

Exhibit 4.1 and 4.2: Home Resources for Learning

The *Home Resources for Learning* scale combines data reported by students and their parents. The parents' data were collected using the PIRLS 2016 Learning to Read Survey in which students' parents were asked to provide information about their child's experiences learning to read. As explained in Exhibit 4.1, students provided information about the number of books in the home and other study supports, while the parents provided information about the number of children's books, the parents' levels of education, and their occupations. As also explained, students were assigned a score on the scale according to the availability of these five home resources for learning.

The PIRLS 2016 results add to the already extensive amounts of research showing a powerful positive relationship between students' socioeconomic environment and their educational achievement.

In Exhibit 4.1, countries are ordered by the percentage of students in the **Many Resources** category. However, on average, almost three-fourths of the students (73%) were assigned to the **Some Resources** category. Twenty percent were in the **Many Resources** category and 7 percent were in the **Few Resources** category, with a 140-point difference in their average reading achievement (572 vs. 432). Average reading achievement for the students in the **Some Resources** category was in between, at 509 points. The scatterplot on the third page of the exhibit shows the relationship between average reading achievement and home resources for learning for each country.

Exhibit 4.2 presents information about students' access to digital devices in the home. The percentages of students with **High**, **Medium**, and **Low Access** mirror the percentages with **Many**, **Some**, and **Few Resources**. There was a 122-point difference in average reading across the categories of digital access (536 vs. 414), with very low average achievement for those having low access.



Exhibit 4.1: Home Resources for Learning

Students Categorized by Parents' and Students' Reports

Students were scored according to their own and their parents' responses concerning the availability of five resources on the Home Resources for Learning scale. Students with Many Resources had a score of at least 11.8, which is the point on the scale corresponding to students reporting they had more than 100 books in the home and both of the home study supports, and parents reporting that they had more than 25 children's books in the home, that at least one parent had finished university, and that at least one parent had a professional occupation, on average. Students with Few Resources had a score no higher than 7.5, which is the scale point corresponding to students reporting that they had 25 or fewer books in the home and neither of the home study supports, and parents reporting that they had 10 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 had a clerical or professional occupation, on average. All other students were assigned to the **Some Resources** category.

