

# Standard Error Tables

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**Table S-1. Standard errors for Figure 1: Percentage of fourth-grade students reaching the PIRLS international benchmarks in reading, by jurisdiction: 2006**

Jurisdiction	Advanced (625)	High (550)	Intermediate (475)	Low (400)
Singapore	1.4	1.7	1.0	0.4
Russian Federation	1.5	2.0	1.1	0.5
Canada, Alberta	1.1	1.6	0.8	0.2
Bulgaria	1.4	2.3	1.8	1.0
Canada, British Columbia	1.3	1.6	1.0	0.3
Canada, Ontario	1.1	1.9	1.1	0.5
England	0.9	1.3	1.1	0.7
Luxembourg	0.6	0.8	0.5	0.2
Hong Kong SAR	1.0	1.6	0.8	0.2
Hungary	0.9	1.8	1.4	0.5
Italy	1.4	1.8	1.3	0.4
New Zealand	0.7	1.0	1.0	0.6
Canada, Nova Scotia	1.0	1.2	1.0	0.4
<b>United States</b>	<b>1.2</b>	<b>2.0</b>	<b>1.4</b>	<b>0.6</b>
Denmark	0.8	1.4	1.0	0.4
Germany	0.9	1.6	0.8	0.3
Sweden	0.9	1.5	1.0	0.4
Israel	1.0	1.3	1.3	1.2
Scotland	0.8	1.4	1.4	0.8
Latvia	0.8	1.5	1.2	0.4
Slovak Republic	0.6	1.5	1.3	0.9
Austria	0.9	1.5	1.1	0.4
Belgium (Flemish)	0.6	1.5	0.9	0.2
Chinese Taipei	0.7	1.3	1.0	0.4
Poland	0.5	1.2	1.1	0.7
Netherlands	0.5	1.2	0.8	0.2
Canada, Quebec	0.8	1.9	1.3	0.4
Slovenia	0.6	1.2	1.1	0.5
Lithuania	0.8	1.3	0.9	0.3
France	0.6	1.2	1.2	0.4
Spain	0.5	1.3	1.3	0.8
Romania	0.5	1.6	2.2	1.8
Iceland	0.4	1.1	0.8	0.8
Belgium (French)	0.4	1.3	1.6	0.7
Moldova, Republic of	0.4	1.5	1.9	0.9
Macedonia, Republic of	0.4	1.1	1.7	1.6
Trinidad and Tobago	0.5	1.2	1.7	2.0
Norway	0.3	1.1	1.6	0.8
South Africa	0.4	0.9	1.4	1.6
Georgia	0.4	1.3	1.8	1.3
Iran, Islamic Rep. of	0.2	0.7	1.3	1.6
Indonesia	†	0.3	1.6	2.1
Morocco	†	0.4	1.2	2.0
Kuwait	†	0.3	0.8	1.2
Qatar	†	0.2	0.4	0.7

† Not applicable.

SOURCE: International Association for the Evaluation of Educational Achievement (IEA), Progress in International Reading Literacy Study (PIRLS), 2006.

**Table S-2. Standard errors for Figure 2: Change in average PIRLS reading literacy scores of fourth-grade students in selected jurisdictions, by jurisdiction: 2001 to 2006**

Average score		Jurisdiction, ordered by 2006 score	Change in score
2001	2006		
4.4	3.4	Russian Federation	5.6
3.1	2.4	Hong Kong SAR	3.9
5.2	2.9	Singapore	6.0
3.3	2.7	Canada, Ontario	4.3
2.2	3.0	Hungary	3.7
2.4	2.9	Italy	3.8
2.2	2.3	Sweden	3.2
1.9	2.2	Germany	2.9
2.5	1.5	Netherlands	2.9
3.8	4.4	Bulgaria	5.8
2.3	2.3	Latvia	3.3
<b>3.8</b>	<b>3.5</b>	<b>United States</b>	<b>5.2</b>
3.4	2.6	England	4.3
2.6	1.6	Lithuania	3.1
3.0	2.8	Canada, Quebec	4.1
3.6	2.0	New Zealand	4.1
2.8	2.8	Slovak Republic	4.0
3.6	2.8	Scotland	4.6
2.4	2.1	France	3.2
2.0	2.1	Slovenia	2.9
2.8	3.3	Israel	4.3
1.2	1.3	Iceland	1.8
4.0	3.0	Moldova	5.0
2.9	2.6	Norway	3.9
4.6	5.0	Romania	6.8
4.6	4.1	Macedonia	6.2
4.2	3.1	Iran, Islamic Republic of	5.2
9.6	5.9	Morocco	11.3

