

Exhibit 7.1: School Discipline – Principals’ Reports

Previous PIRLS assessments have asked principals for their perceptions about the degree to which a series of discipline, disorderly, and bullying behaviors are problems in their schools. Exhibit 7.1 presents the PIRLS 2016 results for the *School Discipline* scale. Countries are ordered by the percentage of students whose principals reported few student discipline problems. Sixty-two percent of the fourth grade students, on average, attended schools where the principals reported **Hardly Any Problems**, another 30 percent attended schools with **Minor Problems**, and 8 percent attended schools with **Moderate to Severe Problems**. Average reading achievement was higher for students in schools with **Hardly Any Problems** than for those in schools with **Minor Problems** (518 vs. 503). However, it was substantially lower—by 48 points—for students in schools with **Moderate to Severe Problems** (455).

The trend results indicate that school discipline problems have not worsened since PIRLS 2011. Five countries showed fewer problems and two countries had an increase.

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Students Categorized by Principals' Reports

Students were scored according to their principals' responses concerning ten potential school problems on the *School Discipline* scale. Students in schools with **Hardly Any Problems** had a score on the scale of at least 9.9, which corresponds to their principals reporting "not a problem" for five of the ten issues and "minor problem" for the other five, on average. Students in schools with **Moderate to Severe Problems** had a score no higher than 7.7, which corresponds to their principals reporting "moderate problem" for five of the ten issues and "minor problem" for the other five, on average. All other students attended schools with **Minor Problems**.