· 2			lesources		esources	Few R	esources		Difference
Country		Percent	Average	Percent	Average	Percent	Average	Average	Average Scale
country		of Students	Achievement	of Students	Achievement	of Students		Scale Score	
N							Achievement	11 4 (0.04)	from 201
Norway (5)		45 (1.2)	581 (2.3)	54 (1.2)	544 (2.5)	1 (0.1)	~ ~	11.4 (0.04)	
Sweden	r	43 (1.7)	586 (2.3)	56 (1.7)	542 (2.7)	1 (0.1)	~ ~	11.4 (0.05)	r 0.0 (0.08)
Denmark		41 (1.4)	575 (2.2)	58 (1.4)	535 (2.5)	1 (0.2)	~ ~	11.3 (0.05)	0.0 (0.07)
Finland		37 (1.2)	594 (2.0)	63 (1.1)	555 (2.0)	0 (0.1)	~ ~	11.2 (0.03)	0.0 (0.06)
Canada	r	35 (1.0)	579 (1.9)	65 (1.0)	536 (1.9)	1 (0.1)	~ ~	11.2 (0.03)	r -0.2 (0.05)
Ireland		33 (1.4)	607 (2.5)	66 (1.4)	555 (2.2)	1 (0.3)	~ ~	11.0 (0.05)	0.2 (0.08)
Netherlands	S		577 (2.5)	67 (1.5)	541 (2.5)	0 (0.1)	~ ~	11.0 (0.05)	s 0.2 (0.08)
Belgium (French)		30 (1.3)	540 (2.5)	67 (1.2)	486 (3.0)	4 (0.4)	439 (7.5)	10.7 (0.05)	0.0 (0.10)
Singapore		29 (0.9)	624 (3.3)	69 (0.8)	562 (3.3)	2 (0.2)	~ ~	10.9 (0.03)	0.2 (0.05)
Hungary		28 (1.7)	603 (2.8)	65 (1.7)	543 (2.5)	6 (0.8)	467 (6.6)	10.6 (0.09)	0.5 (0.13)
Belgium (Flemish)		27 (1.2)	560 (2.1)	71 (1.1)	519 (1.9)	2 (0.3)	~ ~	10.8 (0.05)	
Germany	S	()	591 (3.4)	74 (1.5)	539 (2.8)	1 (0.2)	~ ~	10.8 (0.06)	s 0.1 (0.09)
France		24 (1.3)	552 (3.5)	73 (1.3)	505 (2.1)	2 (0.3)	~ ~	10.6 (0.05)	0.0 (0.08)
Malta		23 (0.7)	486 (2.9)	76 (0.7)	455 (2.0)	1 (0.2)	~ ~	10.7 (0.02)	r 0.6 (0.03)
Israel		22 (1.3)	588 (3.0)	76 (1.3)	523 (2.9)	1 (0.2)	~ ~	10.9 (0.06)	r 0.1 (0.08)
Austria		22 (1.2)	584 (2.8)	77 (1.1)	533 (2.2)	2 (0.2)	~ ~	10.6 (0.05)	0.2 (0.08)
Slovenia		22 (1.1)	587 (2.6)	77 (1.1)	534 (2.1)	1 (0.2)	~ ~	10.6 (0.04)	0.2 (0.06)
Czech Republic		21 (1.2)	587 (2.0)	77 (1.2)	536 (1.8)	2 (0.3)	~ ~	10.5 (0.05)	0.0 (0.07)
Poland		21 (0.9)	605 (3.1)	76 (1.0)	556 (2.1)	3 (0.4)	509 (10.1)	10.4 (0.05)	
Chinese Taipei		21 (1.3)	593 (2.8)	74 (1.2)	553 (1.9)	5 (0.4)	513 (6.7)	10.3 (0.06)	0.1 (0.08)
Hong Kong SAR		21 (1.8)	579 (4.9)	74 (1.8)	568 (3.0)	5 (0.5)	553 (7.3)	10.3 (0.08)	0.5 (0.11)
Latvia		21 (1.0)	589 (2.4)	77 (1.0)	552 (1.8)	2 (0.3)	~ ~	10.6 (0.04)	
Spain		19 (0.7)	565 (1.8)	77 (0.8)	526 (1.7)	4 (0.5)	476 (5.1)	10.3 (0.04)	0.0 (0.07)
Portugal		18 (1.0)	568 (4.2)	76 (0.9)	523 (2.2)	6 (0.5)	487 (4.3)	10.1 (0.05)	0.2 (0.08)
Lithuania		16 (1.0)	594 (3.5)	81 (1.1)	543 (2.6)	3 (0.6)	466 (8.1)	10.2 (0.05)	0.4 (0.07)
Slovak Republic		16 (0.9)	592 (3.4)	77 (1.4)	539 (2.2)	8 (1.1)	397 (13.5)	10.1 (0.05)	0.1 (0.08)
Bulgaria		15 (1.1)	610 (3.9)	71 (1.8)	558 (3.4)	14 (1.8)	466 (10.3)	9.8 (0.09)	0.4 (0.15)
Russian Federation		14 (0.8)	618 (3.2)	84 (0.8)	576 (2.2)	2 (0.3)	~ ~	10.3 (0.04)	-0.1 (0.06)
United Arab Emirates		12 (0.5)	539 (4.7)	85 (0.5)	450 (3.0)	3 (0.2)	369 (8.3)	10.2 (0.03)	0.2 (0.05)
Georgia		12 (0.9)	529 (4.3)	82 (1.2)	488 (2.9)	6 (0.9)	439 (7.9)	10.0 (0.05)	0.1 (0.09)
Qatar	r	11 (0.5)	519 (3.9)	86 (0.6)	449 (2.0)	3 (0.3)	363 (8.6)	10.2 (0.02)	r 0.0 (0.05)
Macao SAR		11 (0.4)	581 (3.7)	81 (0.6)	542 (1.1)	7 (0.4)	530 (3.4)	9.8 (0.02)	
Trinidad and Tobago	r	10 (0.8)	554 (5.1)	86 (0.9)	480 (3.6)	4 (0.4)	430 (10.2)	10.0 (0.04)	r 0.2 (0.07)
Italy		8 (0.8)	595 (3.3)	86 (0.9)	550 (2.2)	6 (0.6)	507 (6.2)	9.7 (0.05)	0.0 (0.07)
Bahrain		8 (0.6)	519 (6.2)	87 (0.6)	447 (2.7)	5 (0.4)	388 (7.2)	9.8 (0.03)	0.0 (0.07)
Kazakhstan		8 (0.9)	573 (7.1)	88 (1.0)	534 (2.3)	4 (0.6)	516 (7.4)	9.9 (0.05)	
Chile		6 (0.4)	557 (4.4)	85 (0.8)	497 (2.6)	10 (0.7)	461 (6.8)	9.3 (0.05)	
Oman		5 (0.4)	505 (7.8)	81 (0.7)	437 (2.0)	14 (0.6)	368 (4.7)	9.3 (0.03)	0.6 (0.05)
Iran, Islamic Rep. of		4 (0.5)	525 (5.8)	67 (1.4)	427 (3.3)	29 (1.4)	373 (5.4)	8.5 (0.06)	0.6 (0.03)
Kuwait	r		479 (12.3)	92 (0.9)	449 (3.3)	29 (1.4) 5 (0.7)	365 (13.7)	9.6 (0.05)	0.4 (0.11)
Saudi Arabia		2 (0.3)	4/9 (12.3)	85 (1.0)	401 (4.2)	13 (1.1)	418 (11.5)	9.0 (0.03)	0.1 (0.09)
Azerbaijan		2 (0.3)	~ ~	75 (1.0)	436 (4.0)	24 (1.1)	418 (11.3)	8.7 (0.05)	0.1 (0.09)
Morocco		1 (0.1)	~ ~ ~	38 (1.2)	400 (3.0)	61 (1.2)		6.9 (0.06)	
	r						342 (4.8)		
Egypt England		0 (0.1)	~ ~	61 (1.8)	366 (5.4)	38 (1.8)	277 (8.3)	7.9 (0.08)	
England									
United States									
Australia	Х	46 (1.6)	592 (3.4)	53 (1.6)	541 (3.1)	1 (0.2)	~ ~	11.6 (0.06)	x 0.0 (0.08)
Northern Ireland	Х	42 (1.5)	615 (4.3)	57 (1.5)	569 (3.7)	1 (0.2)	~ ~	11.4 (0.05)	x 0.5 (0.09)
New Zealand	Х	39 (1.4)	581 (3.2)	60 (1.4)	522 (3.0)	2 (0.4)	~ ~	11.2 (0.05)	x 0.0 (0.07)
South Africa	Х	1 (0.4)	~ ~	70 (1.5)	354 (6.4)	29 (1.6)	295 (5.6)	8.3 (0.07)	x -0.1 (0.10)

