

Exhibit 5.2: Schools with Students Having the Language of the Test as Their Native Language

Exhibit 5.2 presents principals' categorizations of their schools according to the percentage of students who spoke the language of the PIRLS 2016 assessment as their first language. Sixty-three percent were in schools where most students (more than 90%) spoke the language of the PIRLS assessment as their first language, and another 20 percent were in schools where the majority of students (51-90%) spoke the language of the assessment as their first language. Both groups of students had higher average reading achievement than the 18 percent of students attending schools where only half of the students (or less) spoke the language of the assessment as their native language (512 and 515 vs. 493).

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Students Categorized by Principals' Reports

Country	School has More than 90% of Students with Language of Test as Their Native Language		School has 51-90% of Students with Language of Test as Their Native Language		School has 50% or Less of Students with Language of Test as Their Native Language	
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement
Australia	50 (3.1)	552 (3.4)	28 (3.0)	535 (5.8)	23 (2.7)	538 (6.0)
Austria	29 (3.7)	552 (3.3)	46 (4.5)	546 (3.0)	25 (3.4)	519 (5.5)
Azerbaijan	84 (2.7)	465 (4.8)	12 (2.4)	505 (10.2)	4 (1.7)	497 (12.9)
Bahrain	62 (2.3)	435 (3.2)	15 (1.8)	470 (5.8)	23 (1.8)	462 (8.2)
Belgium (Flemish)	45 (3.4)	540 (2.1)	34 (4.2)	523 (3.6)	22 (3.5)	500 (4.9)
Belgium (French)	63 (3.0)	509 (2.9)	21 (2.9)	498 (5.2)	16 (2.3)	457 (7.0)
Bulgaria	55 (4.1)	580 (3.8)	25 (3.8)	545 (5.3)	20 (2.7)	482 (8.7)
Canada	47 (2.5)	545 (2.6)	34 (2.6)	545 (3.6)	19 (2.0)	536 (4.2)
Chile	98 (1.1)	494 (2.7)	2 (1.1)	~ ~	0 (0.0)	~ ~
Chinese Taipei	66 (4.2)	562 (2.4)	27 (3.9)	557 (3.7)	7 (2.2)	541 (7.4)
Czech Republic	92 (2.0)	543 (2.3)	7 (1.9)	547 (5.6)	0 (0.4)	~ ~
Denmark	60 (3.5)	553 (2.7)	31 (3.5)	541 (3.4)	9 (2.0)	532 (8.3)
Egypt	97 (1.4)	334 (5.6)	1 (1.0)	~ ~	1 (1.0)	~ ~
England	45 (3.6)	566 (3.3)	29 (3.6)	557 (4.2)	27 (3.3)	548 (3.8)
Finland	82 (2.7)	570 (1.8)	16 (2.8)	553 (6.1)	2 (1.3)	~ ~
France	65 (3.6)	519 (3.3)	26 (3.4)	499 (4.2)	9 (2.4)	492 (8.8)
Georgia	85 (2.1)	493 (3.0)	9 (1.5)	485 (8.8)	6 (1.8)	441 (18.6)
Germany	30 (2.8)	554 (3.9)	48 (3.4)	540 (5.6)	22 (2.9)	502 (7.2)
Hong Kong SAR	96 (1.9)	570 (2.9)	4 (1.9)	559 (10.0)	0 (0.0)	~ ~
Hungary	99 (0.4)	553 (2.8)	0 (0.4)	~ ~	0 (0.0)	~ ~
Iran, Islamic Rep. of	50 (3.6)	456 (5.0)	8 (1.5)	469 (7.6)	42 (3.3)	386 (8.3)
Ireland	57 (3.7)	573 (3.1)	32 (3.8)	563 (4.5)	11 (3.2)	546 (7.8)
Israel	69 (3.2)	523 (3.3)	23 (3.2)	556 (6.0)	8 (2.0)	527 (9.9)
Italy	60 (3.4)	547 (3.4)	39 (3.3)	552 (2.8)	1 (0.7)	~ ~
Kazakhstan	53 (2.7)	530 (3.3)	32 (3.3)	544 (5.1)	14 (2.8)	541 (6.7)
Kuwait	20 (3.7)	380 (7.6)	27 (3.2)	405 (10.2)	53 (3.5)	394 (5.8)
Latvia	47 (3.2)	557 (2.5)	26 (3.1)	549 (4.0)	27 (1.3)	568 (3.3)
Lithuania	87 (2.1)	548 (2.8)	11 (1.9)	567 (6.3)	2 (1.1)	~ ~
Macao SAR	87 (0.1)	550 (1.1)	2 (0.0)	~ ~	11 (0.1)	515 (3.9)
Malta	60 (0.1)	461 (2.2)	35 (0.1)	446 (2.4)	5 (0.1)	382 (7.3)
Morocco	9 (1.4)	398 (11.5)	14 (1.9)	397 (8.5)	77 (2.3)	346 (5.1)
Netherlands	72 (4.0)	550 (2.2)	22 (3.6)	542 (3.5)	6 (2.0)	518 (20.3)
New Zealand	56 (3.6)	531 (2.9)	28 (3.0)	529 (6.3)	16 (2.2)	495 (11.4)
Northern Ireland	r 81 (3.9)	565 (2.9)	14 (3.4)	561 (11.4)	5 (2.5)	560 (11.4)
Norway (5)	63 (3.7)	559 (2.9)	32 (3.8)	560 (3.8)	5 (1.7)	551 (4.7)
Oman	82 (1.7)	415 (3.8)	5 (1.4)	409 (12.4)	13 (0.9)	445 (6.1)
Poland	100 (0.0)	565 (2.1)	0 (0.0)	~ ~	0 (0.0)	~ ~
Portugal	89 (2.5)	528 (2.1)	8 (2.1)	520 (6.5)	3 (1.4)	555 (48.0)
Qatar	41 (0.3)	405 (2.5)	10 (0.1)	453 (4.1)	49 (0.3)	471 (3.1)
Russian Federation	77 (2.6)	583 (2.8)	12 (2.3)	588 (5.5)	11 (1.7)	556 (8.3)
Saudi Arabia	31 (3.4)	439 (7.5)	26 (2.9)	437 (9.0)	43 (3.7)	420 (7.2)
Singapore	0 (0.0)	~ ~	0 (0.0)	~ ~	100 (0.0)	576 (3.2)
Slovak Republic	86 (2.7)	542 (3.0)	9 (1.8)	519 (10.0)	5 (1.9)	439 (25.2)
Slovenia	74 (4.4)	544 (2.1)	25 (4.3)	538 (5.0)	2 (1.1)	~ ~
South Africa	r 59 (2.6)	306 (4.5)	19 (2.6)	335 (11.6)	22 (2.3)	349 (12.2)
Spain	56 (2.7)	536 (1.7)	28 (2.7)	521 (3.5)	16 (2.2)	513 (7.1)
Sweden	47 (4.0)	563 (3.3)	37 (4.1)	550 (3.1)	16 (3.7)	541 (8.3)
Trinidad and Tobago	94 (2.1)	486 (3.4)	0 (0.0)	~ ~	6 (2.1)	475 (16.0)
United Arab Emirates	36 (1.2)	397 (3.9)	7 (1.1)	471 (17.9)	58 (1.2)	480 (5.0)
United States	55 (3.7)	557 (3.5)	30 (4.2)	550 (4.9)	15 (3.1)	517 (9.2)
International Avg.	63 (0.4)	512 (0.5)	20 (0.4)	515 (1.1)	18 (0.3)	493 (1.9)