SOURCE: Baer, J., Baldi, S., Ayotte, K., and Green, P. (2007). *The Reading Literacy of U.S. Fourth-Grade Students in an International Context: Results From the 2001 and 2006 Progress in International Reading Literacy Study (PIRLS)* (NCES 2008-017), figure 3 and table 2. National Center for Education Statistics, Institute of Education Sciences, U.S. Department of Education. Washington, DC; Ogle, L., Sen, A., Pahlke, E., Jocelyn, L., Kastberg, D., Roey, S., and Williams, T. (2003). *International Comparisons in Fourth-Grade Reading Literacy: Findings from the Progress in International Reading Literacy Study (PIRLS) of 2001* (NCES 2003-073), figure 3. National Center for Education Statistics, Institute of Education Sciences, U.S. Department of Education. Washington, DC.

**Table S-3. Standard errors for Figure 3: Percentage distribution of 15-year-old students on PISA reading literacy scale, by proficiency level and jurisdiction: 2003**

Jurisdiction	Level 5 (> 625)	Levels 2-4 (408-625)	Level 1 (335-407)	Below level 1 (< 335)
New Zealand	0.8	0.9	0.6	0.5
Finland	0.7	0.7	0.4	0.2
Australia	0.7	0.8	0.4	0.4
Liechtenstein	2.5	3.0	1.7	1.0
Canada	0.5	0.7	0.5	0.2
Belgium	0.5	1.0	0.6	0.7
Korea, Republic of	1.1	1.2	0.6	0.3
Sweden	0.7	0.9	0.7	0.5
Norway	0.7	1.1	0.8	0.6
Japan	0.9	1.4	0.8	0.8
Germany	0.6	1.1	0.9	0.8
Ireland	0.7	0.9	0.7	0.5
<b>United States</b>	<b>0.7</b>	<b>1.0</b>	<b>0.9</b>	<b>0.7</b>
Netherlands	0.7	1.2	0.9	0.5
Austria	0.8	1.1	1.0	0.8
Poland	0.6	1.1	0.7	0.5
Switzerland	0.8	1.0	0.7	0.5
France	0.6	1.2	0.7	0.7
Iceland	0.6	0.8	0.7	0.6
Czech Republic	0.6	1.4	0.9	0.9
Latvia	0.7	1.2	1.0	0.6
Hong Kong-China	0.5	1.3	0.8	0.7
Greece	0.7	1.1	0.8	0.8
Uruguay	0.7	1.2	0.8	1.0
Luxembourg	0.4	0.8	0.7	0.4
Italy	0.3	1.2	0.8	0.9
Denmark	0.5	0.9	0.7	0.6
Spain	0.5	0.9	0.7	0.7
Hungary	0.6	1.0	0.9	0.7
Portugal	0.5	1.5	0.9	0.9
Turkey	1.2	2.4	1.5	1.2
Slovak Republic	0.4	1.5	1.0	0.8
Brazil	0.5	1.5	1.2	1.6
Russian Federation	0.3	1.7	1.0	1.1
Macao-China	0.5	1.4	1.3	0.3
Thailand	0.1	1.4	1.2	1.0
Mexico	0.1	1.8	1.2	1.5
Tunisia	0.1	1.3	0.9	1.3
Serbia and Montenegro (Ser.)	0.1	1.9	1.3	1.1
Indonesia	0.1	1.8	1.2	1.5

SOURCE: Organization for Economic Cooperation and Development (OECD), Program for International Student Assessment (PISA), 2003.

**Table S-4. Standard errors for Figure 4: Change in average PISA reading literacy scores of 15-year-old students in selected jurisdictions, by jurisdiction: 2000 to 2003**

