

**Appendix C.4: Participation Rates (Weighted)**

Country	School Participation		Class Participation	Student Participation	Overall Participation	
	Before Replacement	After Replacement			Before Replacement	After Replacement
Australia	97%	100%	100%	95%	92%	94%
Austria	100%	100%	100%	98%	98%	98%
Azerbaijan	100%	100%	100%	96%	96%	96%
Bahrain	99%	99%	100%	98%	98%	98%
Belgium (Flemish)	79%	94%	100%	98%	77%	92%
Belgium (French)	96%	100%	100%	97%	93%	97%
Bulgaria	100%	100%	100%	95%	95%	95%
Canada	81%	90%	100%	96%	77%	86%
Chile	92%	100%	100%	96%	88%	96%
Chinese Taipei	100%	100%	100%	98%	98%	98%
Czech Republic	100%	100%	100%	95%	95%	95%
Denmark	87%	96%	100%	94%	82%	90%
Egypt	100%	100%	100%	97%	97%	97%
England	99%	100%	100%	96%	95%	96%
Finland	98%	99%	100%	96%	95%	96%
France	99%	100%	100%	96%	95%	96%
Georgia	98%	99%	100%	97%	95%	96%
Germany	97%	100%	100%	96%	93%	95%
† Hong Kong SAR	74%	91%	100%	87%	64%	79%
Hungary	98%	100%	100%	97%	95%	97%
Iran, Islamic Rep. of (Combined)	100%	100%	100%	99%	99%	99%
Literacy	100%	100%	100%	99%	99%	99%
PIRLS	100%	100%	100%	99%	99%	99%
Ireland	100%	100%	100%	96%	96%	96%
Israel	98%	99%	100%	95%	93%	94%
Italy	89%	99%	100%	96%	85%	95%
Kazakhstan	100%	100%	100%	99%	99%	99%
Kuwait	98%	98%	100%	93%	91%	91%
Latvia	95%	97%	100%	94%	89%	91%
Lithuania	100%	100%	100%	95%	95%	95%
Macao SAR	100%	100%	100%	98%	98%	98%
Malta	100%	100%	100%	96%	96%	96%
Morocco (Combined)	100%	100%	100%	99%	99%	99%
Literacy	100%	100%	100%	99%	99%	99%
PIRLS	100%	100%	100%	99%	99%	99%
† Netherlands	69%	90%	100%	96%	66%	86%
New Zealand	85%	97%	100%	96%	81%	92%
Northern Ireland	84%	88%	100%	96%	81%	84%
Norway (5)	95%	99%	100%	96%	91%	95%
Oman	99%	100%	100%	99%	98%	98%
Poland	95%	99%	100%	91%	86%	90%
Portugal	97%	99%	100%	94%	91%	93%
Qatar	100%	100%	100%	97%	97%	97%
Russian Federation	100%	100%	100%	98%	98%	98%
Saudi Arabia	92%	100%	100%	96%	88%	96%
Singapore	100%	100%	100%	97%	97%	97%
Slovak Republic	94%	100%	100%	97%	92%	97%
Slovenia	94%	94%	100%	96%	90%	90%
South Africa	92%	97%	100%	96%	88%	94%
Spain	99%	100%	100%	97%	95%	97%
Sweden	99%	100%	100%	95%	94%	95%
Trinidad and Tobago	100%	100%	100%	96%	96%	96%
United Arab Emirates	98%	99%	100%	96%	95%	95%
† United States	75%	92%	100%	94%	71%	86%

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

PIRLS guidelines for sampling participation: The minimum acceptable participation rates were 85 percent of both schools and students, or a combined rate (the product of school and student participation) of 75 percent. Participants not meeting these guidelines were annotated as follows:

- † Met guidelines for sample participation rates only after replacement schools were included.
- ‡ Nearly satisfied guidelines for sample participation rates after replacement schools were included.
- ≡ Did not satisfy guidelines for sample participation rates.

## Appendix C.4: Participation Rates (Weighted) (Continued)

Country	School Participation		Class Participation	Student Participation	Overall Participation	
	Before Replacement	After Replacement			Before Replacement	After Replacement
<b>Benchmarking Participants</b>						
Buenos Aires, Argentina	88%	100%	100%	92%	81%	92%
Ontario, Canada	96%	97%	100%	96%	92%	93%
≡ Quebec, Canada	39%	67%	99%	96%	37%	64%
Denmark (3)	88%	97%	100%	95%	83%	92%
Norway (4)	95%	99%	100%	96%	91%	95%
Moscow City, Russian Fed.	100%	100%	100%	97%	97%	97%
Eng/Afr/Zulu - RSA (5)	84%	89%	100%	96%	81%	86%
Andalusia, Spain	99%	100%	100%	96%	96%	96%
Madrid, Spain	100%	100%	100%	97%	97%	97%
Abu Dhabi, UAE	100%	100%	100%	96%	96%	96%
Dubai, UAE	99%	99%	100%	96%	95%	95%

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