

## Exhibit A.5: Participation Rates (Weighted)

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

☒ Assessed one year later than originally scheduled

■ Delayed Assessment of Fourth Grade Cohort at the Beginning of Fifth Grade

| Country                          | School Participation |                   | Class Participation | Student Participation | Overall Participation |                   |
|----------------------------------|----------------------|-------------------|---------------------|-----------------------|-----------------------|-------------------|
|                                  | Before Replacement   | After Replacement |                     |                       | Before Replacement    | After Replacement |
| Albania                          | 99%                  | 99%               | 100%                | 95%                   | 94%                   | 94%               |
| Australia ☒                      | 98%                  | 98%               | 100%                | 92%                   | 90%                   | 90%               |
| Austria                          | 98%                  | 100%              | 100%                | 96%                   | 95%                   | 96%               |
| Azerbaijan                       | 92%                  | 92%               | 100%                | 92%                   | 84%                   | 84%               |
| Bahrain                          | 100%                 | 100%              | 100%                | 91%                   | 91%                   | 91%               |
| Belgium (Flemish)                | 80%                  | 84%               | 100%                | 96%                   | 77%                   | 81%               |
| Belgium (French)                 | 92%                  | 100%              | 100%                | 95%                   | 87%                   | 95%               |
| † Brazil ☒                       | 67%                  | 85%               | 100%                | 86%                   | 58%                   | 73%               |
| Bulgaria                         | 100%                 | 100%              | 100%                | 92%                   | 92%                   | 92%               |
| Chinese Taipei                   | 99%                  | 100%              | 100%                | 98%                   | 97%                   | 98%               |
| † Croatia                        | 92%                  | 95%               | 97%                 | 84%                   | 74%                   | 77%               |
| Cyprus                           | 99%                  | 99%               | 100%                | 95%                   | 94%                   | 94%               |
| Czech Republic                   | 99%                  | 99%               | 100%                | 91%                   | 91%                   | 91%               |
| † Denmark                        | 76%                  | 90%               | 100%                | 94%                   | 72%                   | 85%               |
| Egypt                            | 100%                 | 100%              | 100%                | 94%                   | 94%                   | 94%               |
| England ☒                        | 88%                  | 96%               | 100%                | 92%                   | 81%                   | 88%               |
| Finland                          | 100%                 | 100%              | 100%                | 97%                   | 97%                   | 97%               |
| France                           | 97%                  | 97%               | 99%                 | 94%                   | 91%                   | 91%               |
| Georgia                          | 97%                  | 98%               | 99%                 | 94%                   | 91%                   | 91%               |
| Germany                          | 95%                  | 97%               | 100%                | 88%                   | 84%                   | 85%               |
| † Hong Kong SAR                  | 79%                  | 96%               | 100%                | 91%                   | 72%                   | 87%               |
| Hungary                          | 90%                  | 96%               | 100%                | 95%                   | 86%                   | 91%               |
| Iran, Islamic Rep. of ☒          | 100%                 | 100%              | 100%                | 97%                   | 97%                   | 97%               |
| Ireland                          | 100%                 | 100%              | 100%                | 94%                   | 94%                   | 94%               |
| Israel ☒                         | 99%                  | 99%               | 100%                | 89%                   | 88%                   | 88%               |
| Italy                            | 93%                  | 99%               | 99%                 | 94%                   | 87%                   | 92%               |
| Jordan                           | 99%                  | 99%               | 100%                | 96%                   | 96%                   | 96%               |
| Kazakhstan                       | 100%                 | 100%              | 100%                | 97%                   | 97%                   | 97%               |
| Kosovo                           | 100%                 | 100%              | 100%                | 97%                   | 97%                   | 97%               |
| Latvia                           | 97%                  | 99%               | 100%                | 91%                   | 88%                   | 90%               |
| Lithuania                        | 95%                  | 95%               | 99%                 | 87%                   | 82%                   | 82%               |