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

Significantly higher than 2011 Significantly lower than 2011 💿



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



Exhibit 4.1: Home Resources for Learning (Continued)

	Many F	lesources	Some R	lesources	Few Resources		A	Average Difference in Average Scale Score	
Country	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Scale Score	Average Scale Score from 2011	
enchmarking Participants									
Norway (4)	44 (1.4)	543 (2.3)	56 (1.4)	501 (2.3)	1 (0.1)	~ ~	11.4 (0.04)	-0.1 (0.07)	
Denmark (3)	41 (1.4)	527 (3.2)	58 (1.4)	488 (3.2)	1 (0.2)	~ ~	11.3 (0.05)		
Moscow City, Russian Fed.	37 (1.7)	633 (2.1)	62 (1.7)	600 (2.2)	0 (0.1)	~ ~	11.3 (0.05)		
Ontario, Canada r	36 (2.0)	580 (3.6)	63 (2.0)	535 (3.3)	0 (0.2)	~ ~	11.2 (0.06)	r -0.1 (0.09)	
Quebec, Canada	31 (1.9)	577 (3.4)	68 (1.9)	540 (2.6)	1 (0.2)	~ ~	11.1 (0.06)	0.0 (0.08)	
Madrid, Spain	30 (1.6)	576 (2.7)	67 (1.5)	543 (1.9)	2 (0.4)	~ ~	10.8 (0.06)		
Dubai, UAE	21 (0.5)	579 (2.4)	77 (0.5)	509 (2.2)	2 (0.1)	~ ~	10.7 (0.02)	0.1 (0.03)	
Andalusia, Spain	15 (1.2)	563 (2.6)	79 (1.1)	526 (1.8)	6 (0.6)	477 (6.4)	10.0 (0.06)	0.2 (0.09)	
Buenos Aires, Argentina s	14 (1.2)	544 (4.5)	79 (1.2)	486 (3.1)	8 (0.6)	432 (6.7)	10.0 (0.07)		
Abu Dhabi, UAE r	10 (0.8)	505 (9.2)	87 (0.9)	420 (4.0)	3 (0.4)	330 (13.5)	10.0 (0.04)	r 0.2 (0.08)	
Eng/Afr/Zulu - RSA (5) s	3 (0.9)	564 (11.0)	75 (1.8)	439 (7.8)	22 (2.0)	370 (5.0)	8.7 (0.11)		

