

## Exhibit 5.1: Home Socioeconomic Status

Students' Results based on Parents' Reports

## Assessed Fourth Grade Students at the End of the School Year

⊞ Assessed one year later than originally scheduled

■ Delayed Assessment of Fourth Grade Cohort at the Beginning of Fifth Grade

Country	Higher Socioeconomic Status		Middle Socioeconomic Status		Lower Socioeconomic Status		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
Norway (5)	57 (1.5)	561 (1.9)	37 (1.2)	522 (2.7)	6 (0.5)	492 (4.2)	11.3 (0.06)
Sweden s	56 (1.2)	580 (3.0)	38 (1.2)	535 (3.1)	6 (0.8)	490 (7.2)	11.3 (0.06)
Denmark	54 (1.2)	562 (2.5)	41 (1.0)	520 (2.7)	5 (0.5)	485 (5.6)	11.2 (0.05)
Finland	50 (1.2)	571 (2.4)	45 (1.1)	538 (2.2)	5 (0.4)	490 (6.9)	11.1 (0.04)
Ireland	49 (1.9)	608 (2.2)	42 (1.6)	564 (2.4)	9 (0.8)	520 (5.5)	11.0 (0.08)
Northern Ireland s	47 (1.4)	604 (3.4)	41 (1.1)	560 (3.3)	11 (0.8)	521 (5.7)	10.9 (0.06)
Israel ⊞	46 (1.7)	549 (2.6)	46 (1.4)	493 (3.6)	9 (0.8)	444 (8.4)	10.8 (0.06)
Germany s	45 (1.7)	569 (2.9)	45 (1.5)	523 (3.2)	10 (0.8)	478 (5.6)	10.9 (0.07)
Malta r	45 (1.6)	549 (3.1)	47 (1.2)	509 (3.0)	8 (0.8)	464 (8.1)	10.8 (0.06)
Singapore	45 (0.9)	624 (2.7)	49 (0.9)	572 (3.3)	6 (0.4)	515 (8.2)	10.9 (0.03)
Cyprus	44 (1.3)	545 (3.1)	48 (1.1)	497 (2.8)	8 (0.5)	450 (4.9)	10.8 (0.05)
Slovenia	43 (1.0)	548 (2.0)	49 (0.8)	510 (2.1)	8 (0.5)	470 (4.6)	10.7 (0.04)
Poland	43 (1.5)	576 (2.5)	49 (1.2)	536 (2.5)	9 (0.8)	505 (5.3)	10.8 (0.06)
Belgium (French) r	42 (1.4)	531 (3.0)	45 (1.2)	482 (3.2)	13 (0.8)	451 (3.6)	10.7 (0.07)
Hungary r	42 (1.6)	582 (3.4)	42 (1.2)	537 (3.2)	17 (1.3)	462 (6.4)	10.6 (0.08)
Czech Republic	41 (1.3)	574 (2.4)	51 (1.2)	531 (2.3)	8 (0.8)	485 (5.0)	10.8 (0.05)
Austria	41 (1.5)	568 (2.6)	48 (1.3)	517 (2.0)	11 (0.6)	470 (4.2)	10.8 (0.06)
Latvia	39 (1.5)	553 (4.1)	51 (1.4)	521 (3.5)	11 (1.1)	487 (5.9)	10.6 (0.06)
Belgium (Flemish)	38 (1.4)	541 (2.7)	48 (1.0)	504 (2.5)	13 (0.8)	475 (3.8)	10.5 (0.06)
Chinese Taipei	38 (1.3)	569 (1.9)	48 (0.9)	537 (2.4)	14 (0.9)	502 (4.4)	10.5 (0.06)
Spain	38 (1.4)	550 (3.0)	46 (1.1)	514 (2.1)	16 (0.8)	488 (3.9)	10.4 (0.06)
France	37 (1.4)	553 (2.6)	51 (1.2)	505 (2.5)	12 (0.7)	462 (4.9)	10.5 (0.06)
Hong Kong SAR	36 (1.8)	592 (2.5)	46 (1.2)	572 (2.9)	18 (1.2)	545 (4.3)	10.4 (0.08)
Bulgaria	34 (1.3)	589 (2.7)	40 (1.3)	545 (3.1)	25 (1.2)	469 (6.7)	9.9 (0.07)
Georgia	34 (1.2)	521 (3.0)	54 (1.1)	489 (3.0)	12 (0.9)	451 (7.0)	10.5 (0.05)
Slovak Republic	32 (1.4)	566 (2.4)	48 (1.5)	532 (2.7)	20 (1.8)	474 (9.0)	10.1 (0.08)
Russian Federation	31 (1.6)	596 (2.7)	58 (1.6)	561 (4.0)	11 (1.2)	521 (6.8)	10.4 (0.06)
Italy	29 (1.4)	568 (2.8)	50 (1.1)	537 (1.9)	21 (1.2)	504 (3.1)	10.1 (0.06)
Portugal	29 (1.1)	555 (2.8)	47 (0.8)	518 (1.9)	25 (0.9)	488 (3.0)	9.9 (0.05)
Serbia	29 (1.4)	553 (2.7)	49 (1.2)	512 (3.1)	22 (1.6)	469 (5.7)	10.0 (0.07)
