## Appendix C

## Population Coverage and Sample Participation Rates

| Country | Country's Name for Fourth Year of Formal Schooling* | Average Age at Time of Testing | Information About Age of Entry, Promotion, and Retention |
| :---: | :---: | :---: | :---: |
| Australia | Year 4 | 10.0 | Varies by state, but children generally must begin school by age 6 . Most children actually begin school at the minimum age of $4.5-5$, and the age of entry policy has been revised within the past ten years. Policy on promotion and retention varies by state but, generally, there is automatic promotion for Grades 1-8. |
| Austria | Grade 4 | 10.3 | Children must begin school in the September following their 6th birthday, but parents can request early admission for children who turn 6 by March 1st of the following year. Automatic promotion for Grade 1, but there is retention in Grades 2-4 for students failing one or more compulsory subjects. |
| Azerbaijan | Grade 4 | 10.2 | Children must be 6 years old by the end of September to begin school on September 15 of that year, but children the Ministry of Education identifies as talented who are born before the end of November can begin school in September of the year they turn 6. Promotion is automatic for Grades $1-4$, but is dependent on academic progress for Grades 5-8. |
| Belgium (French) | Grade 4 | 10.1 | Children must begin school in the September of the calendar year of their 6th birthday. Students can be retained one additional year in Grades 1-2, Grades 3-6, and Grades 7-8. |
| Bulgaria | Grade 4 | 10.7 | Children begin school the calendar year of their 7th birthday, but they may begin at age 6 at parent or guardian discretion. There is automatic promotion for Grades 1-4, with remedial summer courses instead of retention. There are two chances to pass a supplementary exam before retention for Grades 5-8. |
| Canada | Grade 4 | 9.9 | Varies by province |
| Chinese Taipei | Grade 4 | 10.2 | Children must be 6 years old before September 1st to begin school in the September of the same calendar year. There is automatic promotion for Grades 1-8. |
| Colombia | Grade 4 | 10.4 | Children must be at least 6 years old to begin school, although some students start school somewhat older. Schools define promotion and retention policies. |
| Croatia | Grade 4 | 10.7 | The age of entry policy, which has changed within the past ten years, says that all children must begin school by 7 years old. Although children must be at least 6 years old by the end of March to begin the following September, children typically begin school at age 7 . Student promotion is dependent on meeting minimum standards in Grades 1-8. |
| Czech Republic | Grade 4 | 10.4 | Compulsory schooling begins at the beginning of the school year (September 1st) following the child's 6 th birthday unless granted a postponement, which an increasing number of parents are seeking. Promotion is dependent on academic progress in all compulsory subjects, but is automatic for students who have repeated a year. |
| Denmark | Grade 4 | 10.9 | Children begin preprimary education the year they turn 6 and primary education the following year. Delaying entry by a year requires municipal board approval, but parents can have their child begin a year early. This policy has changed within the past ten years. There is automatic promotion in Grades $1-8$, though in special cases students may be promoted or retained based on individual assessments, with parental consent. |
| England | Year 5 | 10.3 | Children begin school the term (typically September, January, or April) of their 5th birthday. Many local authorities make provision for all children to begin in the September of the school year in which they will turn 5 and some have changed the discretionary time so that children can begin at a younger age, although all of this is subject to parental discretion. There is no policy on promotion and retention. |
| Finland | Grade 4 | 10.8 | Children begin school the autumn of the year of their 7th birthday, although it is possible to enter school either one year earlier or one year later than the official policy, following discussions with an expert (e.g., school psychologist). There is automatic promotion for Grades 1-8, with retention only in extreme situations. |
| France | CM1 = Cours Moyen 1ère année - Average Course 1st year, or 'Second year of the 3rd Cycle' (Deepenings Cycle) | 10.0 | Children must start school at the beginning of the school year (September) in the calendar year of their 6th birthday, although parents and/or teachers can request that children start early. Promotion and retention are based on academic progress. Aside from exceptional circumstances, students can only be retained once during primary school. |
| Georgia | Grade 4 | 10.0 | Compulsory schooling begins at age 6 according to the Law on General Education, which has been updated within the past ten years. Promotion is automatic for Grades $1-4$, and dependent on academic progress for Grades 5-8. |