Significantly higher than 2011

Significantly higher than 2011 O Significantly lower than 2011 O

Number of books in the home (students):	Number of children's books in the home (parents):
1) 0-10	1) 0-10
2) 11-25	2) 11-25
3) 26-100	3) 26-50
4) 101-200	4) 51-100
5) More than 200	5) More than 100
Number of home study supports (students):	Highest level of education of either parent (parents):
1) None	1) Finished some primary or lower secondary
2) Internet connection or own room	or did not go to school
3) Both	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 (parents):	
fishery worker, craft or trade worker, plant or mach 2) Clerical (clerk or service or sales worker) 3) Small business owner	al laborer, or semi-professional (skilled agricultural or hine operator) ial, professional, or technician or associate professional)
-) Thessional (corporate manager of senior offici	al, professional, or technician or associate professional
	sources 7.5





Exhibit 4.1: Home Resources for Learning (Continued)

Average Reading Achievement by Home Resources for Learning

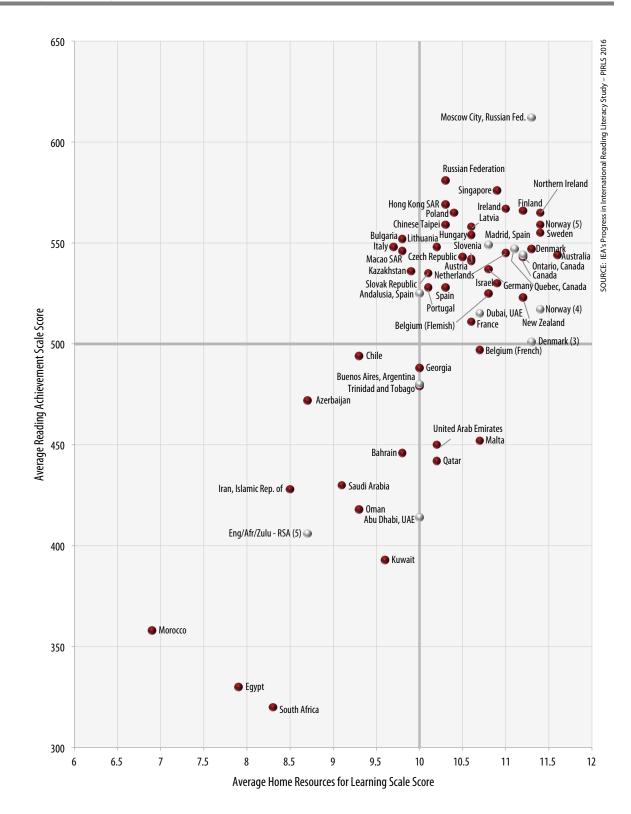


Exhibit 4.2: Digital Devices in the Home

Students Categorized by Parents' and Students' Reports

Students were scored according to their own and their parents' responses concerning the availability of four items on the *Digital Devices in the Home* scale. Students with **High Access** had a score of at least 12.1, which is the point on the scale corresponding to students reporting they had a computer and Internet connection, and parents reporting they had seven or more digital information devices in the home as well as a digital device for reading for both themselves and their child. Students with **Low Access** had a score no higher than 6.0, which is the scale point corresponding to students reporting that they did not have a computer or Internet connection, and parents reporting that they had less than four digital information devices in the home and no digital devices for reading for either themselves or their child. All other students were assigned to the **Medium Access** category.

