
Slovak Republic	100 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Slovenia	59 (3.2)	0 (0.4)	41 (3.2)	0 (0.0)
South Africa (5)	1 (0.5)	46 (3.4)	49 (3.4)	4 (1.0)
Spain	r 4 (1.5)	33 (4.0)	61 (4.2)	2 (1.0)
Sweden	11 (2.7)	76 (3.7)	9 (2.7)	4 (1.8)
Turkey	3 (1.1)	81 (2.6)	16 (2.5)	0 (0.0)
United Arab Emirates	r 32 (2.7)	61 (2.6)	6 (1.3)	1 (0.3)
United States	53 (2.4)	47 (2.4)	0 (0.0)	0 (0.0)
International Avg.	26 (0.3)	58 (0.4)	12 (0.3)	5 (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 "s" indicates data are available for at least 50% but less than 70% 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	17 (3.6)	83 (3.6)	0 (0.0)	0 (0.0)
Quebec, Canada	7 (2.3)	93 (2.3)	0 (0.0)	0 (0.0)
Norway (4)	4 (1.3)	84 (3.4)	10 (3.2)	1 (0.7)
Abu Dhabi, UAE	r 39 (4.6)	53 (4.2)	7 (2.7)	1 (0.6)
Dubai, UAE	r 38 (3.7)	58 (3.8)	4 (0.9)	0 (0.0)
Florida, US	r 47 (6.5)	53 (6.5)	0 (0.0)	0 (0.0)

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