| Country | Country's Name for Fourth Year of Formal Schooling* | Average Age at Time of Testing | Information About Age of Entry, Promotion, and Retention |
| :---: | :---: | :---: | :---: |
| Germany | Grade 4 | 10.4 | Compulsory schooling begins the year a child turns 6 . Children must be at least 6 years old before a statutory qualifying date (which varies by state; in most states the date falls between June 30th and September 30th) to begin on August 1st. The official policy grants parents the right to request early admission or postponed enrollment, but the school administration has the final decision. The policy on age of entry has been revised within the past ten years. There is automatic promotion in Grade 1 , and promotion policies differ between states for later grades. |
| Hong Kong SAR | Primary 4 | 10.1 | Children begin school the September after they turn 5 years, 8 months old. Representatives of the Education Bureau may prescribe a maximum rate of repetition. |
| Hungary | Grade 4 | 10.7 | Children begin school during the calendar year they turn 6, if their birthday is before May 31st; however, children may begin during the calendar year of their 6th, 7th, or 8th birthday at parental request. Promotion is automatic in Grades 1-3, and dependent on academic progress for Grades 4-8. |
| Indonesia | Grade 4 | 10.4 | Children must be 7 years old by the end of June to begin on July 12 th, although parents have some choice in starting children at age 6 . Promotion is dependent on academic progress for Grades 1-8. |
| Iran, Islamic Rep. Of | Grade 4 | 10.2 | Children must be 6 years old by September 22nd to begin school September 23rd, although there are few private schools that allow registration at 6.5 years. Students with failing grades in June must take a cumulative exam in September to determine promotion or retention. |
| Ireland | Fourth class | 10.3 | The Education (Welfare) Act of 2000 requires children to attend primary schools from the time that they are 6 years old but not before they are 4. In practice, nearly half of 4-year-olds and almost all 5 -year-olds are enrolled in infant classes in primary schools. Children only are allowed to repeat a year for educational reasons and in exceptional circumstances. |
| Israel | Grade 4 | 10.1 | The official policy is that children begin school the calendar year of their 6th birthday, but parents have the final say if they feel their children are not ready to begin. There is retention only in exceptional cases. |
| Italy | Grade 4 | 9.7 | Children begin school the calendar year of their 6th birthday, but parents can enroll children who will turn 6 years old by April 30th of the following calendar year in the calendar year of their 5th birthday. The age of entry policy has been revised within the past ten years. Promotion is dependent on academic progress for Grades 1-8. |
| Lithuania | Grade 4 | 10.7 | Children must begin school by the calendar year of their 7th birthday, but parents can enroll children one year early if the child satisfies the requirements of the Ministry of Education and Science. The age of entry policy has been revised within the past ten years. There is no national policy on promotion and retention; decisions are made at the school level. |
| Malta | Year 5 | 9.8 | Children begin school in late September of the calendar year of their 5th birthday. Students repeat a class only in exceptional circumstances in primary school and on the basis of their academic performance and other factors in exceptional circumstances in secondary school. Students can be retained only once during each education cycle. |
| Morocco | Grade 4 | 10.5 | Children must be at least 5 years, 6 months old by the beginning of September to begin school, and parents rarely postpone the start. Promotion depends on academic progress for both primary and secondary grades. |
| Netherlands | Grade 6 | 10.2 | Children must begin kindergarten on the first school day of the month after their 5th birthday. Most children begin kindergarten when they turn 4 and primary education at age 6 , although some children begin primary education a year later at age 7. Promotion and retention are decided by the school, dependent on academic progress. |
| New Zealand | Year 5 | 10.1 | Children must be enrolled in school by their 6th birthday but have the right to begin school at age 5 , and nearly all children begin school on or soon after their 5th birthday. There is automatic promotion, with retention only in very special circumstances with school and parental input. |
| Northern Ireland | Year 6 | 10.4 | Children must be 4 years old by July 1st to begin school in September. The majority of children start and continue with their age group, but some transfer to post-primary a year late or early. |
| Norway | Grade 4 (4. trinn) | 9.7 | Children must begin school the calendar year of their 6th birthday. There is automatic promotion for all grades. |
| Oman | Grade 4 | 9.9 | Children begin school the year of their 6 th birthday. Children must be at least 5 years, 9 months old at the start of the academic year (beginning of September), but parents can enroll their children in private schools where the official entry age is 5 years, 5 months. The age of entry policy has been revised within the past ten years. Promotion is automatic for Grades 1-4 and dependent on academic progress for Grades 5-8. |
| Poland | Grade 3 of primary school | 9.9 | Children must begin school the calendar year of their 7th birthday, but parents can postpone the beginning of school for medical or psychological reasons. The age of entry policy has been revised within the past ten years. Parental consent is required for retention in Grades 1-6, and promotion is dependent upon academic progress in higher grades. |

$\Delta_{\text {th }}^{\text {Grade }}$

| Country | Country's Name for Fourth Year of Formal Schooling* | Average <br> Age at Time of Testing | Information About Age of Entry, Promotion, and Retention |
| :---: | :---: | :---: | :---: |
| Portugal | Grade 4 | 10.0 | Children must begin school the year of their 6th birthday if they turn 6 years old by September 15th. Parents can enroll children who turn 6 years old by the end of December, depending on school availability. The age of entry policy has been revised within the past ten years. Promotion is automatic for Grade 1 , and dependent on academic progress for Grades 2-8. |
| Qatar | Grade 4 | 10.0 | Children must begin school in the September of the calendar year of their 6th birthday, but parents can enroll their children in private schools where the official entry age is 5 years, 5 months. Promotion is dependent on academic progress for Grades 1-8. |
| Romania | Grade 4 | 10.9 | According to the law of education, which has been revised within the past ten years, children must begin school at age 6, although parents can postpone enrollment for one year. Promotion is automatic for Grade 1, and dependent on academic progress for Grades 2-8. |
| Russian Federation | Grade 4 | 10.8 | Children must be at least 6 years, 6 months old by the end of August to begin school in September but typically begin at age 7. Promotion is automatic for Grade 1 and dependent on academic progress for Grades 2-8. |
| Saudi Arabia | Grade 4 | 10.0 | Children must begin school the calendar year of their 6th birthday. There is no policy on promotion and retention. |
| Singapore | Primary 4 | 10.4 | According to the Compulsory Education Act, children must begin school the calendar year of their 7th birthday, although parents may seek a deferral of registration based on medical grounds. There is automatic promotion for Grades $1-4$; retention is at principal's discretion for Grade 5 and dependent on academic progress for Grades 6-8. |
| Slovak Republic | Grade 4 | 10.4 | Children must begin school in September if they turn 6 years old by August 31st. Children may begin school early or after an approved delay, based on psychological tests and professional recommendations. Promotion is dependent on academic progress. Students failing 1-2 required subjects must pass a makeup exam; students failing more than 2 are retained. |
| Slovenia | Grade 4 | 9.9 | Children must begin school the calendar year of their 6th birthday, but some children who are 6 years old in January enter school in the September of the calendar year before they turn 6 . The age of entry policy has been revised within the past ten years. Generally, there is automatic promotion for Grades $1-8$, except for students with learning difficulties. |
| Spain | Primary Education Year Four | 9.8 | Children must begin school the calendar year of their 6th birthday. Almost every child begins kindergarten at the age of 3 even though it is not compulsory. Students can be retained for 1 year during Grades 1-6, but students with special needs can be retained twice. Students that do not reach the goals in Grades 7 and 8 can be retained in both grades. |
| Sweden | Grade 4 | 10.7 | Children begin school in the fall of the calendar year of their 7th birthday but can begin the year they turn 6 or 8 years old for special reasons. There is automatic promotion for all grades. |
| Trinidad and Tobago | Standard 3 | 10.3 | Children must begin school in September of the calendar year of their 5th birthday. Children may begin at age 4, at parent and preprimary teacher discretion, or at an older age, based on socio-economic position. Promotion is dependent on academic progress for Grades 1-6, with automatic promotion for Grades 7-8. |
| United Arab Emirates | Basic Stage, Cycle 1, Level 1 | 9.8 | Children can begin school when they are 5.5 years old. Parents or guardians can decide when children begin school, but it must by age 8 . The age of entry policy has been revised within the past ten years. Students in Grades $1-5$ are subject to remedial instruction for promotion, and promotion in Grades $6-8$ is dependent on academic achievement. |
| United States | Grade 4 | 10.2 | Varies by state, but children commonly begin kindergarten at age 5 (by parental choice) and typically begin primary school at age 6 (by law). |
| Sixth Grade Participants |  |  |  |
| Botswana | Standard 6 | 12.8 | Children must be 6 years old by the end of June to begin school in the January of the same calendar year, but children from remote areas may begin school later than age 6 . There is up to $12.5 \%$ retention in each class and accelerated progression is possible after parent consultation. |
| Honduras | Grade 6 | 12.7 | Children must be 7 years old by the end of January to begin school the following February, but about $30 \%$ of children typically begin primary school at age 6 , per principals' decisions. Promotion is dependent on academic progress on exams prepared and administered by teachers. |
| Kuwait | Grade 6 | 11.9 | Children must be 6 years old by March 15th to begin school that calendar year, but typically begin primary school at age 5.5 or 6 . The policy does not allow for parental discretion. Promotion is automatic for Grades 1-3, and dependent on academic progress for Grades 4-8. |
| Morocco | Grade 6 | 12.7 | Children must be at least 5 years, 6 months old by the beginning of September to begin school, and parents rarely postpone the start. Promotion depends on academic progress for both primary and secondary grades. |


