

Exhibit 7.3: Student Bullying

Exhibit 7.3 summarizes students' responses about how often they were bullied in school. On average across the PIRLS 2016 countries, the majority of fourth grade students (57%) reported **Almost Never** being bullied. However, 29 percent reported they were bullied on a **Monthly** basis, and 14 percent on a **Weekly** basis. There were a number of countries where 20 percent or more of the students reported being bullied weekly. Fourth grade students' reports about being bullied were directly related to their average reading achievement, with each successive category of increased bullying being related to a decrease in average reading achievement (521 average for **Almost Never**, 507 for **Monthly**, and 482 for **Weekly**—for a decrease of 39 points overall).

Exhibit 7.3: Student Bullying

Students' Reports

Students were scored according to their responses to how often they experienced eight bullying behaviors on the *Student Bullying* scale. Students bullied **Almost Never** had a score on the scale of at least 9.5, which corresponds to “never” experiencing four of the eight bullying behaviors and experiencing each of the other four behaviors “a few times a year,” on average. Students bullied **About Weekly** had a score no higher than 7.9, which corresponds to their experiencing each of four of the eight behaviors “once or twice a month” and each of the other four “a few times a year,” on average. All other students were bullied **About Monthly**.

Country	Almost Never		About Monthly		About Weekly		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
Kazakhstan	77 (1.2)	540 (2.5)	17 (0.8)	527 (3.7)	6 (0.5)	519 (5.8)	11.2 (0.07)
Finland	75 (1.0)	571 (1.9)	21 (0.9)	557 (3.4)	5 (0.4)	532 (6.1)	10.7 (0.05)
Ireland	74 (1.1)	575 (2.3)	20 (0.9)	551 (3.8)	5 (0.5)	526 (7.6)	10.8 (0.05)
Norway (5)	74 (1.0)	564 (2.3)	21 (0.8)	552 (3.8)	5 (0.4)	524 (6.5)	10.6 (0.05)
Georgia	74 (1.4)	497 (2.8)	18 (1.0)	484 (4.0)	8 (0.6)	439 (5.9)	10.9 (0.06)
Egypt	73 (2.0)	337 (5.9)	18 (1.5)	325 (8.1)	9 (1.0)	294 (13.5)	10.9 (0.10)
Poland	72 (1.0)	573 (2.0)	20 (0.8)	550 (3.6)	7 (0.5)	523 (6.4)	10.7 (0.04)
Azerbaijan	72 (1.2)	483 (4.2)	20 (0.8)	469 (4.1)	8 (0.6)	429 (6.7)	10.9 (0.06)
Sweden	71 (1.0)	562 (2.7)	23 (0.7)	547 (2.9)	6 (0.5)	526 (6.3)	10.5 (0.05)
Denmark	67 (1.2)	552 (2.2)	27 (0.9)	543 (3.4)	7 (0.6)	526 (5.3)	10.3 (0.05)
Iran, Islamic Rep. of	66 (1.9)	430 (4.8)	23 (1.2)	430 (7.4)	10 (1.0)	417 (6.6)	10.6 (0.11)
France	66 (1.2)	518 (2.2)	26 (0.9)	506 (3.8)	8 (0.6)	476 (5.3)	10.4 (0.06)
Chile	64 (1.2)	506 (2.4)	23 (0.9)	493 (3.7)	13 (0.8)	448 (4.7)	10.3 (0.05)
Austria	63 (1.0)	549 (2.4)	27 (0.9)	535 (3.3)	11 (0.6)	512 (4.0)	10.2 (0.04)
Czech Republic	62 (1.0)	549 (2.5)	28 (0.8)	541 (2.5)	10 (0.5)	517 (4.5)	10.3 (0.04)
Chinese Taipei	62 (1.1)	565 (2.4)	27 (0.8)	554 (2.7)	11 (0.5)	540 (3.8)	10.3 (0.05)
Portugal	60 (1.0)	533 (2.5)	28 (0.9)	525 (2.9)	12 (0.7)	509 (4.4)	10.2 (0.05)
Hungary	60 (1.2)	563 (3.1)	31 (0.9)	546 (3.8)	9 (0.7)	524 (5.8)	10.0 (0.04)
Hong Kong SAR	60 (1.4)	575 (2.6)	29 (1.1)	563 (4.2)	11 (0.7)	551 (4.8)	10.0 (0.05)
Lithuania	60 (1.4)	560 (2.8)	30 (1.1)	537 (4.0)	11 (0.7)	519 (4.8)	10.0 (0.06)
Northern Ireland	59 (1.3)	576 (2.6)	29 (1.0)	557 (2.9)	11 (0.8)	531 (5.7)	10.0 (0.06)
Netherlands	58 (1.1)	548 (2.0)	31 (0.9)	546 (2.3)	10 (0.6)	525 (3.7)	9.9 (0.04)
Germany	57 (1.1)	553 (2.9)	32 (0.9)	537 (2.8)	11 (0.6)	510 (5.7)	10.0 (0.04)
Slovak Republic	57 (1.2)	543 (3.4)	29 (1.1)	534 (3.5)	14 (0.8)	502 (6.1)	10.0 (0.05)
Morocco	57 (1.8)	373 (4.1)	29 (1.0)	347 (5.2)	14 (1.0)	325 (7.5)	10.1 (0.08)
Bulgaria	56 (1.8)	561 (5.0)	30 (1.2)	546 (4.3)	14 (1.0)	528 (6.6)	9.9 (0.07)
Slovenia	56 (1.1)	548 (2.3)	29 (0.8)	546 (2.6)	15 (0.7)	517 (4.4)	9.8 (0.04)
United States	56 (1.2)	561 (3.4)	30 (0.9)	549 (3.3)	15 (0.7)	521 (4.6)	9.9 (0.05)
Italy	55 (1.0)	554 (2.5)	31 (0.8)	544 (2.9)	14 (0.7)	538 (3.9)	9.9 (0.04)
Spain	54 (0.8)	536 (1.4)	31 (0.7)	524 (2.6)	15 (0.6)	506 (4.2)	9.9 (0.03)
Malta	54 (0.7)	468 (2.0)	30 (0.7)	445 (3.5)	16 (0.5)	418 (5.0)	9.8 (0.03)
Saudi Arabia	53 (1.8)	453 (4.5)	25 (1.1)	432 (5.5)	22 (1.3)	385 (6.9)	9.9 (0.09)
Belgium (Flemish)	52 (1.2)	531 (2.3)	34 (1.0)	523 (2.6)	13 (0.6)	508 (3.0)	9.7 (0.05)
England	52 (1.2)	569 (2.3)	33 (0.9)	558 (2.5)	15 (0.7)	531 (3.8)	9.7 (0.04)
Russian Federation	52 (1.4)	588 (2.7)	34 (1.1)	578 (2.6)	14 (0.8)	565 (3.5)	9.8 (0.06)
Singapore	50 (0.7)	590 (3.2)	33 (0.7)	572 (3.2)	16 (0.5)	543 (4.8)	9.6 (0.03)
Canada	50 (0.8)	554 (1.9)	33 (0.7)	539 (2.1)	16 (0.7)	521 (3.3)	9.7 (0.03)
Oman	48 (1.7)	437 (4.1)	32 (1.0)	417 (3.7)	20 (1.0)	387 (4.5)	9.7 (0.08)
Kuwait	47 (1.8)	410 (4.2)	37 (1.5)	391 (5.8)	16 (0.9)	367 (8.8)	9.6 (0.07)
Australia	46 (1.1)	557 (3.4)	35 (1.0)	544 (2.7)	19 (0.7)	519 (4.6)	9.5 (0.04)
Latvia	44 (1.2)	568 (2.2)	35 (1.0)	559 (2.3)	20 (0.9)	534 (3.1)	9.4 (0.04)
United Arab Emirates	43 (0.8)	477 (3.5)	32 (0.5)	454 (4.0)	25 (0.7)	408 (4.4)	9.4 (0.04)
Qatar	43 (1.3)	469 (2.3)	32 (0.6)	448 (3.0)	26 (0.9)	402 (4.2)	9.4 (0.06)
Macao SAR	42 (0.7)	555 (1.5)	42 (0.7)	541 (1.6)	16 (0.6)	532 (3.4)	9.3 (0.02)
Belgium (French)	42 (1.1)	505 (3.0)	38 (0.8)	497 (2.7)	20 (0.9)	484 (4.2)	9.3 (0.04)
New Zealand	40 (1.0)	541 (2.9)	36 (0.7)	525 (3.0)	24 (0.8)	494 (3.4)	9.2 (0.04)
Trinidad and Tobago	37 (1.5)	494 (3.6)	36 (1.0)	478 (4.2)	27 (1.4)	462 (4.7)	9.2 (0.07)
Bahrain	36 (1.1)	470 (3.3)	32 (0.7)	451 (3.5)	32 (1.0)	417 (3.4)	9.1 (0.05)
South Africa	22 (0.8)	349 (5.9)	35 (0.7)	332 (4.4)	42 (1.0)	299 (4.5)	8.4 (0.04)
Israel	--	--	--	--	--	--	--
International Avg.	57 (0.2)	521 (0.4)	29 (0.1)	507 (0.5)	14 (0.1)	482 (0.8)	

