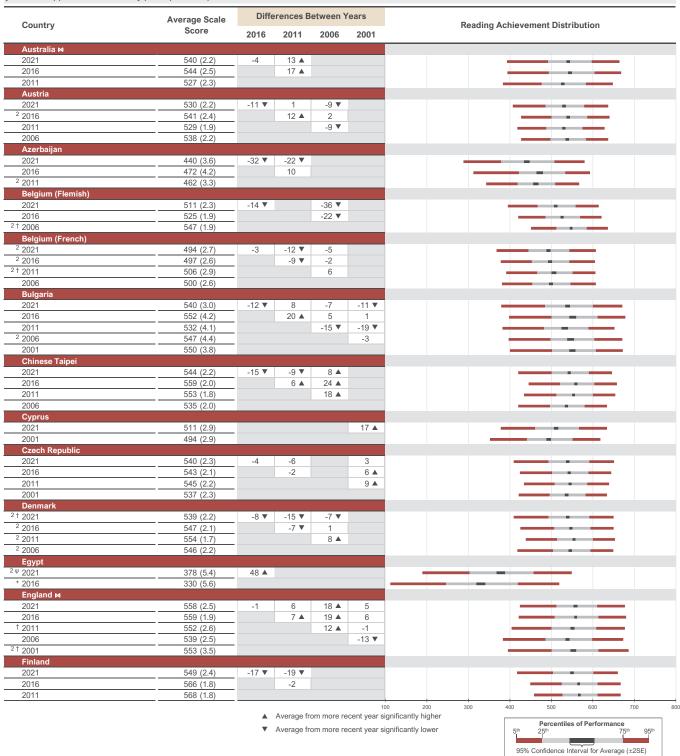
## Exhibit 2.1.2: Differences in Average Reading Achievement Across Assessment Years

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

⋈ Assessed one year later than originally scheduled – six year trend from PIRLS 2016



This exhibit reports differences in achievement across assessment years for the countries and benchmarking participants that assessed fourth grade students at the end of the school year and have comparable data from previous PIRLS assessments. Read across the row to determine if the difference in performance between years is statistically significant. Symbols indicate if the row year is significantly higher (A) or significantly lower (V) than the performance in the column year. See Appendix A for country participation in previous PIRLS assessments.



See Appendix A for country participation in previous PIRLS assessments.



<sup>()</sup> Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

See Appendix A.2 for population coverage notes 1, 2, and 3. See Appendix A.5 for sampling guidelines and sampling participation notes †, ‡, and ≡.

Ψ Reservations about reliability because the percentage of students with achievement too low for estimation exceeds 15% but does not exceed 25%.

Ж Reservations about reliability because the percentage of students with achievement too low for estimation exceeds 25%

<sup>+</sup> Participated in Literacy version of PIRLS 2016.

<sup>±</sup> Participated in both regular and Literacy versions of PIRLS 2016.

# Exhibit 2.1.2: Differences in Average Reading Achievement Across Assessment Years

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

⋈ Assessed one year later than originally scheduled – six year trend from PIRLS 2016



(Continued) **Differences Between Years** Average Scale Country Reading Achievement Distribution Score 2016 2011 2006 2001 Franc 514 (2.5) -8 ▼ -11 ▼ 2021 -6 -9 ▼ 511 (2.2) -14 ▼ 2016 -10 ▼ 520 (2.7) -2 -5 2011 2006 522 (2.0) -4 2001 525 (2.4) Germa 2021 524 (2.1) -17 -24 ▼ -15 ▼ -13 ▼ 537 (3.2) 2016 -4 -10 ▼ -2 541 (2.3) -7 ▼ 2 2011 2006 548 (2.2) 9 🛦 2001 539 (1.9) Hong Kong SAR 2 † 2021 573 (2.7) 9 🛦 45 ▲ <sup>2†</sup> 2016 569 (2.7) -2 41 ▲ 5 <sup>3</sup> 2011 571 (2.3) 7 🛦 43 ▲ 2006 564 (2.4) 36 ▲ 2001 528 (3.1) Iran, Islamic Rep. of ⋈ 413 (4.9) -45 ▼ -15 ▼ 2021 -8 ± 2016 428 (4.0) 14 ▲ -29 ▼ 2011 457 (2.9) 36 ▲ 44 ▲ 2006 421 (3.2) 2001 414 (4.3) Israel 510 (2.2) <sup>3</sup> 2021 -20 ▼ -31 ▼ <sup>3</sup> 2016 530 (2.5) -11 ▼ 3 2011 541 (2.7) Italy 2021 537 (2.2) -4 -4 2016 548 (2.2) 7 🔺 -3 7 🔺 2011 541 (2.2) -10 ▼ 551 (2.9) 11 ▲ 2006 2001 541 (2.4) 2021 536 (1.3) -10 ▼ Nethe 2021 527 (2.5) -19 ▼ -18 ▼ -20 ▼ -27 ▼ † 2016 545 (1.7) -1 -2 -9 ▼ † 2011 546 (2.0) -1 -8 ▼ † 2006 547 (1.5) -7 ▼ 554 (2.4) 2021 521 (2.3) -10 ▼ -10 ▼ 2016 523 (2.2) -8 ▼ -9 ▼ -6 2011 531 (1.9) -1 2 2006 532 (2.1) 3 North 442 (5.3) 2021 0 442 (4 1) 2006 2001 442 (4.8) Norway (5) 2021 539 (2.0) -20 ▼ 2016 559 (2.3) 2021 429 (3.7) 11 ▲ 39 ▲ 2016 418 (3.3) 28 🔺 Ψ 2011 391 (2.8) 549 (2.2) -16 ▼ 2021 565 (2.1) 2016 Portug 2 2021 520 (2.3) -8 ▼ -21 ▼ <sup>2</sup> 2016 528 (2.3) -13 ▼ 2011 541 (2.5) Average from more recent year significantly higher Percentiles of Performance Average from more recent year significantly lower 95% Confidence Interval for Average (±2SE)



# Exhibit 2.1.2: Differences in Average Reading Achievement Across Assessment Years

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

⋈ Assessed one year later than originally scheduled – six year trend from PIRLS 2016



