

**Exhibit 7.5: Student Bullying**

*Reported by Students*

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 9.6, 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 8.0, 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	
Korea, Rep. of	76 (1.0)	608 (2.3)	20 (0.8)	609 (3.5)	4 (0.4)	604 (6.9)	11.0 (0.05)
Kazakhstan	75 (1.1)	549 (4.6)	18 (0.8)	539 (7.0)	7 (0.6)	517 (7.5)	11.1 (0.07)
Ireland	73 (1.2)	555 (2.2)	20 (1.0)	538 (3.7)	6 (0.4)	496 (5.9)	10.8 (0.06)
Croatia	73 (1.2)	507 (1.8)	19 (0.9)	493 (3.7)	8 (0.6)	485 (4.9)	10.8 (0.06)
Georgia	73 (1.1)	476 (3.3)	18 (0.7)	459 (4.7)	9 (0.7)	413 (7.8)	10.8 (0.05)
Serbia	73 (1.0)	522 (3.9)	19 (0.9)	523 (5.2)	8 (0.5)	488 (6.8)	10.9 (0.05)
Poland	73 (1.0)	540 (2.1)	19 (0.8)	531 (3.8)	8 (0.5)	502 (5.5)	10.7 (0.05)
Finland	71 (1.2)	540 (1.9)	22 (0.9)	531 (3.3)	7 (0.5)	504 (5.4)	10.5 (0.05)
Norway (5)	70 (1.3)	554 (2.6)	23 (1.0)	543 (3.2)	7 (0.6)	521 (6.9)	10.5 (0.05)
Japan	68 (1.3)	598 (2.0)	23 (1.0)	588 (3.1)	8 (0.6)	566 (6.1)	10.6 (0.05)
France	65 (1.2)	492 (2.9)	26 (1.0)	486 (4.0)	8 (0.6)	467 (6.4)	10.4 (0.05)
Sweden	65 (1.3)	526 (2.8)	28 (1.1)	512 (6.3)	7 (0.5)	482 (6.4)	10.3 (0.05)
Northern Ireland	64 (1.5)	578 (3.0)	27 (1.1)	568 (4.4)	10 (0.7)	529 (7.2)	10.3 (0.06)
Chile	60 (1.3)	468 (2.6)	24 (0.9)	460 (3.6)	16 (0.8)	426 (4.2)	10.1 (0.06)
Czech Republic	60 (1.1)	535 (2.5)	28 (0.9)	526 (3.2)	12 (0.7)	501 (4.2)	10.2 (0.05)
Netherlands	59 (1.4)	533 (1.9)	31 (0.9)	531 (2.4)	10 (0.9)	512 (3.5)	10.0 (0.05)
Hungary	58 (1.3)	541 (3.1)	31 (1.1)	523 (3.4)	11 (0.7)	489 (8.7)	10.0 (0.05)
Chinese Taipei	58 (1.1)	602 (1.9)	29 (1.0)	593 (3.0)	13 (0.7)	583 (4.2)	10.1 (0.04)
Denmark	58 (1.2)	546 (3.0)	32 (0.9)	536 (3.4)	10 (0.7)	514 (4.4)	10.0 (0.05)
Slovenia	58 (1.0)	526 (2.1)	29 (0.9)	521 (2.6)	14 (0.8)	499 (3.4)	10.0 (0.05)
Turkey	57 (1.1)	500 (3.2)	28 (0.8)	481 (3.4)	14 (0.7)	428 (5.8)	10.1 (0.05)
Germany	57 (1.3)	531 (2.2)	30 (0.9)	526 (2.5)	13 (0.7)	503 (4.2)	10.0 (0.05)
Slovak Republic	57 (1.1)	507 (3.0)	30 (0.8)	494 (3.1)	13 (0.7)	472 (5.6)	10.1 (0.06)
Portugal	57 (1.0)	547 (2.3)	29 (0.9)	542 (3.1)	15 (0.9)	521 (4.6)	10.0 (0.04)
Lithuania	56 (1.3)	547 (2.7)	31 (1.0)	530 (3.2)	13 (0.7)	502 (4.9)	9.9 (0.05)
United States	56 (0.8)	550 (2.5)	29 (0.5)	540 (2.5)	15 (0.5)	510 (3.5)	9.9 (0.04)
Cyprus	55 (1.2)	534 (3.0)	29 (1.0)	523 (3.1)	16 (0.8)	497 (3.9)	9.9 (0.06)
Hong Kong SAR	54 (1.4)	618 (3.1)	32 (1.1)	613 (3.4)	14 (0.9)	603 (4.6)	9.9 (0.05)
England	54 (1.3)	553 (3.4)	31 (1.1)	546 (3.4)	15 (0.8)	522 (5.2)	9.8 (0.05)
Bulgaria	54 (1.9)	539 (5.5)	30 (1.1)	519 (4.8)	16 (1.1)	494 (6.9)	9.9 (0.08)
Canada	53 (0.9)	520 (2.3)	30 (0.6)	513 (2.2)	17 (0.8)	486 (3.4)	9.7 (0.04)
Jordan	52 (1.8)	411 (4.1)	26 (1.1)	395 (4.1)	21 (1.4)	339 (5.0)	9.8 (0.09)
Russian Federation	51 (1.3)	571 (3.3)	33 (0.9)	564 (4.7)	16 (0.6)	544 (5.2)	9.8 (0.05)
Italy	50 (1.0)	512 (2.8)	35 (0.9)	507 (3.2)	15 (0.7)	494 (4.7)	9.6 (0.04)
Iran, Islamic Rep. of	50 (1.6)	434 (4.4)	32 (0.9)	439 (4.2)	18 (1.1)	419 (7.0)	9.7 (0.07)
Spain	48 (1.0)	512 (2.8)	33 (0.6)	504 (3.0)	19 (0.8)	491 (3.7)	9.6 (0.05)
Kuwait	48 (1.2)	359 (3.4)	31 (0.8)	356 (6.5)	21 (0.9)	338 (8.3)	9.7 (0.06)
Saudi Arabia	47 (1.7)	405 (4.6)	27 (1.1)	386 (5.3)	26 (1.3)	356 (5.0)	9.5 (0.08)
Singapore	47 (0.9)	631 (3.8)	34 (0.6)	618 (4.0)	19 (0.7)	585 (5.3)	9.5 (0.03)
Belgium (Flemish)	47 (1.3)	547 (2.4)	36 (0.9)	550 (2.5)	17 (0.8)	532 (3.6)	9.6 (0.05)
Australia	45 (1.3)	529 (3.7)	36 (1.1)	518 (2.9)	20 (1.1)	490 (5.5)	9.4 (0.05)
Morocco	44 (1.5)	395 (4.0)	35 (1.1)	381 (4.1)	21 (1.0)	348 (5.7)	9.5 (0.06)
Indonesia	44 (1.4)	402 (4.1)	31 (1.0)	406 (4.1)	25 (1.0)	389 (5.0)	9.4 (0.07)
Qatar	43 (1.2)	457 (3.5)	28 (0.8)	449 (4.9)	28 (1.0)	408 (4.7)	9.3 (0.06)
United Arab Emirates	43 (1.0)	469 (3.0)	31 (0.5)	458 (3.1)	26 (0.8)	420 (3.4)	9.4 (0.05)
Oman	42 (1.6)	436 (3.1)	33 (1.0)	430 (3.3)	25 (1.0)	406 (3.7)	9.4 (0.06)
New Zealand	40 (1.0)	503 (3.1)	36 (0.7)	496 (2.7)	24 (0.7)	467 (3.5)	9.2 (0.04)
Bahrain	34 (0.7)	468 (1.8)	33 (0.6)	457 (2.5)	33 (0.7)	432 (2.4)	9.0 (0.03)
South Africa (5)	23 (1.0)	419 (6.2)	34 (0.9)	391 (3.5)	44 (1.5)	347 (3.9)	8.5 (0.05)
International Avg.	56 (0.2)	514 (0.5)	29 (0.1)	505 (0.5)	16 (0.1)	478 (0.8)	