${ }^{\circ}$ Republic of South Africa (RSA) tested 5th grade students receiving instruction in English (ENG) or Arrikaans (AFR).

# prePIRLS2011 

| Country | Country's Name for Fourth Year of Formal Schooling* | Average Age at Time of Testing | Information About Age of Entry, Promotion, and Retention |
| :---: | :---: | :---: | :---: |
| Botswana | Standard 4 | 10.6 | Children must be 6 years old by the end of June to begin school in the January of the same calendar year, but children from remote areas may begin school later than age 6. There is up to $12.5 \%$ retention in each class and accelerated progression is possible after parent consultation. |
| Colombia | Grade 4 | 10.4 | Children must be at least 6 years old to begin school, although some students start school somewhat older. Schools define promotion and retention policies. |
| South Africa | Grade 4 | 10.5 | Children must be 6 years old by June 30th of the year in which they enroll and children are encouraged to begin at age 7. The age of entry policy has been revised within the past ten years. In principle, students should progress with their age cohort. The norm for repetition is one year per school phase where necessary. |


| Country | International Target Population |  | Exclusions from National Target Population |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Coverage | Notes on Coverage | School-level Exclusions | Within-sample Exclusions | Overall Exclusions |
| Australia | 100\% |  | 2.1\% | 2.3\% | 4.4\% |
| Austria | 100\% |  | 1.3\% | 3.8\% | 5.1\% |
| 2 a Azerbaijan | 100\% |  | 2.3\% | 4.9\% | 7.2\% |
| ${ }^{2}$ Belgium (French) | 100\% |  | 3.5\% | 2.1\% | 5.6\% |
| Bulgaria | 100\% |  | 1.2\% | 1.3\% | 2.5\% |
| ${ }^{2}$ Canada | 100\% |  | 4.1\% | 5.8\% | 9.9\% |
| Chinese Taipei | 100\% |  | 0.1\% | 1.4\% | 1.4\% |
| Colombia | 100\% |  | 1.2\% | 0.3\% | 1.5\% |
| ${ }^{2}$ Croatia | 100\% |  | 2.9\% | 5.0\% | 7.9\% |
| Czech Republic | 100\% |  | 4.1\% | 0.9\% | 5.1\% |
| $2{ }^{2}$ Denmark | 100\% |  | 1.6\% | 5.8\% | 7.3\% |
| England | 100\% |  | 1.7\% | 0.8\% | 2.4\% |
| Finland | 100\% |  | 1.6\% | 1.5\% | 3.1\% |
| France | 100\% |  | 4.9\% | 0.3\% | 5.2\% |
| 1 a Georgia | 92\% | Students taught in Georgian | 1.4\% | 3.5\% | 4.9\% |
| Germany | 100\% |  | 0.9\% | 1.0\% | 1.9\% |
| ${ }^{3}$ Hong Kong SAR | 100\% |  | 9.1\% | 2.7\% | 11.8\% |
| Hungary | 100\% |  | 2.2\% | 2.0\% | 4.2\% |
| Indonesia | 100\% |  | 2.4\% | 0.0\% | 2.5\% |
| Iran, Islamic Rep. Of | 100\% |  | 4.4\% | 0.1\% | 4.5\% |
| Ireland | 100\% |  | 1.6\% | 0.9\% | 2.5\% |
| ${ }^{3}$ Israel | 100\% |  | 18.5\% | 6.0\% | 24.6\% |
| Italy | 100\% |  | 0.0\% | 3.7\% | 3.7\% |
| 12 Lithuania | 93\% | Students taught in Lithuanian | 1.9\% | 3.7\% | 5.6\% |
| Malta | 100\% |  | 0.0\% | 3.6\% | 3.6\% |
| Morocco | 100\% |  | 2.0\% | 0.0\% | 2.0\% |
| Netherlands | 100\% |  | 3.7\% | 0.0\% | 3.7\% |
| New Zealand | 100\% |  | 1.3\% | 2.0\% | 3.3\% |
| Northern Ireland | 100\% |  | 2.6\% | 0.9\% | 3.5\% |
| Norway | 100\% |  | 0.9\% | 3.3\% | 4.2\% |
| Oman | 100\% |  | 0.8\% | 0.7\% | 1.5\% |
| Poland | 100\% |  | 2.3\% | 1.5\% | 3.8\% |
| Portugal | 100\% |  | 1.4\% | 1.1\% | 2.5\% |
| ${ }^{2}$ Qatar | 100\% |  | 4.3\% | 1.9\% | 6.2\% |
| Romania | 100\% |  | 1.1\% | 2.9\% | 4.0\% |
| Russian Federation | 100\% |  | 2.9\% | 2.4\% | 5.3\% |
| Saudi Arabia | 100\% |  | 1.4\% | 0.2\% | 1.6\% |
| ${ }^{2}$ Singapore | 100\% |  | 5.9\% | 0.4\% | 6.3\% |
| Slovak Republic | 100\% |  | 3.8\% | 0.8\% | 4.6\% |
| Slovenia | 100\% |  | 2.3\% | 0.3\% | 2.6\% |
| Spain | 100\% |  | 1.6\% | 3.7\% | 5.4\% |
| Sweden | 100\% |  | 1.9\% | 2.2\% | 4.1\% |
| Trinidad and Tobago | 100\% |  | 0.9\% | 0.0\% | 0.9\% |
| United Arab Emirates | 100\% |  | 1.4\% | 1.8\% | 3.3\% |
| 2 United States | 100\% |  | 0.0\% | 7.2\% | 7.2\% |