Average score		Jurisdiction, ordered by 2003 score	Change in score
2000	2003		
2.6	1.6	Finland	6.1
2.4	3.1	Korea, Republic of	6.6
1.6	1.8	Canada	5.8
3.5	2.1	Australia	6.7
4.1	3.6	Liechtenstein	7.6
2.8	2.5	New Zealand	6.5
3.2	2.6	Ireland	6.8
2.2	2.4	Sweden	6.2
3.6	2.6	Belgium	6.9
2.8	2.8	Norway	6.6
4.2	3.3	Switzerland	7.5
5.2	3.9	Japan	8.4
4.5	2.9	Poland	7.5
2.7	2.7	France	6.5
<b>7.1</b>	<b>3.2</b>	<b>United States</b>	<b>9.4</b>
2.4	2.8	Denmark	6.5
1.5	1.6	Iceland	5.7
2.5	3.4	Germany	6.8
2.4	3.8	Austria	6.9
5.3	3.7	Latvia	8.3
2.4	3.5	Czech Republic	6.8
4.0	2.5	Hungary	7.1
2.7	2.6	Spain	6.5
1.6	1.5	Luxembourg	5.7
4.5	3.7	Portugal	7.9
2.9	3.0	Italy	6.8
5.0	4.1	Greece	8.4
4.2	3.9	Russian Federation	7.8
3.1	4.6	Brazil	7.7
3.3	4.1	Mexico	7.5

SOURCE: Organization for Economic Cooperation and Development (OECD), Program for International Student Assessment (PISA), 2000 and 2003.

**Table S-5. Standard errors for Figure 5: Percentage of fourth-grade students reaching the TIMSS international benchmarks in mathematics, by jurisdiction: 2007**

Jurisdiction	Advanced (625)	High (550)	Intermediate (475)	Low (400)
Singapore	2.1	1.7	0.9	0.3
Hong Kong SAR	2.2	1.6	0.5	0.1
Chinese Taipei	1.2	1.2	0.5	0.2
Japan	1.2	1.2	0.8	0.4
Kazakhstan	2.1	3.5	2.9	1.5
England	1.2	1.4	1.2	0.7
Russian Federation	1.8	2.3	1.7	0.7
Latvia	0.8	1.5	1.2	0.5
<b>United States</b>	<b>0.8</b>	<b>1.3</b>	<b>1.2</b>	<b>0.5</b>
Lithuania	0.7	1.4	1.4	0.7
Hungary	0.8	1.4	1.7	1.2
Australia	0.8	1.9	1.7	1.0
Armenia	1.5	1.8	1.8	1.2
Denmark	0.7	1.5	1.2	0.8
Netherlands	0.7	1.6	1.3	0.4
Germany	0.5	1.3	1.2	0.5
Italy	0.7	1.6	1.6	1.0
New Zealand	0.5	1.0	1.1	1.0
Slovak Republic	0.7	1.4	1.8	1.5
Scotland	0.5	1.1	1.4	0.9
Slovenia	0.4	1.1	0.9	0.6
Austria	0.3	1.0	1.4	0.8
Sweden	0.3	1.4	1.4	0.7
Ukraine	0.5	1.1	1.5	1.2
Czech Republic	0.4	1.4	1.6	1.1
Norway	0.3	1.0	1.6	1.1
Georgia	0.4	1.0	1.8	2.0
Colombia	†	0.4	1.1	2.0
Morocco	†	0.8	1.1	2.0
Iran, Islamic Republic of	†	0.5	1.5	2.0
Algeria	†	0.4	1.4	2.2
Tunisia	†	0.2	0.7	1.6
El Salvador	†	0.2	0.5	1.6
Kuwait	†	†	0.6	1.2
Qatar	†	†	0.2	0.4
Yemen	†	†	0.4	0.8

† Not applicable.

SOURCE: International Association for the Evaluation of Educational Achievement (IEA), Trends in International Mathematics and Science Study (TIMSS), 2007.

**Table S-6. Standard errors for Figure 6: Percentage of eighth-grade students reaching the TIMSS international benchmarks in mathematics, by jurisdiction: 2007**