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

This PIRLS questionnaire scale was established in 2016 based on the combined response distribution of all countries that participated in PIRLS 2016. 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.

Exhibit 7.3: Student Bullying (Continued)

Country	Almost Never		About Monthly		About Weekly		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
Benchmarking Participants							
Norway (4)	69 (1.1)	522 (2.2)	24 (1.0)	513 (3.1)	7 (0.5)	492 (4.7)	10.5 (0.05)
Denmark (3)	58 (1.1)	510 (3.0)	32 (1.0)	495 (3.4)	10 (0.7)	471 (6.3)	10.1 (0.05)
Madrid, Spain	56 (1.2)	554 (2.3)	31 (0.9)	547 (2.5)	13 (0.6)	531 (3.1)	10.0 (0.05)
Quebec, Canada	55 (1.5)	553 (3.2)	33 (1.2)	546 (3.5)	13 (0.9)	531 (4.4)	9.9 (0.06)
Andalusia, Spain	53 (1.2)	533 (2.4)	32 (0.9)	518 (2.4)	15 (0.8)	511 (3.3)	9.9 (0.05)
Dubai, UAE	48 (1.2)	532 (2.2)	32 (0.6)	518 (2.4)	20 (0.9)	478 (4.0)	9.6 (0.04)
Moscow City, Russian Fed.	47 (1.2)	621 (2.4)	35 (0.8)	609 (2.3)	18 (0.9)	596 (3.7)	9.5 (0.05)
Ontario, Canada	47 (1.3)	557 (3.6)	35 (1.6)	541 (3.7)	18 (1.3)	521 (4.6)	9.5 (0.05)
Buenos Aires, Argentina	45 (1.2)	494 (3.5)	36 (1.0)	486 (3.6)	18 (0.7)	453 (4.4)	9.6 (0.05)
Abu Dhabi, UAE	38 (1.7)	444 (6.2)	32 (1.0)	424 (5.6)	30 (1.7)	376 (6.0)	9.1 (0.09)
Eng/Afr/Zulu - RSA (5)	27 (1.6)	439 (6.4)	39 (1.1)	413 (6.5)	34 (1.7)	379 (6.1)	8.7 (0.07)

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