Country	Hardly Any Problems		Minor Problems		Moderate to Severe Problems		Average Scale Score	Difference in Average Scale Score from 2011
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement		
Hong Kong SAR	93 (2.2)	571 (3.0)	7 (2.2)	547 (10.1)	0 (0.0)	~ ~	11.9 (0.10)	0.5 (0.16) ▲
Macao SAR	89 (0.1)	548 (1.1)	11 (0.1)	531 (3.4)	0 (0.0)	~ ~	11.4 (0.00)	- -
Northern Ireland	r 85 (3.5)	566 (2.8)	15 (3.5)	557 (10.8)	0 (0.0)	~ ~	11.2 (0.12)	r 0.1 (0.17)
Kazakhstan	85 (3.1)	538 (2.8)	10 (2.7)	520 (9.2)	5 (1.6)	537 (7.7)	11.4 (0.14)	- -
Lithuania	84 (2.5)	549 (2.9)	15 (2.4)	548 (5.6)	0 (0.5)	~ ~	10.9 (0.10)	0.3 (0.15)
Ireland	83 (3.4)	571 (2.5)	15 (3.5)	550 (8.8)	2 (0.9)	~ ~	11.0 (0.13)	-0.1 (0.18)
England	82 (3.4)	563 (2.1)	18 (3.4)	539 (4.1)	0 (0.0)	~ ~	11.1 (0.11)	0.3 (0.18)
Finland	78 (3.3)	567 (1.9)	22 (3.3)	564 (4.9)	0 (0.0)	~ ~	10.6 (0.09)	0.3 (0.15)
Chinese Taipei	77 (3.6)	560 (2.2)	23 (3.6)	557 (4.8)	0 (0.0)	~ ~	11.1 (0.13)	-0.3 (0.18)
Georgia	77 (3.0)	490 (3.1)	11 (2.3)	492 (8.6)	12 (2.3)	479 (9.7)	10.6 (0.15)	-0.3 (0.20)
Spain	76 (2.6)	531 (1.5)	18 (2.5)	520 (3.4)	6 (1.1)	505 (16.2)	10.7 (0.12)	0.0 (0.20)
Czech Republic	75 (3.5)	545 (2.3)	23 (3.5)	539 (4.8)	1 (0.7)	~ ~	10.4 (0.10)	0.1 (0.14)
Azerbaijan	75 (3.4)	467 (5.4)	16 (2.8)	496 (7.2)	9 (2.2)	461 (7.8)	10.5 (0.15)	0.9 (0.30) ▲
United Arab Emirates	72 (2.1)	463 (4.5)	23 (2.0)	423 (6.3)	5 (1.0)	392 (10.1)	10.7 (0.08)	0.7 (0.13) ▲
Latvia	72 (4.0)	562 (2.1)	26 (4.3)	547 (4.2)	2 (1.3)	~ ~	10.5 (0.11)	- -
Bahrain	70 (2.7)	454 (3.1)	20 (2.6)	429 (6.4)	10 (0.9)	424 (8.7)	10.2 (0.09)	- -
Norway (5)	70 (4.4)	562 (2.7)	28 (4.3)	554 (4.2)	2 (1.1)	~ ~	10.4 (0.14)	- -
Russian Federation	70 (3.0)	580 (3.0)	30 (3.0)	583 (4.0)	0 (0.0)	~ ~	10.5 (0.08)	0.2 (0.12)
New Zealand	69 (3.4)	539 (3.0)	29 (3.4)	497 (6.2)	2 (1.0)	~ ~	10.6 (0.10)	0.0 (0.15)
Bulgaria	69 (4.1)	562 (4.5)	26 (3.8)	532 (9.6)	5 (2.1)	521 (23.3)	10.4 (0.15)	-0.2 (0.21)
Canada	68 (2.7)	550 (2.1)	31 (2.7)	532 (4.4)	2 (0.7)	~ ~	10.4 (0.07)	0.1 (0.10)
Australia	67 (3.8)	556 (3.2)	29 (3.6)	525 (4.1)	4 (1.6)	475 (12.3)	10.3 (0.11)	-0.2 (0.16)
Singapore	67 (0.0)	580 (4.3)	33 (0.0)	569 (6.2)	0 (0.0)	~ ~	10.8 (0.00)	0.0 (0.00)
Slovak Republic	66 (3.7)	542 (3.0)	31 (3.8)	531 (7.5)	3 (1.5)	420 (24.7)	10.4 (0.13)	0.3 (0.18)
Qatar	65 (0.4)	443 (2.5)	28 (0.3)	450 (2.7)	7 (0.1)	403 (5.4)	10.5 (0.01)	0.4 (0.14) ▲
United States	65 (4.6)	561 (3.4)	31 (4.3)	529 (6.0)	4 (1.5)	520 (9.3)	10.4 (0.12)	0.0 (0.15)
Belgium (Flemish)	64 (3.7)	531 (2.4)	34 (3.7)	515 (4.9)	1 (0.9)	~ ~	10.5 (0.14)	- -
Iran, Islamic Rep. of	63 (4.2)	443 (4.7)	30 (4.1)	406 (12.2)	7 (2.0)	390 (16.2)	10.3 (0.12)	-0.5 (0.16) ▼
Belgium (French)	63 (3.6)	503 (3.5)	33 (3.4)	495 (4.7)	5 (1.6)	461 (12.4)	10.2 (0.11)	0.1 (0.19)
Malta	62 (0.1)	459 (2.1)	34 (0.1)	441 (2.5)	5 (0.1)	446 (6.3)	10.2 (0.00)	0.0 (0.01)
Italy	59 (3.6)	550 (3.0)	28 (3.4)	547 (4.5)	12 (2.5)	543 (4.8)	9.9 (0.13)	0.3 (0.19)
Hungary	58 (4.2)	565 (3.6)	36 (4.1)	542 (5.5)	6 (1.7)	512 (9.4)	10.1 (0.12)	0.3 (0.18)
Slovenia	58 (4.0)	543 (3.1)	38 (3.7)	542 (2.9)	4 (1.9)	544 (8.6)	10.1 (0.14)	0.0 (0.18)
Portugal	57 (4.0)	534 (3.2)	38 (3.7)	523 (2.6)	6 (1.8)	501 (10.2)	10.1 (0.10)	-0.3 (0.20)
Israel	54 (3.9)	548 (5.2)	34 (3.5)	520 (6.4)	12 (2.1)	475 (9.0)	9.6 (0.16)	0.5 (0.26)
Sweden	53 (4.6)	562 (3.3)	44 (4.6)	548 (4.0)	3 (1.1)	522 (15.7)	10.1 (0.13)	0.3 (0.18)
France	52 (3.5)	519 (3.3)	41 (3.5)	508 (3.6)	7 (1.9)	484 (11.7)	9.9 (0.11)	-0.4 (0.17) ▼
Denmark	52 (3.9)	552 (3.0)	47 (3.9)	543 (3.2)	1 (0.7)	~ ~	10.1 (0.10)	-0.1 (0.14)
Chile	52 (4.5)	506 (4.3)	37 (5.0)	490 (5.6)	11 (3.2)	447 (10.4)	9.7 (0.13)	- -
Saudi Arabia	51 (3.7)	455 (5.8)	25 (3.1)	416 (8.0)	24 (3.6)	393 (8.2)	9.5 (0.18)	0.2 (0.26)
Austria	51 (4.5)	548 (2.9)	45 (4.3)	536 (3.8)	4 (1.7)	509 (12.4)	9.9 (0.12)	0.3 (0.18)
Netherlands	43 (5.1)	551 (2.9)	54 (5.2)	543 (2.5)	3 (1.0)	498 (32.9)	9.6 (0.11)	r 0.5 (0.15) ▲
Germany	43 (3.8)	553 (2.8)	50 (3.7)	529 (5.1)	7 (2.0)	489 (26.2)	9.4 (0.10)	-0.2 (0.13)
Poland	42 (4.2)	569 (3.7)	57 (4.2)	562 (3.0)	1 (0.1)	~ ~	9.7 (0.10)	- -
Oman	40 (2.6)	430 (5.1)	32 (2.8)	415 (5.5)	28 (2.9)	407 (6.3)	8.9 (0.15)	0.4 (0.21)
Kuwait	37 (5.0)	413 (9.5)	41 (5.3)	388 (9.8)	23 (3.5)	378 (12.0)	9.1 (0.14)	- -
Trinidad and Tobago	33 (3.9)	497 (7.2)	52 (4.4)	481 (6.0)	15 (3.4)	462 (10.6)	9.2 (0.12)	-0.2 (0.17)
Egypt	19 (2.9)	356 (14.9)	39 (4.2)	336 (10.3)	42 (3.6)	314 (8.7)	7.9 (0.13)	- -
South Africa	r 18 (2.6)	348 (13.7)	55 (3.7)	319 (6.4)	27 (3.6)	295 (7.9)	8.6 (0.10)	r -0.3 (0.13)
Morocco	17 (2.6)	368 (10.1)	21 (3.1)	354 (11.5)	62 (3.0)	357 (4.5)	7.4 (0.14)	0.2 (0.21)
International Avg.	62 (0.5)	518 (0.7)	30 (0.5)	503 (0.9)	8 (0.3)	455 (2.4)		

