

Exhibit 1.5: Average Reading Achievement by Gender

In PIRLS 2016, fourth grade girls had higher average achievement than boys in all countries except Macao SAR and Portugal, where achievement was similar for boys and girls. The average advantage for girls was 19 points across the 50 countries in PIRLS 2016.



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Country Macao SAR	Girls		Boys		Difference	Gender Difference			
	Students Score	Average Scale Score	Percent of Students 51 (0.5)	Average Scale Score 545 (1.7)	(Absolute Value) 1 (2.6)	Girls Scored Higher	Boys Scored High	er	
		546 (1.6)							
² Portugal	49 (0.8)	529 (2.7)	51 (0.8)	527 (2.5)	1 (2.7)				
² Austria	48 (0.9)	544 (2.7)	52 (0.9)	538 (2.7)	6 (2.4)				
Italy	49 (0.9)	552 (2.7)	51 (0.9)	544 (2.4)	7 (2.6)				
Chinese Taipei	48 (0.6)	563 (2.2)	52 (0.6)	555 (2.3)	8 (1.9)				
France	50 (0.9)	515 (2.6)	50 (0.9)	507 (2.5)	8 (2.7)				
† United States	50 (0.7)	553 (3.2)	50 (0.7)	545 (3.6)	8 (2.9)				
Spain	49 (0.6)	532 (1.4)	51 (0.6)	524 (2.7)	8 (2.5)				
† Hong Kong SAR	49 (1.5)	573 (2.9)	51 (1.5)	564 (3.1)	9 (2.5)				
Slovak Republic	49 (1.0)	539 (3.7)	51 (1.0)	530 (3.1)	9 (2.7)				
Belgium (Flemish)	51 (0.9)	530 (2.1)	49 (0.9)	520 (2.3)	10 (2.0)				
Czech Republic	49 (0.9)	549 (2.2)	51 (0.9)	538 (2.6)	10 (2.4)				
† Netherlands	51 (1.1)	550 (1.7)	49 (1.1)	540 (2.3)	10 (2.2)				
Kazakhstan	49 (0.8)	542 (2.8)	51 (0.8)	531 (2.5)	11 (2.1)				
² Belgium (French)	50 (1.0)	503 (2.5)	50 (1.0)	492 (3.4)	11 (3.0)				
Germany	49 (0.7)	543 (3.2)	51 (0.7)	532 (3.7)	11 (2.9)				
² Canada	49 (0.6)	549 (2.2)	51 (0.6)	537 (2.1)	12 (2.2)				
Ireland	50 (1.6)	572 (2.9)	50 (1.6)	561 (3.3)	12 (3.8)				
Hungary	49 (0.8)	561 (3.4)	51 (0.8)	548 (3.1)	13 (3.1)				
² Denmark	51 (0.9)	554 (2.6)	49 (0.9)	541 (2.7)	13 (3.1)				
Azerbaijan	47 (0.8)	479 (4.3)	53 (0.8)	466 (4.5)	13 (3.0)				