| Macao SAR                        | 98%                  | 98%               | 100%                | 92%                   | 91%                   | 91%               |
| Malta                            | 100%                 | 100%              | 100%                | 90%                   | 89%                   | 89%               |
| Montenegro                       | 100%                 | 100%              | 99%                 | 95%                   | 94%                   | 94%               |
| Morocco                          | 100%                 | 100%              | 100%                | 96%                   | 96%                   | 96%               |
| ≡ Netherlands                    | 44%                  | 79%               | 100%                | 95%                   | 41%                   | 75%               |
| † New Zealand                    | 78%                  | 92%               | 100%                | 91%                   | 71%                   | 83%               |
| North Macedonia                  | 98%                  | 99%               | 96%                 | 89%                   | 84%                   | 85%               |
| † Northern Ireland               | 74%                  | 90%               | 100%                | 90%                   | 67%                   | 81%               |
| Norway (5)                       | 98%                  | 99%               | 100%                | 95%                   | 93%                   | 94%               |
| Oman                             | 97%                  | 97%               | 100%                | 89%                   | 86%                   | 86%               |
| Poland                           | 93%                  | 100%              | 99%                 | 87%                   | 81%                   | 87%               |
| Portugal                         | 82%                  | 100%              | 100%                | 96%                   | 78%                   | 96%               |
| Qatar                            | 99%                  | 99%               | 100%                | 89%                   | 88%                   | 88%               |
| Russian Federation               | 99%                  | 100%              | 100%                | 97%                   | 96%                   | 97%               |
| Saudi Arabia                     | 95%                  | 100%              | 100%                | 93%                   | 89%                   | 93%               |
| Serbia                           | 100%                 | 100%              | 99%                 | 87%                   | 86%                   | 86%               |
| Singapore                        | 100%                 | 100%              | 100%                | 97%                   | 97%                   | 97%               |
| † Slovak Republic                | 80%                  | 94%               | 100%                | 92%                   | 73%                   | 87%               |
| Slovenia                         | 95%                  | 97%               | 100%                | 95%                   | 90%                   | 92%               |
| South Africa ☒                   | 97%                  | 98%               | 98%                 | 87%                   | 83%                   | 84%               |
| Spain                            | 100%                 | 100%              | 100%                | 92%                   | 92%                   | 92%               |
| Sweden                           | 95%                  | 97%               | 100%                | 93%                   | 88%                   | 90%               |
| Türkiye                          | 100%                 | 100%              | 100%                | 90%                   | 90%                   | 90%               |
| United Arab Emirates             | 100%                 | 100%              | 100%                | 91%                   | 90%                   | 90%               |
| ≡ United States                  | 54%                  | 67%               | 100%                | 95%                   | 51%                   | 64%               |
| Uzbekistan                       | 99%                  | 100%              | 100%                | 99%                   | 97%                   | 99%               |
| <b>Benchmarking Participants</b> |                      |                   |                     |                       |                       |                   |
| ≡ Alberta, Canada                | 55%                  | 68%               | 91%                 | 91%                   | 46%                   | 57%               |
| British Columbia, Canada         | 97%                  | 99%               | 97%                 | 91%                   | 86%                   | 88%               |
| Newfoundland & Labrador, Canada  | 99%                  | 99%               | 100%                | 93%                   | 92%                   | 92%               |
| ≡ Quebec, Canada                 | 62%                  | 69%               | 99%                 | 95%                   | 57%                   | 64%               |
| Moscow City, Russian Federation  | 100%                 | 100%              | 100%                | 98%                   | 97%                   | 98%               |
| South Africa (6) ☒               | 98%                  | 99%               | 99%                 | 90%                   | 88%                   | 89%               |
| Abu Dhabi, UAE                   | 100%                 | 100%              | 99%                 | 89%                   | 88%                   | 88%               |
| Dubai, UAE                       | 99%                  | 99%               | 100%                | 92%                   | 92%                   | 92%               |

PIRLS 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