

Exhibit 5.9: Problems with School Conditions and Resources – Teachers' Reports

Reported by Teachers

Students were scored according to their teachers' responses concerning seven conditions and resources on the *Problems with School Conditions and Resources* scale. Students whose teachers reported **Hardly Any Problems** with their school conditions and resources had a score on the scale of at least 10.9, which corresponds to their teachers reporting "not a problem" for four of seven conditions and resources and "minor problem" for the other three, on average. Students whose teachers reported **Moderate to Severe Problems** had a score no higher than 8.5, which corresponds to their teachers reporting "moderate problem" for four of seven conditions and resources and "minor problem" for the other three, on average. All other students had teachers that reported **Minor Problems** with their school conditions and resources.

Country	Hardly Any Problems		Minor Problems		Moderate to Severe Problems		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
Qatar	69 (3.5)	429 (4.1)	23 (2.5)	457 (9.2)	8 (2.8)	438 (8.1)	11.7 (0.16)
United Arab Emirates	56 (2.6)	478 (3.6)	37 (2.4)	452 (5.1)	7 (1.3)	441 (8.7)	11.2 (0.10)
Bahrain	52 (3.1)	460 (2.9)	40 (3.2)	451 (3.0)	7 (1.8)	431 (8.5)	11.0 (0.10)
Singapore	50 (2.9)	621 (5.1)	44 (2.9)	621 (5.1)	5 (1.1)	598 (16.1)	10.9 (0.10)
Australia	50 (3.3)	519 (3.8)	44 (3.5)	496 (4.9)	6 (1.4)	500 (13.9)	10.9 (0.10)
England	49 (4.6)	523 (8.3)	44 (4.3)	514 (8.3)	7 (2.0)	498 (21.8)	10.8 (0.15)
United States	49 (2.8)	522 (4.5)	41 (2.3)	514 (4.7)	10 (2.1)	517 (9.4)	10.7 (0.12)
Chile	48 (3.8)	442 (5.5)	38 (3.5)	424 (8.1)	14 (2.8)	402 (7.2)	10.6 (0.17)
Ireland	45 (3.6)	527 (4.4)	42 (3.4)	519 (5.0)	12 (2.3)	521 (6.8)	10.6 (0.14)
Canada	45 (3.2)	535 (3.3)	46 (3.2)	525 (3.8)	9 (1.7)	534 (5.8)	10.6 (0.11)
Lebanon	45 (4.6)	451 (5.8)	37 (4.1)	438 (6.1)	19 (3.2)	426 (11.9)	10.4 (0.18)
Slovenia	45 (3.2)	518 (2.8)	43 (3.2)	515 (3.9)	13 (2.2)	514 (5.4)	10.7 (0.14)
New Zealand	41 (3.7)	497 (7.3)	49 (3.8)	495 (4.7)	10 (1.5)	470 (13.8)	10.5 (0.10)
Kuwait	40 (3.9)	394 (8.8)	37 (3.7)	393 (9.4)	23 (3.2)	386 (6.6)	10.2 (0.16)
Kazakhstan	40 (4.0)	533 (7.5)	37 (3.9)	534 (8.5)	23 (3.1)	507 (12.9)	10.3 (0.17)
Malta	39 (0.1)	502 (1.7)	48 (0.1)	493 (1.5)	13 (0.1)	475 (3.2)	10.5 (0.00)
Hong Kong SAR	39 (4.6)	597 (9.5)	52 (4.8)	595 (6.7)	9 (2.4)	569 (16.6)	10.7 (0.15)
Chinese Taipei	38 (3.7)	615 (5.1)	51 (4.1)	591 (4.1)	11 (2.5)	585 (9.2)	10.4 (0.12)
Oman	37 (3.3)	407 (5.5)	47 (3.5)	404 (3.6)	16 (2.4)	393 (6.8)	10.5 (0.15)
Russian Federation	34 (3.7)	544 (6.3)	50 (3.5)	537 (5.7)	16 (2.5)	530 (11.5)	10.1 (0.11)
Korea, Rep. of	33 (3.4)	612 (4.4)	51 (3.4)	603 (4.1)	16 (2.6)	603 (7.8)	10.3 (0.14)
Lithuania	30 (4.0)	515 (6.8)	59 (4.6)	511 (3.9)	10 (2.4)	495 (9.4)	10.2 (0.14)
Israel	29 (2.7)	509 (8.3)	46 (2.5)	519 (6.9)	25 (2.2)	497 (7.8)	9.8 (0.12)
Norway (9)	29 (3.2)	518 (5.0)	53 (3.9)	512 (2.7)	18 (3.2)	506 (3.2)	10.1 (0.12)
Iran, Islamic Rep. of	28 (3.4)	466 (10.1)	41 (3.5)	437 (7.3)	30 (2.9)	408 (5.8)	9.6 (0.13)
Thailand	27 (3.4)	438 (9.6)	59 (4.0)	433 (6.6)	14 (2.6)	414 (11.7)	10.0 (0.13)
Sweden	26 (3.8)	498 (6.2)	53 (4.4)	505 (4.1)	22 (3.3)	493 (6.0)	9.8 (0.14)
Jordan	25 (2.9)	412 (7.4)	37 (3.5)	385 (3.8)	38 (3.3)	369 (5.4)	9.4 (0.13)
Hungary	22 (3.2)	517 (12.1)	49 (3.7)	508 (6.1)	28 (3.4)	523 (6.9)	9.7 (0.13)
Georgia	22 (3.6)	463 (6.3)	44 (4.3)	452 (5.0)	34 (3.6)	448 (7.5)	9.5 (0.14)
Saudi Arabia	20 (3.6)	386 (8.5)	41 (4.3)	367 (6.9)	39 (4.6)	357 (6.6)	9.3 (0.19)
South Africa (9)	18 (3.1)	444 (11.4)	29 (3.4)	384 (9.0)	53 (3.9)	342 (3.3)	8.6 (0.18)
Italy	17 (3.0)	486 (8.3)	51 (4.1)	501 (4.1)	32 (3.5)	485 (5.5)	9.4 (0.12)
Japan	17 (2.6)	587 (6.0)	60 (3.5)	586 (3.4)	22 (2.9)	588 (5.1)	9.5 (0.10)
Turkey	16 (2.6)	481 (12.9)	36 (3.4)	461 (7.1)	48 (3.7)	447 (6.6)	8.8 (0.15)
Egypt	15 (2.3)	417 (6.5)	39 (3.5)	392 (7.5)	46 (3.4)	383 (5.8)	8.8 (0.11)
Malaysia	13 (2.9)	477 (13.9)	52 (4.4)	466 (5.6)	34 (4.3)	461 (6.7)	9.1 (0.14)
Morocco	12 (2.0)	405 (6.0)	41 (3.1)	387 (3.8)	47 (3.0)	377 (3.4)	8.9 (0.09)
Botswana (9)	2 (1.1)	~ ~	20 (3.2)	402 (5.9)	77 (3.4)	387 (2.5)	7.6 (0.11)
International Avg.	34 (0.5)	493 (1.2)	44 (0.6)	481 (0.9)	22 (0.5)	470 (1.5)	