[^0]2 National Defined Population covers $90 \%$ to $95 \%$ of National Target Population.
3 National Defined Population covers less than 90\% of National Target Population.
a Exclusion rates for Azerbaijan and Georgia are slightly underestimated as some conflict zones were not covered and no official statistics were available.

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International Study Center Lynch School of Education, Boston College

## Appendix C．2：Coverage of PIRLS 2011 Target Population（Continued）

| Country | International Target Population |  | Exclusions from National Target Population ¢ ¢－－ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Coverage | Notes on Coverage | School－level Exclusions | Within－sample Exclusions | Overall Exclusions $\frac{\text { y }}{\text { c }}$ |
| Sixth Grade Participants |  |  |  |  |  |
| Botswana | 100\％ |  | 0．1\％ | 0．2\％ | 0．3\％恼 |
| ${ }^{0}$ Honduras | 100\％ |  | 3．8\％ | 0．7\％ | 4．5\％吅 |
| ${ }^{1}$ Kuwait | 78\％ | Students in public schools | 0．3\％ | 0．2\％ | 0．5\％言 |
| Morocco | 100\％ |  | 2．0\％ | 0．0\％ | 2．0\％ |
| Benchmarking Participants ${ }^{\wedge}$ |  |  |  |  |  |
| 2 Alberta，Canada | 100\％ |  | 1．5\％ | 5．4\％ | 6．8\％范 |
| 2 Ontario，Canada | 100\％ |  | 1．0\％ | 7．0\％ | 7．9\％$\quad \frac{5}{5}$ |
| Quebec，Canada | 100\％ |  | 2．7\％ | 1．0\％ | 3．7\％ |
| Maltese－Malta | 100\％ |  | 0．0\％ | 4．1\％ | 4．1\％ |
| Eng／Afr（5）－RSA | 100\％ | Students taught in Afrikaans and／or English schools | 1．9\％ | 0．0\％ | 1．9\％奁 |
| Andalusia，Spain | 100\％ |  | 1．6\％ | 3．5\％ | 5．1\％نّ |
| Abu Dhabi，UAE | 100\％ |  | 1．4\％ | 1．3\％ | 2．7\％ |
| Dubai，UAE | 100\％ |  | 0．4\％ | 4．7\％ | 5．1\％ |
| 13 Florida，US | 89\％ | Students in public schools | 0．0\％ | 12．9\％ | 12．9\％ |

${ }^{\wedge}$ Republic of South Africa（RSA）tested 5th grade students receiving instruction in English（ENG）or Afrikaans（AFR）．

| Country | International Target Population |  | Exclusions from National Target Population |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Coverage | Notes on Coverage | School－level Exclusions | Within－sample Exclusions | Overall Exclusions |
| Botswana | 100\％ |  | 0．1\％ | 0．1\％ | 0．2\％ |
| Colombia | 100\％ |  | 1．2\％ | 0．3\％ | 1．5\％ |
| South Africa | 100\％ |  | 2．1\％ | 0．9\％ | 3．0\％ |