Macao SAR	27 (0.6)	557 (2.3)	52 (0.8)	532 (1.5)	21 (0.6)	518 (2.6)	10.0 (0.02)
Croatia	27 (1.3)	590 (2.5)	56 (1.0)	555 (2.6)	17 (1.0)	515 (4.7)	10.1 (0.06)
Montenegro	23 (0.7)	521 (2.6)	56 (0.7)	489 (2.0)	21 (0.6)	448 (2.9)	9.9 (0.03)
United Arab Emirates s	23 (0.7)	563 (2.9)	64 (0.7)	496 (2.4)	13 (0.5)	408 (4.5)	10.1 (0.03)
Qatar r	20 (1.5)	539 (5.4)	65 (1.7)	495 (4.6)	15 (1.2)	434 (6.6)	10.0 (0.06)
Bahrain	19 (1.0)	524 (5.4)	57 (1.0)	464 (3.4)	24 (0.8)	408 (5.1)	9.6 (0.04)
North Macedonia	19 (1.5)	491 (5.3)	48 (1.5)	456 (4.3)	33 (2.2)	399 (6.4)	9.4 (0.10)
Kosovo	16 (1.7)	472 (5.6)	48 (1.4)	427 (3.2)	36 (1.7)	392 (3.5)	9.2 (0.09)
Turkiye	15 (1.0)	564 (3.8)	46 (1.3)	516 (2.8)	40 (1.8)	454 (4.7)	9.1 (0.09)
Kazakhstan	11 (0.7)	532 (4.6)	71 (1.0)	505 (2.8)	18 (0.9)	482 (3.9)	9.7 (0.03)
Oman	11 (0.6)	480 (6.1)	61 (1.1)	441 (3.9)	28 (1.1)	387 (5.1)	9.4 (0.04)
Albania	10 (0.8)	574 (4.5)	35 (1.2)	531 (3.4)	56 (1.5)	492 (3.6)	8.4 (0.07)
Saudi Arabia r	8 (0.6)	489 (6.6)	62 (1.6)	460 (3.3)	30 (1.7)	435 (6.2)	9.2 (0.05)
Azerbaijan	8 (0.7)	486 (6.9)	48 (1.1)	452 (4.1)	44 (1.3)	419 (4.3)	8.9 (0.05)
Iran, Islamic Rep. of ⊞	7 (0.9)	493 (6.2)	37 (1.4)	445 (3.8)	55 (1.8)	381 (5.8)	8.4 (0.08)
Uzbekistan	6 (0.6)	474 (5.9)	55 (1.2)	445 (2.9)	39 (1.5)	421 (3.3)	8.9 (0.05)
Brazil ⊞	5 (0.6)	546 (10.1)	31 (1.2)	474 (5.0)	64 (1.4)	390 (6.5)	8.1 (0.07)
South Africa ⊞ r	5 (0.6)	445 (16.0)	34 (1.0)	334 (6.8)	61 (1.1)	265 (4.2)	8.2 (0.05)
Jordan	4 (0.6)	457 (12.8)	48 (1.4)	403 (5.7)	47 (1.5)	352 (6.3)	8.6 (0.05)
Egypt	4 (0.4)	415 (13.2)	42 (1.4)	398 (5.0)	54 (1.5)	365 (7.0)	8.4 (0.05)
Morocco	3 (0.3)	426 (18.4)	22 (1.0)	401 (5.6)	76 (1.0)	364 (5.1)	7.1 (0.06)
<b>International Average</b>	<b>30 (0.2)</b>	<b>543 (0.8)</b>	<b>48 (0.2)</b>	<b>501 (0.5)</b>	<b>22 (0.2)</b>	<b>457 (0.8)</b>	
New Zealand x	55 (1.5)	566 (3.2)	38 (1.4)	516 (4.5)	7 (0.7)	482 (7.5)	11.3 (0.06)
Netherlands x	49 (1.5)	559 (3.0)	43 (1.4)	530 (3.5)	7 (0.8)	497 (6.8)	11.0 (0.06)
Lithuania y	--	--	--	--	--	--	--
Australia ⊞	--	--	--	--	--	--	--
England ⊞	--	--	--	--	--	--	--
United States	--	--	--	--	--	--	--
<b>Benchmarking Participants</b>							
Moscow City, Russian Federation	63 (1.3)	609 (2.1)	35 (1.2)	581 (2.4)	2 ~	~ ~	11.6 (0.05)
Newfoundland & Labrador, Canada s	58 (2.1)	548 (4.5)	40 (2.1)	514 (4.0)	2 ~	~ ~	11.4 (0.06)
British Columbia, Canada s	56 (2.5)	569 (4.2)	40 (2.0)	540 (4.0)	4 (1.0)	507 (11.0)	11.4 (0.10)
Alberta, Canada s	52 (2.0)	575 (3.0)	45 (1.8)	543 (3.9)	3 (0.5)	500 (17.3)	11.2 (0.08)
Quebec, Canada r	50 (1.9)	574 (3.5)	46 (1.6)	548 (3.5)	4 (0.5)	526 (7.5)	11.1 (0.06)
Abu Dhabi, UAE s	22 (0.9)	542 (5.2)	63 (0.9)	467 (4.1)	15 (0.7)	357 (7.3)	10.0 (0.03)
South Africa (6) ⊞	5 (0.6)	488 (17.3)	37 (1.0)	425 (5.9)	58 (1.2)	359 (4.8)	8.3 (0.05)
Dubai, UAE x	38 (1.1)	607 (2.7)	55 (1.1)	551 (3.0)	7 (0.4)	456 (5.8)	10.7 (0.03)