3 Israel	51 (1.5)	537 (2.9)	49 (1.5)	524 (3.4)	13 (3.8)				
Chile	48 (1.4)	501 (2.9)	52 (1.4)	487 (3.2)	14 (3.7)				
Russian Federation	49 (0.8)	588 (2.2)	51 (0.8)	574 (2.6)	15 (2.1)				
England	50 (0.9)	566 (2.2)	50 (0.9)	551 (2.4)	15 (2.8)				
Sweden	49 (0.9)	563 (2.7)	51 (0.9)	548 (2.6)	15 (2.5)				
Bulgaria	49 (0.7)	559 (4.9)	51 (0.7)	544 (4.3)	16 (3.4)				
² Latvia	51 (1.1)	566 (2.1)	49 (1.1)	549 (2.0)	17 (2.4)				
³ Singapore	49 (0.6)	585 (3.5)	51 (0.6)	568 (3.4)	17 (3.0)				
Poland	50 (0.8)	574 (2.5)	50 (0.8)	556 (2.6)	18 (3.0)				
Northern Ireland	50 (1.2)	574 (2.8)	50 (1.2)	555 (2.8)	18 (3.5)				
Slovenia	50 (0.9)	552 (2.3)	50 (0.9)	533 (2.6)	19 (2.9)				
¹ Georgia	49 (0.7)	498 (2.7)	51 (0.7)	479 (3.6)	19 (3.2)				
Lithuania	50 (1.0)	558 (2.7)	50 (1.0)	538 (3.3)	20 (3.1)				
² Malta	48 (0.6)	463 (2.6)	52 (0.6)	442 (2.2)	21 (3.1)				
Norway (5)	50 (1.1)	570 (2.6)	50 (1.1)	548 (2.6)	21 (2.3)				
Australia	50 (0.8)	555 (2.6)	50 (0.8)	534 (3.0)	22 (2.5)				
Finland	50 (0.9)	577 (1.9)	50 (0.9)	555 (2.3)	22 (2.2)				
New Zealand	50 (0.9)	533 (2.4)	50 (0.9)	512 (3.0)	22 (3.2)				
Trinidad and Tobago	52 (1.8)	490 (3.8)	48 (1.8)	468 (4.4)	22 (3.2)				
Morocco	49 (0.7)	372 (4.0)	51 (0.7)	344 (4.4)	28 (3.0)				
United Arab Emirates	49 (0.7)	465 (4.2)	51 (0.7)	436 (4.5)	30 (5.8)				
Kuwait	52 (1.8)	410 (4.8)	48 (1.8)	376 (6.4)	34 (7.7)				
Qatar	50 (2.4)	460 (1.9)	50 (2.4)	424 (3.4)	36 (4.0)				
Egypt	49 (1.2)	349 (5.6)	50 (2.4)	312 (6.6)	37 (4.8)				
Bahrain	50 (1.5)	468 (2.8)	50 (1.5)	424 (3.5)	43 (3.8)				
Iran, Islamic Rep. of	47 (1.1)	452 (4.5)	53 (1.1)	424 (5.3)	46 (5.9)				
Oman									
South Africa	50 (0.7)	442 (3.2)	50 (0.7)	395 (3.9)	46 (3.0)				
Saudi Arabia	48 (0.7)	347 (4.0)	52 (0.7)	295 (5.1)	52 (3.0)				
	48 (2.6)	464 (5.4)	52 (2.6) 51 (0.2)	399 (5.8) 501 (0.5)	65 (7.5)				
International Avg.	49 (0.2)	520 (0.4)	51 (0.2)	501 (0.5)	19 (0.5)				
					8	0 40	0 40		