| Country | Number of Schools in Original Sample | Number of Eligible Schools in Original Sample | Number of Schools in Original Sample that Participated | Number of Replacement Schools that Participated | Total Number of Schools that Participated |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Australia | 290 | 284 | 275 | 5 | 280 |
| Austria | 160 | 158 | 158 | 0 | 158 |
| Azerbaijan | 170 | 169 | 142 | 27 | 169 |
| Belgium (French) | 150 | 150 | 115 | 12 | 127 |
| Bulgaria | 150 | 147 | 142 | 5 | 147 |
| Canada | 1,142 | 1,125 | 1,106 | 5 | 1,111 |
| Chinese Taipei | 150 | 150 | 150 | 0 | 150 |
| Colombia | 157 | 152 | 131 | 19 | 150 |
| Croatia | 152 | 152 | 150 | 2 | 152 |
| Czech Republic | 180 | 178 | 161 | 16 | 177 |
| Denmark | 240 | 236 | 207 | 25 | 232 |
| England | 150 | 148 | 109 | 20 | 129 |
| Finland | 150 | 146 | 141 | 4 | 145 |
| France | 175 | 175 | 170 | 4 | 174 |
| Georgia | 180 | 177 | 172 | 1 | 173 |
| Germany | 200 | 199 | 190 | 7 | 197 |
| Hong Kong SAR | 154 | 150 | 130 | 2 | 132 |
| Hungary | 150 | 150 | 146 | 3 | 149 |
| Indonesia | 158 | 158 | 158 | 0 | 158 |
| Iran, Islamic Rep. Of | 250 | 244 | 244 | 0 | 244 |
| Ireland | 152 | 151 | 148 | 3 | 151 |
| Israel | 153 | 153 | 150 | 2 | 152 |
| Italy | 205 | 205 | 166 | 36 | 202 |
| Lithuania | 160 | 154 | 145 | 9 | 154 |
| Malta | 99 | 96 | 96 | 0 | 96 |
| Morocco | 289 | 287 | 284 | 0 | 284 |
| Netherlands | 151 | 151 | 97 | 41 | 138 |
| New Zealand | 201 | 199 | 180 | 12 | 192 |
| Northern Ireland | 160 | 160 | 100 | 36 | 136 |
| Norway | 150 | 145 | 85 | 35 | 120 |
| Oman | 338 | 333 | 327 | 0 | 327 |
| Poland | 150 | 150 | 150 | 0 | 150 |
| Portugal | 150 | 150 | 133 | 15 | 148 |
| Qatar | 175 | 167 | 166 | 0 | 166 |
| Romania | 150 | 148 | 147 | 1 | 148 |
| Russian Federation | 202 | 202 | 202 | 0 | 202 |
| Saudi Arabia | 175 | 171 | 163 | 8 | 171 |
| Singapore | 176 | 176 | 176 | 0 | 176 |
| Slovak Republic | 200 | 198 | 187 | 10 | 197 |
| Slovenia | 202 | 201 | 193 | 2 | 195 |
| Spain | 314 | 314 | 308 | 4 | 312 |
| Sweden | 161 | 153 | 148 | 4 | 152 |
| Trinidad and Tobago | 150 | 150 | 149 | 0 | 149 |
| United Arab Emirates | 478 | 460 | 458 | 0 | 458 |
| United States | 450 | 437 | 349 | 21 | 370 |

Appendix C.3: School Sample Sizes (Continued)

| Country | Number of Schools in Original Sample | Number of Eligible Schools in Original Sample | Number of Schools in Original Sample that Participated | Number of Replacement Schools that Participated | Total Number of Schools that Participated |
| :---: | :---: | :---: | :---: | :---: | :---: |

Sixth Grade Participants

| Botswana | 150 | 149 | 149 | 0 | 149 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Honduras | 152 | 147 | 133 | 14 | 147 |
| Kuwait | 150 | 150 | 133 | 0 | 133 |
| Morocco | 289 | 281 | 278 | 0 | 278 |

Benchmarking Participants ${ }^{\diamond}$

| Alberta, Canada | 150 | 147 | 143 | 2 | 145 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Ontario, Canada | 200 | 191 | 188 | 1 | 189 |
| Quebec, Canada | 200 | 197 | 189 | 1 | 190 |
| Maltese - Malta | 99 | 95 | 95 | 0 | 95 |
| Eng/Afr (5) - RSA | 100 | 92 | 90 | 2 | 92 |
| Andalusia, Spain | 150 | 150 | 149 | 0 | 149 |
| Abu Dhabi, UAE | 168 | 165 | 164 | 0 | 164 |
| Dubai, UAE | 152 | 139 | 138 | 0 | 138 |
| Florida, US | 81 | 80 | 77 | 0 | 77 |

${ }^{\wedge}$ Republic of South Africa (RSA) tested 5th grade students receiving instruction in English (ENG) or Arrikaans (AFR).

|  |  |  |  | prePIRES $2011 \underset{\text { Grade }}{4 \text { th }}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Country | Number of Schools in Original Sample | Number of Eligible Schools in Original Sample | Number of Schools in Original Sample that Participated | Number of Replacement Schools that Participated | Total Number of Schools that Participated |
| Botswana | 150 | 149 | 149 | 0 | 149 |
| Colombia | 157 | 152 | 131 | 19 | 150 |
| South Africa | 345 | 342 | 336 | 5 | 341 |


