

Exhibit B.10: Participation Rates (Weighted)

Country	School Participation		Class Participation	Student Participation	Overall Participation	
	Before Replacement	After Replacement			Before Replacement	After Replacement
Australia	95%	96%	99%	84%	79%	80%
Austria	99%	99%	100%	96%	95%	95%
Azerbaijan	95%	100%	100%	93%	88%	93%
Bahrain	100%	100%	100%	97%	97%	97%
Brazil	88%	98%	100%	93%	81%	91%
† Chile	78%	96%	100%	88%	69%	84%
Chinese Taipei	97%	99%	100%	96%	93%	95%
Cote d'Ivoire	99%	100%	100%	96%	95%	96%
Cyprus	97%	97%	99%	94%	91%	91%
Czech Republic	100%	100%	100%	95%	95%	95%
England	81%	88%	100%	94%	76%	83%
Finland	99%	99%	100%	94%	93%	93%
France	99%	100%	100%	95%	94%	95%
Georgia	97%	100%	100%	97%	94%	97%
† Hong Kong SAR	73%	87%	99%	90%	64%	77%
Hungary	100%	100%	100%	96%	95%	96%
Iran, Islamic Rep. of	100%	100%	100%	97%	97%	97%
Ireland	98%	99%	100%	84%	82%	84%
Israel	97%	100%	100%	90%	87%	90%
Italy	96%	100%	100%	97%	93%	97%
† Japan	79%	89%	100%	88%	70%	78%
Jordan	100%	100%	100%	98%	98%	98%
Kazakhstan	98%	100%	100%	97%	95%	97%
Korea, Rep. of	80%	100%	100%	95%	76%	95%
Kuwait	96%	96%	100%	97%	93%	93%
Lithuania	100%	100%	100%	92%	91%	91%
Malaysia	100%	100%	100%	97%	96%	97%
Malta	100%	100%	100%	93%	93%	93%
Morocco	97%	97%	100%	96%	93%	93%
≡ New Zealand	41%	65%	98%	83%	34%	53%
Norway (9)	98%	98%	100%	86%	84%	84%
Oman	100%	100%	100%	97%	97%	97%
Palestinian Nat'l Auth.	98%	99%	100%	98%	96%	97%
Portugal	91%	100%	100%	96%	87%	95%
Qatar	100%	100%	100%	95%	95%	95%
≡ Romania	65%	68%	98%	87%	56%	58%
Saudi Arabia	98%	100%	100%	98%	96%	98%
Singapore	100%	100%	100%	95%	95%	95%
South Africa (9)	96%	96%	100%	91%	87%	87%
Sweden	99%	99%	100%	91%	90%	90%
† Türkiye	66%	100%	100%	97%	64%	97%
United Arab Emirates	99%	99%	100%	96%	95%	95%
≡ United States	55%	72%	97%	90%	48%	63%
Uzbekistan	100%	100%	100%	99%	99%	99%
Benchmarking Participants						
Abu Dhabi, UAE	98%	98%	100%	96%	94%	94%
Dubai, UAE	99%	99%	100%	95%	95%	95%
Sharjah, UAE	100%	100%	100%	96%	96%	96%

TIMSS guidelines for sampling participation: The minimum acceptable participation rates were 85 percent of schools, 95 percent of classes, and 85 percent of students, or a combined rate (the product of school, class, 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