Jurisdiction	Advanced (625)	High (550)	Intermediate (475)	Low (400)
Chinese Taipei	1.9	1.5	1.2	0.6
Korea, Republic of	1.2	1.1	0.7	0.3
Singapore	1.9	2.0	1.4	0.6
Hong Kong SAR	2.1	2.6	2.1	1.1
Japan	1.3	1.2	0.9	0.3
Hungary	1.0	1.6	1.6	1.0
England	1.5	2.5	2.3	1.4
Russian Federation	0.9	1.8	2.1	1.2
Lithuania	0.7	1.1	1.3	0.8
<b>United States</b>	<b>0.6</b>	<b>1.5</b>	<b>1.4</b>	<b>0.8</b>
Australia	1.3	1.8	1.9	1.0
Armenia	0.9	1.9	1.4	0.8
Czech Republic	0.7	1.2	1.4	0.8
Turkey	0.6	1.3	1.8	1.8
Serbia	0.8	1.3	1.8	1.2
Malta	0.4	0.8	0.6	0.5
Bulgaria	0.8	1.5	1.9	1.7
Slovenia	0.6	1.0	1.4	0.8
Israel	0.5	1.3	1.7	1.4
Romania	0.6	1.3	1.8	1.7
Scotland	0.6	1.8	2.2	1.3
Thailand	0.8	1.7	2.2	2.0
Ukraine	0.5	1.1	1.7	1.5
Italy	0.6	1.2	1.5	1.1
Malaysia	0.5	2.1	2.7	1.9
Cyprus	0.3	0.8	0.9	0.7
Sweden	0.3	1.0	1.3	0.9
Jordan	0.2	0.8	1.7	1.8
Bosnia and Herzegovina	0.2	0.7	1.4	1.3
Iran, Islamic Republic of	0.2	0.9	1.7	1.9
Lebanon	0.2	1.2	2.4	2.3
Georgia	0.3	0.8	1.7	2.8
Egypt	0.1	0.4	1.0	1.5
Indonesia	†	0.6	1.4	1.9
Norway	†	0.7	1.5	0.8
Palestinian National Authority	†	0.4	0.9	1.4
Colombia	†	0.3	1.1	2.1
Bahrain	†	0.3	0.7	0.9
Syrian Arab Republic	†	0.5	1.3	1.9
Tunisia	†	0.3	1.2	1.5
Oman	†	0.3	1.1	1.5
Qatar	†	†	0.2	0.5
Kuwait	†	†	0.5	1.3
Botswana	†	0.1	0.7	1.3
El Salvador	†	†	0.5	1.2
Ghana	†	†	0.7	1.4
Algeria	†	†	0.5	1.4
Saudi Arabia	†	†	0.4	1.1

† Not applicable.

SOURCE: International Association for the Evaluation of Educational Achievement (IEA), Trends in International Mathematics and Science Study (TIMSS), 2007.

**Table S-7. Standard errors for Figure 7: Change in average TIMSS mathematics scores of fourth-grade students in selected jurisdictions, by jurisdiction: 1995 to 2007**

Average score		Jurisdiction, ordered by 2007 score	Change in score
1995	2007		
4.0	3.6	Hong Kong SAR	5.4
4.5	3.7	Singapore	5.9
1.9	2.1	Japan	2.8
3.3	2.9	England	4.4
4.6	2.3	Latvia (LSS)	5.1
3.0	2.1	Netherlands	3.7
<b>3.0</b>	<b>2.4</b>	<b>United States</b>	<b>3.8</b>
3.4	3.5	Australia	4.9
3.6	3.5	Hungary	5.1
2.9	2.0	Austria	3.6
3.1	1.8	Slovenia	3.6
4.2	2.2	Scotland	4.7
4.4	2.3	New Zealand	4.9
3.1	2.8	Czech Republic	4.1
3.0	2.5	Norway	4.0
5.0	4.1	Iran, Islamic Republic of	6.4

SOURCE: International Association for the Evaluation of Educational Achievement (IEA), Trends in International Mathematics and Science Study (TIMSS), 1995 and 2007.

**Table S-8. Standard errors for Figure 8: Change in average TIMSS mathematics scores of eighth-grade students in selected jurisdictions, by jurisdiction: 1995 to 2007**

Average score		Jurisdiction, ordered by 2007 score	Change in score
1995	2007		
2.0	2.7	Korea, Republic of	3.3
4.0	3.8	Singapore	5.5
6.1	5.8	Hong Kong SAR	8.4
1.6	2.4	Japan	2.9
3.2	3.5	Hungary	4.7
3.0	4.8	England	5.7
5.3	4.1	Russian Federation	6.7
<b>4.7</b>	<b>2.8</b>	<b>United States</b>	<b>5.5</b>
4.1	2.3	Lithuania	4.7
4.5	2.4	Czech Republic	5.1
2.9	2.1	Slovenia	3.6
3.7	3.9	Australia	5.4
4.3	2.3	Sweden	4.8
5.7	3.7	Scotland	6.8
2.2	2.0	Norway	2.9
2.2	1.6	Cyprus	2.8
5.8	5.0	Bulgaria	7.6
4.6	4.1	Romania	6.1
3.9	4.1	Iran, Islamic Republic of	5.7
5.6	3.6	Colombia	6.7

SOURCE: International Association for the Evaluation of Educational Achievement (IEA), Trends in International Mathematics and Science Study (TIMSS), 1995 and 2007.