| Country | Within-school <br> Student <br> Participation <br> (Weighted <br> Percentage) | Number of Sampled Students in Participating Schools | Number of Students Withdrawn from Class/School | Number of Students Excluded | Number of Eligible Students | Number of Students Absent | Number of Students Assessed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Australia | 95\% | 6,709 | 103 | 122 | 6,484 | 358 | 6,126 |
| Austria | 98\% | 4,976 | 25 | 175 | 4,776 | 106 | 4,670 |
| Azerbaijan | 100\% | 5,098 | 206 | 0 | 4,892 | 11 | 4,881 |
| Belgium (French) | 97\% | 3,910 | 13 | 63 | 3,834 | 107 | 3,727 |
| Bulgaria | 95\% | 5,725 | 120 | 59 | 5,546 | 285 | 5,261 |
| Canada | 96\% | 25,707 | 292 | 1,057 | 24,358 | 1,152 | 23,206 |
| Chinese Taipei | 99\% | 4,376 | 18 | 35 | 4,323 | 30 | 4,293 |
| Colombia | 97\% | 4,309 | 201 | 18 | 4,090 | 124 | 3,966 |
| Croatia | 95\% | 5,097 | 27 | 245 | 4,825 | 238 | 4,587 |
| Czech Republic | 94\% | 4,895 | 28 | 35 | 4,832 | 276 | 4,556 |
| Denmark | 97\% | 4,994 | 50 | 185 | 4,759 | 165 | 4,594 |
| England | 94\% | 4,243 | 52 | 27 | 4,164 | 237 | 3,927 |
| Finland | 96\% | 4,914 | 23 | 53 | 4,838 | 198 | 4,640 |
| France | 98\% | 4,638 | 73 | 15 | 4,550 | 112 | 4,438 |
| Georgia | 98\% | 4,958 | 23 | 56 | 4,879 | 83 | 4,796 |
| Germany | 96\% | 4,229 | 37 | 21 | 4,171 | 171 | 4,000 |
| Hong Kong SAR | 94\% | 4,189 | 21 | 63 | 4,105 | 230 | 3,875 |
| Hungary | 97\% | 5,488 | 40 | 67 | 5,381 | 177 | 5,204 |
| Indonesia | 97\% | 5,049 | 115 | 1 | 4,933 | 142 | 4,791 |
| Iran, Islamic Rep. Of | 99\% | 5,932 | 98 | 5 | 5,829 | 71 | 5,758 |
| Ireland | 95\% | 4,849 | 24 | 43 | 4,782 | 258 | 4,524 |
| Israel | 94\% | 4,579 | 16 | 91 | 4,472 | 286 | 4,186 |
| Italy | 96\% | 4,529 | 26 | 153 | 4,350 | 161 | 4,189 |
| Lithuania | 94\% | 5,140 | 37 | 131 | 4,972 | 311 | 4,661 |
| Malta | 95\% | 3,958 | 24 | 142 | 3,792 | 194 | 3,598 |
| Morocco | 96\% | 8,381 | 271 | 0 | 8,110 | 305 | 7,805 |
| Netherlands | 97\% | 4,179 | 51 | 1 | 4,127 | 132 | 3,995 |
| New Zealand | 94\% | 6,192 | 127 | 77 | 5,988 | 344 | 5,644 |
| Northern Ireland | 93\% | 3,942 | 27 | 49 | 3,866 | 280 | 3,586 |
| Norway | 86\% | 3,921 | 21 | 122 | 3,778 | 588 | 3,190 |
| Oman | 98\% | 10,840 | 129 | 75 | 10,636 | 242 | 10,394 |
| Poland | 96\% | 5,316 | 15 | 71 | 5,230 | 225 | 5,005 |
| Portugal | 95\% | 4,428 | 18 | 64 | 4,346 | 261 | 4,085 |
| Qatar | 99\% | 4,394 | 178 | 70 | 4,146 | 26 | 4,120 |
| Romania | 97\% | 4,879 | 91 | 12 | 4,776 | 111 | 4,665 |
| Russian Federation | 98\% | 4,693 | 30 | 89 | 4,574 | 113 | 4,461 |
| Saudi Arabia | 98\% | 4,625 | 42 | 4 | 4,579 | 72 | 4,507 |
| Singapore | 96\% | 6,687 | 33 | 3 | 6,651 | 284 | 6,367 |
| Slovak Republic | 97\% | 5,933 | 45 | 46 | 5,842 | 212 | 5,630 |
| Slovenia | 97\% | 4,674 | 13 | 14 | 4,647 | 135 | 4,512 |
| Spain | 97\% | 9,223 | 43 | 305 | 8,875 | 295 | 8,580 |
| Sweden | 92\% | 5,209 | 75 | 84 | 5,050 | 428 | 4,622 |
| Trinidad and Tobago | 96\% | 4,190 | 67 | 0 | 4,123 | 175 | 3,948 |
| United Arab Emirates | 97\% | 15,372 | 134 | 113 | 15,125 | 507 | 14,618 |
| United States | 96\% | 14,253 | 169 | 830 | 13,254 | 528 | 12,726 |

Students attending a sampled class at the time the sample was chosen but leaving the class before the assessment was administered were classified as "withdrawn."
Students with a disability or language barrier that prevented them from participating in the assessment were classified as "excluded."
Students not present when the assessment was administered, and not subsequently assessed in a make-up session, were classified as "absent."

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## Appendix C.4: Student Sample Sizes (Continued)

| Country | Within-school <br> Student <br> Participation <br> (Weighted <br> Percentage) | Number of Sampled Students in Participating Schools | Number of Students Withdrawn from Class/School | Number of Students Excluded | Number of Eligible Students | Number of Students Absent | Number of Students Assessed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sixth Grade Participants |  |  |  |  |  |  |  |
| Botswana | 99\% | 4,298 | 39 | 8 | 4,251 | 54 | 4,197 |
| Honduras | 97\% | 4,186 | 117 | 0 | 4,069 | 176 | 3,893 |
| Kuwait | 82\% | 4,085 | 0 | 0 | 4,085 | 722 | 3,363 |
| Morocco | 95\% | 7,705 | 106 | 0 | 7,599 | 416 | 7,183 |
| Benchmarking Participants ${ }^{\diamond}$ |  |  |  |  |  |  |  |
| Alberta, Canada | 95\% | 4,292 | 73 | 229 | 3,990 | 201 | 3,789 |
| Ontario, Canada | 96\% | 4,932 | 69 | 145 | 4,718 | 157 | 4,561 |
| Quebec, Canada | 96\% | 4,529 | 33 | 50 | 4,446 | 202 | 4,244 |
| Maltese - Malta | 94\% | 3,942 | 22 | 143 | 3,777 | 229 | 3,548 |
| Eng/Afr (5) - RSA | 94\% | 3,801 | 68 | 0 | 3,733 | 218 | 3,515 |
| Andalusia, Spain | 97\% | 4,652 | 29 | 142 | 4,481 | 148 | 4,333 |
| Abu Dhabi, UAE | 97\% | 4,308 | 13 | 29 | 4,266 | 120 | 4,146 |
| Dubai, UAE | 96\% | 6,497 | 70 | 74 | 6,353 | 292 | 6,061 |
| Florida, US | 95\% | 3,052 | 43 | 269 | 2,740 | 142 | 2,598 |