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2016

This PIRLS questionnaire scale was established in 2011 based on the combined response distribution of all countries that participated in PIRLS 2011. 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 dash (-) indicates comparable data not available. 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.

Significantly higher than 2011 ▲

Significantly lower than 2011 ▼

Exhibit 7.1: School Discipline – Principals' Reports (Continued)

Country	Hardly Any Problems		Minor Problems		Moderate to Severe Problems		Average Scale Score	Difference in Average Scale Score from 2011
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement		
Benchmarking Participants								
Dubai, UAE	83 (0.2)	521 (2.1)	13 (0.2)	496 (4.5)	3 (0.1)	439 (7.9)	11.2 (0.01)	0.5 (0.01) ▲
Madrid, Spain	79 (3.3)	552 (2.3)	18 (3.1)	534 (3.9)	2 (1.3)	~ ~	10.9 (0.13)	--
Andalusia, Spain	76 (3.5)	528 (2.1)	18 (3.0)	516 (4.6)	6 (2.0)	506 (18.6)	10.6 (0.15)	0.2 (0.24)
Moscow City, Russian Fed.	72 (3.8)	614 (2.5)	28 (3.8)	608 (4.8)	0 (0.0)	~ ~	10.3 (0.09)	--
Ontario, Canada	71 (4.5)	552 (3.6)	26 (4.3)	530 (5.4)	3 (1.4)	490 (19.7)	10.5 (0.14)	0.2 (0.21)
Quebec, Canada	69 (4.7)	552 (3.3)	31 (4.7)	537 (6.9)	0 (0.0)	~ ~	10.5 (0.15)	0.5 (0.19)
Norway (4)	66 (4.4)	520 (2.5)	30 (4.3)	514 (3.6)	3 (1.1)	505 (7.7)	10.4 (0.13)	0.3 (0.18)
Abu Dhabi, UAE	66 (3.4)	426 (6.9)	27 (2.9)	395 (7.9)	7 (2.1)	385 (14.3)	10.3 (0.13)	0.3 (0.22)
Denmark (3)	54 (4.2)	505 (3.5)	44 (4.1)	497 (4.1)	2 (0.9)	~ ~	10.1 (0.12)	--
Buenos Aires, Argentina	42 (3.6)	495 (6.2)	50 (3.9)	475 (4.7)	8 (2.0)	450 (12.8)	9.5 (0.10)	--
Eng/Afr/Zulu - RSA (5)	25 (4.4)	421 (14.4)	57 (5.1)	412 (11.0)	17 (4.2)	393 (16.1)	8.9 (0.16)	--

Significantly higher than 2011 ▲
Significantly lower than 2011 ▼

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2016