This PIRLS context questionnaire scale was established in 2021 based on the combined response distribution of PIRLS 2021 participating countries that assessed fourth grade students at the end of the school year in 2020 or 2021. 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.

An "s" indicates data are available for at least 50% but less than 70% of the students.

An "x" indicates data are available for at least 40% but less than 50% of the students—interpret with caution.

A "y" indicates data are available for less than 40% of the students.

A tilde (~) indicates insufficient data to report result. A dash (-) indicates comparable data not available.

**Exhibit 5.1: Home Socioeconomic Status***Students' Results based on Parents' Reports***About the Scale**

Students were scored according to their parents' reports regarding the four indicators on the *Home Socioeconomic Status* scale. Cut scores divide the scale into three categories. Students with **Higher** socioeconomic status had a score at or above the cut score corresponding to their parents reporting they had more than 25 books and more than 25 children's books in their home, that at least one parent finished university, and that at least one parent had a professional occupation, on average. Students with **Lower** socioeconomic status had a score at or below the cut score corresponding to their parents reporting they had 25 or fewer books and 25 or fewer children's books in the home, that neither parent had gone beyond upper secondary education, and that neither parent was a small business owner or worked in a clerical or professional occupation, on average. All other students had **Middle** socioeconomic status.

**Number of books in the home:**

- 1) 0–10
- 2) 11–25
- 3) 26–100
- 4) 101–200
- 5) More than 200

**Number of children's books in the home:**

- 1) 0–10
- 2) 11–25
- 3) 26–50
- 4) 51–100
- 5) More than 100

**Highest level of education of either parent:**

- 1) Finished some primary or lower secondary or did not go to school
- 2) Finished lower secondary
- 3) Finished upper secondary
- 4) Finished post-secondary education
- 5) Finished university or higher

**Highest level of occupation of either parent:**

- 1) Has never worked outside home for pay, general laborer, or semi-professional (skilled agricultural or fishery worker, craft or trade worker, plant or machine operator)
- 2) Clerical (clerk or service or sales worker)
- 3) Small business owner
- 4) Professional (corporate manager or senior official, professional, or technician or associate professional)