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

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

Exhibit 5.2: Schools with Students Having the Language of the Test as Their Native Language (Continued)

Country	School has More than 90% of Students with Language of Test as Their Native Language		School has 51-90% of Students with Language of Test as Their Native Language		School has 50% or Less of Students with Language of Test as Their Native Language	
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement
Benchmarking Participants						
Buenos Aires, Argentina	90 (2.4)	486 (3.6)	9 (2.3)	443 (15.4)	1 (0.9)	~ ~
Ontario, Canada	43 (4.8)	546 (5.2)	38 (4.7)	543 (5.4)	18 (3.3)	543 (4.9)
Quebec, Canada	49 (4.3)	551 (3.9)	25 (4.7)	556 (6.2)	26 (4.1)	533 (5.6)
Denmark (3)	60 (3.7)	500 (3.6)	32 (3.6)	504 (4.5)	9 (2.1)	489 (14.9)
Norway (4)	62 (3.9)	518 (2.6)	32 (3.9)	518 (3.1)	5 (1.9)	503 (6.0)
Moscow City, Russian Fed.	68 (4.1)	615 (2.5)	32 (4.1)	605 (4.3)	0 (0.0)	~ ~
Eng/Afr/Zulu - RSA (5)	43 (4.0)	384 (6.7)	22 (4.8)	440 (18.4)	35 (3.5)	424 (15.5)
Andalusia, Spain	85 (3.1)	527 (2.2)	14 (3.1)	518 (5.1)	1 (0.5)	~ ~
Madrid, Spain	78 (3.1)	553 (2.3)	17 (3.3)	539 (3.1)	5 (1.8)	529 (10.9)
Abu Dhabi, UAE	47 (2.0)	372 (5.7)	4 (2.2)	387 (36.5)	49 (1.3)	453 (8.0)
Dubai, UAE	13 (0.1)	437 (3.7)	11 (0.1)	534 (3.0)	76 (0.2)	526 (2.4)

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