		High	Access	Mediur	n Access	Low	Average	
Country		Percent	Average	Percent	Average	Percent	Average	Scale Sco
		of Students	Achievement	of Students	Achievement	of Students	Achievement	
Norway (5)		58 (1.0)	566 (2.4)	42 (1.0)	552 (2.7)	0 (0.0)	~ ~	11.8 (0.0
Finland		53 (0.9)	577 (2.0)	47 (0.9)	560 (2.3)	0 (0.0)	~ ~	11.6 (0.
Denmark		49 (1.0)	554 (2.9)	51 (1.0)	546 (2.4)	0 (0.0)	~ ~	11.5 (0.
Sweden		42 (1.2)	567 (2.7)	58 (1.2)	554 (2.8)	0 (0.1)	~ ~	11.3 (0.
Netherlands	S	32 (1.3)	557 (3.4)	68 (1.3)	551 (2.3)	0 (0.0)	~ ~	10.8 (0.
Qatar	r	29 (0.5)	474 (2.5)	69 (0.5)	445 (2.5)	1 (0.1)	~ ~	10.6 (0.
Belgium (Flemish)		29 (0.7)	535 (2.2)	71 (0.7)	526 (2.1)	0 (0.1)	~ ~	10.6 (0.
Hungary		28 (1.2)	575 (3.8)	70 (1.0)	549 (3.0)	2 (0.3)	~ ~	10.6 (0.
Canada	r	28 (0.6)	563 (1.8)	71 (0.6)	545 (2.2)	1 (0.1)	~ ~	10.6 (0.
Kuwait	r	28 (1.1)	411 (5.5)	71 (1.1)	397 (4.5)	1 (0.2)	~ ~	10.6 (0.
United Arab Emirates		26 (0.6)	474 (3.9)	74 (0.6)	451 (3.4)	1 (0.1)	~ ~	10.5 (0.
Ireland		25 (0.8)	580 (3.0)	75 (0.8)	568 (2.4)	0 (0.1)	~ ~	10.4 (0.
Bahrain		24 (0.8)	470 (3.2)	74 (0.7)	444 (2.6)	2 (0.2)	~ ~	10.2 (0.0
Singapore		24 (0.6)	605 (3.1)	76 (0.6)	571 (3.3)	1 (0.1)	~ ~	10.4 (0.
Israel		23 (0.9)	546 (3.4)	76 (0.9)	534 (3.0)	2 (0.3)	~ ~	10.3 (0.
Portugal		21 (0.9)	549 (4.3)	78 (0.9)	524 (2.1)	1 (0.2)	~ ~	10.4 (0.
Trinidad and Tobago	r	21 (1.0)	514 (5.0)	75 (1.0)	481 (3.4)	4 (0.4)	417 (11.7)	10.0 (0.
Spain		20 (0.6)	550 (2.3)	79 (0.6)	526 (1.9)	1 (0.2)	~ ~	10.1 (0.
Bulgaria		19 (0.8)	592 (3.3)	75 (1.0)	549 (4.3)	6 (0.9)	473 (15.8)	9.9 (0.
Malta		19 (0.6)	468 (3.6)	80 (0.6)	457 (1.8)	0 (0.1)	~ ~	10.3 (0.
Poland		19 (0.8)	586 (3.0)	80 (0.8)	561 (2.1)	1 (0.3)	~ ~	10.5 (0.
Lithuania		19 (0.9)	568 (3.7)	79 (0.9)	547 (2.9)	2 (0.4)	~ ~	10.2 (0.
Slovak Republic		17 (0.6)	561 (3.4)	80 (0.7)	536 (3.0)	3 (0.6)	389 (19.9)	10.0 (0.
Austria		17 (0.7)	557 (3.6)	82 (0.7)	540 (2.4)	1 (0.1)	~ ~	9.9 (0.
Latvia		17 (0.6)	572 (3.1)	82 (0.8)	556 (1.9)	1 (0.3)	~ ~	10.2 (0.
Saudi Arabia		17 (0.9)	454 (4.6)	78 (0.9)	432 (4.3)	5 (0.5)	415 (12.2)	9.7 (0.0
Oman		16 (0.6)	452 (5.0)	78 (0.6)	421 (3.4)	6 (0.3)	375 (7.3)	9.5 (0.0
Czech Republic		16 (0.6)	557 (3.1)	83 (0.6)	544 (2.2)	1 (0.2)	~ ~	9.9 (0.
Germany	S	15 (0.7)	558 (3.8)	84 (0.7)	550 (2.7)	1 (0.2)	~ ~	9.7 (0.
Belgium (French)		15 (0.7)	507 (4.3)	84 (0.7)	499 (2.8)	1 (0.2)	~ ~	9.9 (0.
Macao SAR		14 (0.5)	563 (3.0)	85 (0.5)	543 (1.1)	1 (0.1)	~ ~	9.9 (0.
Italy		14 (0.7)	557 (3.7)	85 (0.8)	550 (2.3)	1 (0.2)	~ ~	9.8 (0.
Slovenia		13 (0.7)	568 (3.9)	86 (0.6)	541 (2.2)	1 (0.2)	~ ~	9.9 (0.
France		13 (0.6)	516 (4.5)	86 (0.6)	514 (2.2)	1 (0.2)	~ ~	9.8 (0.
Hong Kong SAR		13 (1.0)	577 (4.6)	87 (1.0)	569 (2.9)	1 (0.2)	~ ~	9.9 (0.
Russian Federation		12 (0.7)	604 (3.0)	85 (0.7)	580 (2.2)	3 (0.3)	519 (11.6)	10.0 (0.
Chinese Taipei		11 (0.5)	575 (3.5)	87 (0.5)	559 (2.1)	2 (0.2)	~ ~	9.7 (0.
Kazakhstan		10 (0.8)	561 (5.0)	81 (0.9)	535 (2.4)	8 (0.8)	516 (5.6)	9.5 (0.0
Chile		8 (0.5)	540 (3.7)	83 (1.0)	495 (2.6)	9 (0.9)	470 (7.3)	9.0 (0.
Egypt		4 (0.6)	407 (14.0)	66 (1.8)	352 (5.1)	30 (1.8)	281 (9.3)	7.8 (0.
Georgia		4 (0.3)	513 (6.6)	87 (0.9)	492 (2.7)	9 (1.0)	468 (9.3)	9.0 (0.
Azerbaijan		3 (0.5)	523 (6.7)	63 (1.4)	490 (3.4)	34 (1.5)	448 (5.6)	7.6 (0.
Morocco		3 (0.2)	431 (7.8)	50 (1.1)	386 (3.9)	47 (1.2)	335 (4.7)	6.9 (0.
South Africa	S	3 (0.5)	429 (15.6)	64 (1.5)	341 (6.3)	33 (1.6)	313 (4.5)	7.4 (0.
Iran, Islamic Rep. of		2 (0.2)	~ ~	75 (1.4)	445 (4.2)	23 (1.5)	381 (6.7)	8.1 (0.
England								
United States								
Northern Ireland	Х	32 (1.4)	599 (5.0)	67 (1.4)	582 (3.6)	0 (0.2)	~ ~	10.9 (0.
Australia	X	29 (1.0)	572 (4.6)	71 (1.0)	560 (3.1)	0 (0.2)	~ ~	10.7 (0.0
New Zealand	X	22 (1.0)	559 (4.2)	76 (1.1)	540 (2.8)	2 (0.3)	~ ~	10.2 (0.0
International Avg.		20 (0.1)	536 (0.7)	74 (0.1)	512 (0.4)	5 (0.1)	414 (2.8)	