See Appendix C.1 for target population coverage notes 1, 2, and 3. See Appendix C.4 for sampling guidelines and sampling participation notes †, ‡, and ≡.

 $() \ \ Standard\ errors\ appear\ in\ parentheses.\ Because\ of\ rounding\ some\ results\ may\ appear\ inconsistent.$

Exhibit 1.5: Average Reading Achievement by Gender (Continued)

Girls		Boys		Difference	Gender Difference				
Percent of Students	Average Scale Score	Percent of Students	Average Scale Score	(Absolute Value)		Girls Scored Highe	r	Boys Scored Highe	r
							·		
50 (0.8)	526 (2.8)	50 (0.8)	523 (2.2)	3 (2.8)			4		
51 (1.0)	553 (2.4)	49 (1.0)	545 (2.6)	7 (2.9)					
49 (1.1)	485 (3.7)	51 (1.1)	475 (3.4)	10 (3.7)					
52 (1.1)	552 (3.3)	48 (1.1)	542 (3.1)	11 (3.1)					
48 (1.1)	550 (3.6)	52 (1.1)	538 (3.8)	12 (3.6)					
48 (3.0)	522 (3.6)	52 (3.0)	509 (2.8)	13 (5.4)					
49 (0.9)	620 (2.3)	51 (0.9)	604 (2.6)	16 (2.5)					
49 (0.7)	526 (2.4)	51 (0.7)	508 (2.1)	17 (2.2)					
50 (0.6)	511 (3.3)	50 (0.6)	491 (3.0)	19 (3.3)					
51 (0.8)	421 (6.0)	49 (0.8)	391 (6.5)	30 (3.4)					
47 (3.4)	435 (7.3)	53 (3.4)	396 (6.4)	40 (10.2)					
					80	40	0	40	
					Difference statistically significant				
	50 (0.8) 51 (1.0) 49 (1.1) 52 (1.1) 48 (1.1) 48 (3.0) 49 (0.9) 49 (0.7) 50 (0.6) 51 (0.8)	Students Score 50 (0.8) 526 (2.8) 51 (1.0) 553 (2.4) 49 (1.1) 485 (3.7) 52 (1.1) 552 (3.3) 48 (1.1) 550 (3.6) 48 (3.0) 522 (3.6) 49 (0.9) 620 (2.3) 49 (0.7) 526 (2.4) 50 (0.6) 511 (3.3) 51 (0.8) 421 (6.0)	Students Score Students 50 (0.8) 526 (2.8) 50 (0.8) 51 (1.0) 553 (2.4) 49 (1.0) 49 (1.1) 485 (3.7) 51 (1.1) 52 (1.1) 552 (3.3) 48 (1.1) 48 (1.1) 550 (3.6) 52 (1.1) 48 (3.0) 522 (3.6) 52 (3.0) 49 (0.9) 620 (2.3) 51 (0.9) 49 (0.7) 526 (2.4) 51 (0.7) 50 (0.6) 511 (3.3) 50 (0.6) 51 (0.8) 421 (6.0) 49 (0.8)	Students Score Students Score 50 (0.8) 526 (2.8) 50 (0.8) 523 (2.2) 51 (1.0) 553 (2.4) 49 (1.0) 545 (2.6) 49 (1.1) 485 (3.7) 51 (1.1) 475 (3.4) 52 (1.1) 552 (3.3) 48 (1.1) 542 (3.1) 48 (1.1) 550 (3.6) 52 (1.1) 538 (3.8) 48 (3.0) 522 (3.6) 52 (3.0) 509 (2.8) 49 (0.9) 620 (2.3) 51 (0.9) 604 (2.6) 49 (0.7) 526 (2.4) 51 (0.7) 508 (2.1) 50 (0.6) 511 (3.3) 50 (0.6) 491 (3.0) 51 (0.8) 421 (6.0) 49 (0.8) 391 (6.5)	Students Score Students Score Value 50 (0.8) 526 (2.8) 50 (0.8) 523 (2.2) 3 (2.8) 51 (1.0) 553 (2.4) 49 (1.0) 545 (2.6) 7 (2.9) 49 (1.1) 485 (3.7) 51 (1.1) 475 (3.4) 10 (3.7) 52 (1.1) 552 (3.3) 48 (1.1) 542 (3.1) 11 (3.1) 48 (3.0) 522 (3.6) 52 (1.1) 538 (3.8) 12 (3.6) 48 (3.0) 522 (3.6) 52 (3.0) 509 (2.8) 13 (5.4) 49 (0.9) 620 (2.3) 51 (0.9) 604 (2.6) 16 (2.5) 49 (0.7) 526 (2.4) 51 (0.7) 508 (2.1) 17 (2.2) 50 (0.6) 511 (3.3) 50 (0.6) 491 (3.0) 19 (3.3) 51 (0.8) 421 (6.0) 49 (0.8) 391 (6.5) 30 (3.4)	Students Score Students Average scale Value 50 (0.8) 526 (2.8) 50 (0.8) 523 (2.2) 3 (2.8) 51 (1.0) 553 (2.4) 49 (1.0) 545 (2.6) 7 (2.9) 49 (1.1) 485 (3.7) 51 (1.1) 475 (3.4) 10 (3.7) 52 (1.1) 552 (3.3) 48 (1.1) 542 (3.1) 11 (3.1) 48 (1.1) 550 (3.6) 52 (1.1) 538 (3.8) 12 (3.6) 48 (3.0) 522 (3.6) 52 (3.0) 509 (2.8) 13 (5.4) 49 (0.9) 620 (2.3) 51 (0.9) 604 (2.6) 16 (2.5) 49 (0.7) 526 (2.4) 51 (0.7) 508 (2.1) 17 (2.2) 50 (0.6) 511 (3.3) 50 (0.6) 491 (3.0) 19 (3.3) 51 (0.8) 421 (6.0) 49 (0.8) 391 (6.5) 30 (3.4) 47 (3.4) 435 (7.3) 53 (3.4) 396 (6.4) 40 (10.2)	Students Score Students Score Students Score Value Score Students Score Students Score Students Score Score Score Students Score Score	Students Score Students Students	Students Score S