**Table S-9. Standard errors for Figure 9: Percentage distribution of 15-year-old students on PISA mathematics literacy scale, by proficiency level and jurisdiction: 2006**

Jurisdiction	Level 6 (> 669)	Levels 2–5 (420–669)	Level 1 (358–420)	Below level 1 (< 358)
Chinese Taipei	0.8	1.1	0.7	0.6
Korea, Republic of	1.3	1.5	0.7	0.5
Hong Kong–China	0.8	1.3	0.6	0.5
Switzerland	0.6	0.9	0.6	0.5
Belgium	0.4	1.1	0.7	0.9
Finland	0.5	0.7	0.5	0.2
Czech Republic	0.7	1.2	0.8	0.7
Liechtenstein	1.2	2.2	2.0	1.1
New Zealand	0.5	0.9	0.8	0.3
Netherlands	0.6	1.2	0.8	0.6
Japan	0.5	1.2	0.7	0.6
Germany	0.5	1.3	0.8	1.0
Canada	0.4	0.6	0.5	0.3
Australia	0.5	0.5	0.4	0.3
Macao–China	0.4	0.7	0.6	0.3
Austria	0.5	1.5	1.1	0.9
Slovenia	0.4	0.8	0.8	0.3
Sweden	0.4	1.0	0.8	0.6
Denmark	0.4	1.0	0.7	0.5
Hungary	0.5	1.1	0.8	0.6
Estonia	0.4	1.0	0.8	0.5
France	0.5	1.4	1.0	0.8
Iceland	0.3	0.8	0.7	0.4
United Kingdom	0.3	0.8	0.7	0.6
Slovak Republic	0.4	1.1	0.9	0.7
Luxembourg	0.3	0.7	0.7	0.5
Norway	0.3	1.2	1.0	0.7
Poland	0.3	0.8	0.7	0.4
Lithuania	0.4	1.1	0.8	0.6
Russian Federation	0.3	1.6	1.1	0.9
Ireland	0.2	1.2	0.9	0.5
Israel	0.2	1.7	1.0	1.5
<b>United States</b>	<b>0.2</b>	<b>1.7</b>	<b>0.9</b>	<b>1.2</b>
Italy	0.3	0.9	0.7	0.7
Turkey	0.5	1.6	1.4	1.4
Spain	0.2	1.0	0.8	0.5
Latvia	0.3	1.2	0.9	0.6
Greece	0.2	1.3	1.2	1.1
Portugal	0.2	1.5	0.9	1.0
Croatia	0.2	1.2	0.9	0.7
Bulgaria	0.3	2.4	1.1	2.2
Uruguay	0.2	1.2	1.0	1.1
Serbia	0.1	1.7	1.1	1.3
Azerbaijan	0.1	1.0	1.0	0.1
Thailand	0.1	1.3	1.4	1.3
Brazil	0.1	1.2	1.2	1.4
Romania	0.1	2.2	1.9	2.2
Argentina	0.1	2.5	1.5	2.7
Chile	0.1	2.2	1.2	1.9
Qatar	0.0	0.6	0.5	0.5
Mexico	0.0	1.3	0.9	1.4
Montenegro	0.1	1.0	0.8	0.9
Colombia	0.0	1.6	1.1	1.8
Tunisia	†	1.8	1.1	1.8
Indonesia	†	3.1	1.6	2.2
Kyrgyzstan	†	0.9	1.0	1.5
Jordan	†	1.6	1.0	1.4

† Not applicable.

SOURCE: Organization for Economic Cooperation and Development (OECD), Program for International Student Assessment (PISA), 2006.