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. An “r” indicates data are available for at least 70% but less than 85% of the students.

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

**Exhibit 7.5: 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	
<b>Benchmarking Participants</b>							
Norway (4)	70 (1.2)	499 (2.3)	21 (0.9)	488 (3.6)	9 (0.6)	465 (7.1)	10.6 (0.05)
Florida, US	56 (1.6)	558 (5.7)	28 (1.1)	544 (5.1)	16 (1.0)	517 (6.1)	10.0 (0.07)
Quebec, Canada	54 (1.6)	541 (4.3)	31 (1.1)	538 (4.3)	14 (1.2)	515 (6.5)	9.9 (0.07)
Ontario, Canada	52 (1.3)	521 (2.3)	31 (0.8)	513 (3.2)	17 (1.2)	490 (4.0)	9.7 (0.05)
Buenos Aires, Argentina	50 (1.2)	445 (3.1)	29 (0.8)	444 (4.1)	21 (0.7)	413 (3.9)	9.6 (0.05)
Dubai, UAE	46 (1.3)	523 (2.1)	32 (0.9)	514 (2.8)	22 (1.0)	484 (3.5)	9.5 (0.06)
Abu Dhabi, UAE	39 (2.0)	439 (7.1)	31 (1.0)	430 (6.2)	30 (1.6)	388 (6.7)	9.1 (0.10)

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