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

This TIMSS questionnaire scale was established in 2015 based on the combined response distribution of all countries that participated in TIMSS 2015. To provide a point of reference for country comparisons, the scale centerpoint of 10 was located at the mean of the combined distribution. The units of the scale were chosen so that 2 scale score points corresponded to the standard deviation of the distribution.

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

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

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 5.9: Problems with School Conditions and Resources – Teachers' Reports (Continued)

Country	Hardly Any Problems		Minor Problems		Moderate to Severe Problems		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
Benchmarking Participants							
Dubai, UAE	68 (2.1)	526 (3.3)	29 (2.1)	488 (5.1)	2 (0.5)	~ ~	11.8 (0.09)
Abu Dhabi, UAE	50 (4.7)	447 (8.8)	42 (4.8)	435 (12.2)	9 (2.6)	447 (16.9)	10.9 (0.18)
Quebec, Canada	50 (5.3)	554 (4.8)	40 (5.0)	545 (7.0)	11 (2.5)	545 (9.2)	11.0 (0.21)
Florida, US	45 (7.7)	512 (10.7)	47 (8.1)	498 (12.5)	8 (3.4)	455 (13.5)	10.7 (0.27)
Ontario, Canada	41 (4.5)	528 (3.9)	49 (4.3)	520 (5.0)	10 (2.6)	528 (7.0)	10.4 (0.15)
Norway (8)	34 (4.1)	488 (3.9)	53 (4.0)	488 (2.3)	13 (2.7)	481 (6.5)	10.2 (0.14)
Buenos Aires, Argentina	x x	x x	x x	x x	x x	x x	x x

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