**Table S-10. Standard errors for Figure 10: Change in average PISA mathematics literacy scores of 15-year-old students in selected jurisdictions, by jurisdiction: 2003 to 2006**

Average score		Jurisdiction, ordered by 2006 score	Change in score
2003	2006		
1.9	2.3	Finland	3.3
4.5	2.7	Hong Kong SAR	5.4
3.2	3.8	Korea, Republic of	5.2
3.1	2.6	Netherlands	4.3
3.4	3.2	Switzerland	4.8
1.8	2.0	Canada	3.0
2.9	1.3	Macao-China	3.5
4.1	4.2	Liechtenstein	6.1
4.0	3.3	Japan	5.4
2.3	2.4	New Zealand	3.6
2.3	3.0	Belgium	4.0
2.1	2.2	Australia	3.4
2.7	2.6	Denmark	4.0
3.5	3.6	Czech Republic	5.2
1.4	1.8	Iceland	2.7
3.3	3.7	Austria	5.2
3.3	3.9	Germany	5.3
2.6	2.4	Sweden	3.8
2.4	2.8	Ireland	4.0
2.5	3.2	France	4.3
2.5	2.4	Poland	3.8
3.3	2.8	Slovak Republic	4.6
2.8	2.9	Hungary	4.3
1.0	1.1	Luxembourg	2.0
2.4	2.6	Norway	3.8
3.7	3.0	Latvia	5.0
2.4	2.3	Spain	3.6
4.2	3.9	Russian Federation	5.9
<b>2.9</b>	<b>4.0</b>	<b>United States</b>	<b>5.2</b>
3.4	3.1	Portugal	4.8
3.1	2.3	Italy	4.1
3.9	3.0	Greece	5.1
3.8	3.5	Serbia	5.3
3.3	2.6	Uruguay	4.4
6.7	4.9	Turkey	8.4
3.0	2.3	Thailand	4.0
3.6	2.9	Mexico	4.9
3.9	5.6	Indonesia	7.0
4.8	2.9	Brazil	5.8
2.5	4.0	Tunisia	4.9

SOURCE: Organization for Economic Cooperation and Development (OECD), Program for International Student Assessment (PISA), 2003 and 2006.

**Table S-11. Standard errors for Figure 11: Percentage of fourth-grade students reaching the TIMSS international benchmarks in science, by jurisdiction: 2007**

Jurisdiction	Advanced (625)	High (550)	Intermediate (475)	Low (400)
Singapore	1.9	1.9	1.1	0.5
Chinese Taipei	1.0	1.2	0.7	0.4
Russian Federation	1.9	2.3	1.7	0.9
<b>United States</b>	<b>0.9</b>	<b>1.4</b>	<b>1.1</b>	<b>0.6</b>
England	1.2	1.6	1.1	0.6
Hong Kong SAR	1.4	2.2	1.2	0.4
Hungary	1.0	1.8	1.6	0.8
Italy	1.0	1.6	1.3	0.7
Japan	1.0	1.1	1.0	0.4
Armenia	1.8	1.8	1.8	1.6
Slovak Republic	0.8	2.0	1.8	1.3
Australia	0.7	2.2	1.6	0.8
Latvia	1.1	1.7	1.3	0.4
Germany	0.7	1.3	1.2	0.6
Kazakhstan	1.3	3.1	2.6	1.0
Austria	0.7	1.3	1.3	0.6
Sweden	0.6	1.6	1.5	0.6
New Zealand	0.5	1.0	1.2	1.0
Czech Republic	0.7	1.9	1.4	0.8
Denmark	0.8	1.5	1.5	0.8
Slovenia	0.6	1.3	1.0	0.6
Scotland	0.6	1.2	1.3	0.8
Netherlands	0.8	1.8	1.4	0.5
Lithuania	0.4	1.4	1.4	0.6
Ukraine	0.3	1.1	1.5	1.3
Iran, Islamic Republic of	0.3	1.0	1.7	1.9
Norway	0.4	1.4	2.0	1.4
Colombia	0.2	0.8	1.7	2.4
Georgia	0.2	0.8	2.0	2.1
El Salvador	†	0.5	1.2	1.5
Kuwait	†	0.6	1.3	1.3
Morocco	†	0.5	1.4	1.9
Algeria	†	0.5	1.3	2.1
Tunisia	†	0.6	1.1	1.7
Qatar	†	0.2	0.3	0.7
Yemen	†	†	0.5	1.1

† Not applicable.

SOURCE: International Association for the Evaluation of Educational Achievement (IEA), Trends in International Mathematics and Science Study (TIMSS), 2007.