1th Grade

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. 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 "s" indicates data are

available for at least 50% but less than 70% of the students. An "x" indicates data are available for less than 50% of the students—interpret with caution.

Downloaded from http://pirls2016.org/download-center/





Exhibit 4.2: Digital Devices in the Home (Continued)

	High	Access	Mediu	n Access	Low	Average	
Country	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Scale Score
nchmarking Participants							
Norway (4)	54 (1.2)	528 (2.0)	46 (1.2)	508 (2.9)	0 (0.1)	~ ~	11.7 (0.04)
Denmark (3)	45 (1.1)	512 (3.4)	55 (1.1)	495 (3.6)	0 (0.0)	~ ~	11.4 (0.03)
Ontario, Canada r	32 (1.0)	561 (3.8)	68 (1.0)	547 (3.6)	0 (0.1)	~ ~	10.8 (0.04)
Dubai, UAE	30 (0.5)	531 (3.0)	70 (0.5)	516 (2.2)	0 (0.1)	~ ~	10.8 (0.02)
Madrid, Spain	27 (0.8)	567 (2.6)	72 (0.8)	546 (2.1)	0 (0.1)	~ ~	10.5 (0.04)
Abu Dhabi, UAE r	26 (1.0)	445 (6.3)	73 (1.0)	416 (4.5)	1 (0.1)	~ ~	10.5 (0.04)
Moscow City, Russian Fed.	25 (0.9)	625 (2.6)	75 (0.9)	608 (2.3)	0 (0.1)	~ ~	10.8 (0.03)
Buenos Aires, Argentina s	23 (1.4)	518 (4.6)	76 (1.3)	482 (3.3)	1 (0.2)	~ ~	10.2 (0.06)
Quebec, Canada	19 (0.8)	565 (4.0)	80 (0.8)	548 (3.1)	0 (0.2)	~ ~	10.2 (0.04)
Andalusia, Spain	18 (0.9)	548 (3.0)	80 (0.9)	524 (2.0)	2 (0.3)	~ ~	10.0 (0.04)
Eng/Afr/Zulu - RSA (5) s	6 (0.7)	503 (13.8)	70 (1.6)	427 (7.7)	24 (1.8)	376 (5.3)	8.0 (0.12)

SOURCE