${ }^{\circ}$ Republic of South Africa (RSA) tested 5th grade students receiving instruction in English (ENG) or Afrikaans (AFR).
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Grade

| Country | Within-school <br> Student <br> Participation <br> (Weighted <br> Percentage) | Number of Sampled <br> Students in Participating Schools | Number of Students Withdrawn from Class/School | Number of Students Excluded | Number of Eligible Students | Number of Students Absent | Number of Students Assessed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Botswana | 99\% | 4,501 | 41 | 6 | 4,454 | 61 | 4,393 |
| Colombia | 97\% | 4,309 | 198 | 18 | 4,093 | 129 | 3,964 |
| South Africa | 95\% | 16,970 | 283 | 165 | 16,522 | 778 | 15,744 |

## Appendix C.5: Participation Rates (Weighted)

| Country | School Participation |  | Class Participation | Student Participation | Overall Participation |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Before Replacement | After Replacement |  |  | Before Replacement | After Replacement |
| Australia | 96\% | 98\% | 100\% | 95\% | 91\% | 93\% |
| Austria | 100\% | 100\% | 100\% | 98\% | 98\% | 98\% |
| Azerbaijan | 84\% | 100\% | 100\% | 100\% | 84\% | 100\% |
| † Belgium (French) | 77\% | 85\% | 99\% | 97\% | 74\% | 82\% |
| Bulgaria | 97\% | 100\% | 100\% | 95\% | 92\% | 95\% |
| Canada | 98\% | 98\% | 100\% | 96\% | 94\% | 94\% |
| Chinese Taipei | 100\% | 100\% | 100\% | 99\% | 99\% | 99\% |
| Colombia | 89\% | 99\% | 100\% | 97\% | 86\% | 95\% |
| Croatia | 99\% | 100\% | 100\% | 95\% | 94\% | 95\% |
| Czech Republic | 90\% | 99\% | 100\% | 94\% | 85\% | 94\% |
| Denmark | 87\% | 98\% | 100\% | 97\% | 84\% | 95\% |
| † England | 73\% | 87\% | 100\% | 94\% | 69\% | 82\% |
| Finland | 97\% | 99\% | 100\% | 96\% | 93\% | 95\% |
| France | 98\% | 100\% | 100\% | 98\% | 96\% | 97\% |
| Georgia | 97\% | 98\% | 100\% | 98\% | 95\% | 96\% |
| Germany | 96\% | 99\% | 100\% | 96\% | 92\% | 95\% |
| Hong Kong SAR | 86\% | 88\% | 100\% | 94\% | 81\% | 83\% |
| Hungary | 98\% | 99\% | 100\% | 97\% | 94\% | 96\% |
| Indonesia | 100\% | 100\% | 100\% | 97\% | 97\% | 97\% |
| Iran, Islamic Rep. Of | 100\% | 100\% | 100\% | 99\% | 99\% | 99\% |
| Ireland | 98\% | 100\% | 100\% | 95\% | 93\% | 95\% |
| Israel | 98\% | 99\% | 100\% | 94\% | 92\% | 93\% |
| Italy | 81\% | 98\% | 100\% | 96\% | 78\% | 95\% |
| Lithuania | 94\% | 100\% | 100\% | 94\% | 89\% | 94\% |
| Malta | 100\% | 100\% | 100\% | 95\% | 95\% | 95\% |
| Morocco | 99\% | 99\% | 100\% | 96\% | 95\% | 95\% |
| $\dagger$ Netherlands | 68\% | 92\% | 100\% | 97\% | 66\% | 89\% |
| New Zealand | 93\% | 99\% | 100\% | 94\% | 87\% | 93\% |
| $\dagger$ Northern Ireland | 62\% | 85\% | 100\% | 93\% | 58\% | 79\% |
| $\ddagger$ Norway | 57\% | 83\% | 100\% | 86\% | 49\% | 71\% |
| Oman | 98\% | 98\% | 100\% | 98\% | 96\% | 96\% |
| Poland | 100\% | 100\% | 100\% | 96\% | 96\% | 96\% |
| Portugal | 87\% | 99\% | 100\% | 95\% | 83\% | 93\% |
| Qatar | 100\% | 100\% | 100\% | 99\% | 99\% | 99\% |
| Romania | 99\% | 100\% | 100\% | 97\% | 96\% | 97\% |
| Russian Federation | 100\% | 100\% | 100\% | 98\% | 98\% | 98\% |
| Saudi Arabia | 95\% | 100\% | 100\% | 98\% | 94\% | 98\% |
| Singapore | 100\% | 100\% | 100\% | 96\% | 96\% | 96\% |
| Slovak Republic | 95\% | 99\% | 100\% | 97\% | 92\% | 96\% |
| Slovenia | 96\% | 97\% | 100\% | 97\% | 94\% | 95\% |
| Spain | 96\% | 99\% | 100\% | 97\% | 93\% | 96\% |
| Sweden | 97\% | 99\% | 100\% | 92\% | 88\% | 91\% |
| Trinidad and Tobago | 99\% | 99\% | 100\% | 96\% | 95\% | 95\% |
| United Arab Emirates | 100\% | 100\% | 100\% | 97\% | 97\% | 97\% |
| United States | 80\% | 85\% | 100\% | 96\% | 77\% | 81\% |

PIRLS guidelines for sampling participation: The minimum acceptable participation rates were $85 \%$ of both schools and students, or a combined rate (the product of school and student participation) of $75 \%$. Participants not meeting these guidelines were annotated as follows:
$\dagger$ Met guidelines for sample participation rates only after replacement schools were included.
$\ddagger$ Nearly satisfied guidelines for sample participation rates after replacement schools were included.
末 Did not satisfy guidelines for sample participation rates.