**Table S-12. Standard errors for Figure 12: Percentage of eighth-grade students reaching the TIMSS international benchmarks in science, by jurisdiction: 2007**

Jurisdiction	Advanced (625)	High (550)	Intermediate (475)	Low (400)
Singapore	1.6	2.2	1.8	1.1
Chinese Taipei	1.5	1.9	1.2	0.6
Japan	0.9	1.1	0.8	0.4
England	1.6	2.3	1.9	0.9
Korea, Republic of	0.9	1.1	0.8	0.4
Hungary	1.1	1.6	1.3	0.7
Czech Republic	0.9	1.4	0.8	0.4
Slovenia	0.7	1.2	1.1	0.5
Russian Federation	1.0	2.1	1.6	0.7
Hong Kong SAR	1.0	2.6	2.2	1.3
<b>United States</b>	<b>0.7</b>	<b>1.4</b>	<b>1.3</b>	<b>0.7</b>
Armenia	1.7	2.0	2.4	1.3
Australia	1.4	1.8	1.7	0.8
Lithuania	0.6	1.4	1.4	0.8
Sweden	0.6	1.2	1.4	0.8
Jordan	0.6	1.5	1.8	1.4
Malta	0.3	0.6	0.7	0.6
Bulgaria	0.9	1.8	2.4	2.1
Scotland	0.6	1.5	1.8	1.1
Israel	0.6	1.4	1.9	1.8
Italy	0.7	1.3	1.4	1.0
Turkey	0.5	1.2	1.7	1.5
Ukraine	0.4	1.4	1.8	1.3
Thailand	0.8	1.9	2.2	1.5
Malaysia	0.7	2.2	2.7	2.2
Iran, Islamic Republic of	0.5	1.2	1.8	1.7
Bahrain	0.4	0.8	0.9	0.7
Serbia	0.3	1.1	1.6	1.1
Romania	0.3	1.2	1.9	1.6
Norway	0.2	1.0	1.4	0.9
Bosnia and Herzegovina	0.3	1.0	1.7	1.2
Cyprus	0.3	0.8	1.1	1.0
Palestinian National Authority	0.2	0.6	1.2	1.5
Lebanon	0.4	1.2	2.1	2.9
Syrian Arab Republic	0.2	0.8	1.6	1.5
Egypt	0.1	0.6	1.4	1.6
Oman	0.2	0.6	1.2	1.4
Colombia	0.1	0.5	1.5	2.1
Kuwait	†	0.7	1.2	1.4
Georgia	†	0.7	1.9	2.4
Indonesia	†	0.6	1.8	2.0
Tunisia	†	0.5	1.3	1.2
Saudi Arabia	†	0.5	1.0	1.4
Qatar	†	0.2	0.5	0.6
Ghana	†	0.3	0.9	1.6
El Salvador	†	0.3	1.0	1.7
Botswana	†	0.3	0.7	1.3
Algeria	†	0.2	0.8	1.2

† Not applicable.

SOURCE: International Association for the Evaluation of Educational Achievement (IEA), Trends in International Mathematics and Science Study (TIMSS), 2007.

**Table S-13. Standard errors for Figure 13: Change in average TIMSS science scores of fourth-grade students in selected jurisdictions, by jurisdiction: 1995 to 2007**

Average score		Jurisdiction, ordered by 2007 score	Change in score
1995	2007		
4.8	4.1	Singapore	6.3
3.3	3.5	Hong Kong SAR	4.8
1.8	2.1	Japan	2.7
4.9	2.3	Latvia (LSS)	5.4
3.1	2.9	England	4.2
<b>3.3</b>	<b>2.7</b>	<b>United States</b>	<b>4.2</b>
3.4	3.3	Hungary	4.8
3.6	3.3	Australia	4.9
3.6	2.5	Austria	4.4
3.2	2.6	Netherlands	4.1
3.1	1.9	Slovenia	3.7
3.0	3.1	Czech Republic	4.4
5.3	2.6	New Zealand	5.9
4.5	2.3	Scotland	5.0
3.7	3.5	Norway	5.1
4.6	4.3	Iran, Islamic Republic of	6.2

SOURCE: International Association for the Evaluation of Educational Achievement (IEA), Trends in International Mathematics and Science Study (TIMSS), 1995 and 2007.

**Table S-14. Standard errors for Figure 14: Change in average TIMSS science scores of eighth-grade students in selected jurisdictions, by jurisdiction: 1995 to 2007**

Average score		Jurisdiction, ordered by 2007 score	Change in score
1995	2007		
5.5	4.4	Singapore	7.1
1.8	1.9	Japan	2.6
2.0	2.0	Korea, Republic of	2.9
3.6	4.5	England	5.7
3.1	2.9	Hungary	4.3
4.5	1.9	Czech Republic	4.9
2.7	2.2	Slovenia	3.5
5.8	4.9	Hong Kong SAR	7.6
4.5	3.9	Russian Federation	5.9
<b>5.6</b>	<b>2.9</b>	<b>United States</b>	<b>6.3</b>
4.0	2.6	Lithuania	4.8
4.0	3.6	Australia	5.4
4.4	2.6	Sweden	5.1
5.6	3.4	Scotland	6.6
2.4	2.2	Norway	3.2
5.1	3.9	Romania	6.4
3.6	3.6	Iran, Islamic Republic of	5.1
2.1	2.0	Cyprus	2.9
6.2	3.5	Colombia	7.1

SOURCE: International Association for the Evaluation of Educational Achievement (IEA), Trends in International Mathematics and Science Study (TIMSS), 1995 and 2007.

**Table S-15. Standard errors for Figure 15: Percentage distribution of 15-year-old students on PISA science literacy scale, by proficiency level and jurisdiction: 2006**

Jurisdiction	Levels 5-6 (> 633)	Levels 2-4 (410-633)	Level 1 (335-410)	Below level 1 (< 335)
Finland	0.8	0.8	0.4	0.1
New Zealand	0.8	0.9	0.6	0.4
Hong Kong-China	0.9	1.2	0.7	0.4
Japan	0.8	1.1	0.7	0.4
Chinese Taipei	0.9	1.1	0.8	0.3
Australia	0.7	0.6	0.5	0.3
Canada	0.5	0.7	0.5	0.3
United Kingdom	0.6	0.9	0.6	0.5
Netherlands	0.9	1.4	0.9	0.4
Slovenia	0.6	0.8	0.7	0.3
Liechtenstein	1.7	2.4	2.1	1.0
Germany	0.7	1.1	1.0	0.7
Czech Republic	0.9	1.2	0.8	0.6
Estonia	0.8	0.8	0.6	0.2
Switzerland	0.8	0.9	0.6	0.5
Korea, Republic of	1.1	1.3	0.8	0.5
Belgium	0.5	1.0	0.6	0.7
Austria	0.8	1.3	1.0	0.9
Ireland	0.7	1.0	0.8	0.5
<b>United States</b>	<b>0.7</b>	<b>1.3</b>	<b>0.9</b>	<b>0.9</b>
France	0.7	1.5	1.0	0.7
Sweden	0.5	0.8	0.6	0.4
Hungary	0.6	1.0	0.8	0.3
Denmark	0.7	1.0	0.8	0.6
Poland	0.5	0.8	0.6	0.4
Iceland	0.5	0.9	0.8	0.5
Norway	0.5	1.2	0.8	0.8
Luxembourg	0.4	0.7	0.7	0.4
Slovak Republic	0.5	1.0	0.9	0.6
Macao-China	0.4	0.6	0.5	0.2
Israel	0.6	1.4	1.0	1.2
Croatia	0.5	1.0	0.7	0.4
Lithuania	0.7	1.0	0.8	0.4
Spain	0.4	0.8	0.7	0.4
Italy	0.3	0.9	0.6	0.5
Russian Federation	0.5	1.4	1.1	0.7
Latvia	0.4	1.1	1.0	0.5
Greece	0.4	1.2	0.9	0.9
Portugal	0.4	1.4	1.0	0.8
Bulgaria	0.6	2.2	1.3	1.7
Chile	0.3	2.0	1.5	1.1
Uruguay	0.2	1.4	1.1	1.2
Turkey	0.3	1.5	1.3	0.8
Serbia	0.2	1.6	1.2	0.9
Jordan	0.2	1.2	0.9	0.9
Brazil	0.2	1.4	1.0	1.0
Romania	†	2.4	1.6	1.5
Argentina	†	2.5	1.4	2.3
Thailand	†	1.2	1.0	0.8
Qatar	†	0.4	0.6	0.6
Montenegro	†	0.9	1.2	0.8
Mexico	†	1.4	0.9	1.2
Colombia	†	1.8	1.6	1.7
Tunisia	†	1.4	0.9	1.1
Kyrgyzstan	†	1.0	1.1	1.6
Indonesia	†	3.4	2.2	1.7
Azerbaijan	†	1.9	1.6	1.5

† Not applicable.

SOURCE: Organization for Economic Cooperation and Development (OECD), Program for International Student Assessment (PISA), 2006.