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Appendix C.5: Participation Rates (Weighted) (Continued) PIRLS $20114 \underset{\text { Grade }}{4 \text { th }}$

| Country | School Participation |  | Class <br> Participation | Student Participation | Overall Participation |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Before Replacement | After Replacement |  |  | Before Replacement | After Replacement |

Sixth Grade Participants

| Botswana | 100\% | 100\% | 100\% | 99\% | 99\% | 99\% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Honduras | 91\% | 100\% | 100\% | 97\% | 88\% | 97\% |
| $\ddagger$ Kuwait | 88\% | 88\% | 99\% | 82\% | 72\% | 72\% |
| Morocco | 99\% | 99\% | 100\% | 95\% | 94\% | 94\% |
| Benchmarking Participants ${ }^{\diamond}$ |  |  |  |  |  |  |
| Alberta, Canada | 97\% | 99\% | 100\% | 95\% | 93\% | 94\% |
| Ontario, Canada | 99\% | 99\% | 100\% | 96\% | 95\% | 95\% |
| Quebec, Canada | 95\% | 96\% | 100\% | 96\% | 90\% | 92\% |
| Maltese - Malta | 100\% | 100\% | 100\% | 94\% | 94\% | 94\% |
| Eng/Afr (5) - RSA | 98\% | 100\% | 100\% | 94\% | 92\% | 94\% |
| Andalusia, Spain | 99\% | 99\% | 100\% | 97\% | 96\% | 96\% |
| Abu Dhabi, UAE | 99\% | 99\% | 100\% | 97\% | 96\% | 96\% |
| Dubai, UAE | 99\% | 99\% | 100\% | 96\% | 94\% | 94\% |
| Florida, US | 96\% | 96\% | 99\% | 95\% | 91\% | 91\% |

[^1]| Country |  |  |  |  | preP | S201 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | School Participation |  | Class <br> Participation | Student Participation | Overall Participation |  |
|  | Before Replacement | After Replacement |  |  | Before Replacement | After Replacement |
| Botswana | 100\% | 100\% | 100\% | 99\% | 99\% | 99\% |
| Colombia | 89\% | 99\% | 100\% | 97\% | 86\% | 96\% |
| South Africa | 98\% | 99\% | 100\% | 95\% | 93\% | 95\% |

## Appendix C.6: Trends in Student Populations

| Country | Years of Formal Schooling* |  |  | Average Age at Time of Testing |  |  | Overall Exclusion Rates |  |  | Overall Participation Rates (After Replacement) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2011 | 2006 | 2001 | 2011 | 2006 | 2001 | 2011 | 2006 | 2001 | 2011 | 2006 | 2001 |
| Austria | 4 | 4 |  | 10.3 | 10.3 |  | 5.1\% | 5.1\% |  | 98\% | 97\% |  |
| Belgium (French) | 4 | 4 |  | 10.1 | 9.9 |  | 5.6\% | 3.9\% |  | 82\% | 95\% |  |
| Bulgaria | 4 | 4 | 4 | 10.7 | 10.9 | 10.9 | 2.5\% | 6.4\% | 2.7\% | 95\% | 94\% | 93\% |
| Chinese Taipei | 4 | 4 |  | 10.2 | 10.1 |  | 1.4\% | 2.9\% |  | 99\% | 99\% |  |
| Colombia | 4 |  | 4 | 10.4 |  | 10.5 | 1.5\% |  | 3.3\% | 95\% |  | 94\% |
| Czech Republic | 4 |  | 4 | 10.4 |  | 10.5 | 5.1\% |  | 5.0\% | 94\% |  | 90\% |
| Denmark | 4 | 4 |  | 10.9 | 10.9 |  | 7.3\% | 6.2\% |  | 95\% | 96\% |  |
| England | 5 | 5 | 5 | 10.3 | 10.3 | 10.2 | 2.4\% | 2.4\% | 5.7\% | 82\% | 92\% | 82\% |
| France | 4 | 4 | 4 | 10.0 | 10.0 | 10.1 | 5.2\% | 3.8\% | 5.3\% | 97\% | 95\% | 94\% |
| a Georgia | 4 | 4 |  | 10.0 | 10.1 |  | 4.9\% | 7.3\% |  | 96\% | 98\% |  |
| Germany | 4 | 4 | 4 | 10.4 | 10.5 | 10.5 | 1.9\% | 0.7\% | 1.8\% | 95\% | 92\% | 86\% |
| Hong Kong SAR | 4 | 4 | 4 | 10.1 | 10.0 | 10.2 | 11.8\% | 3.9\% | 2.8\% | 83\% | 97\% | 97\% |
| Hungary | 4 | 4 | 4 | 10.7 | 10.7 | 10.7 | 4.2\% | 3.7\% | 2.1\% | 96\% | 97\% | 95\% |
| Indonesia | 4 | 4 |  | 10.4 | 10.4 |  | 2.5\% | 3.2\% |  | 97\% | 98\% |  |
| Iran, Islamic Rep. of | 4 | 4 | 4 | 10.2 | 10.2 | 10.4 | 4.5\% | 3.8\% | 0.5\% | 99\% | 99\% | 98\% |
| Italy | 4 | 4 | 4 | 9.7 | 9.7 | 9.8 | 3.7\% | 5.3\% | 2.9\% | 95\% | 97\% | 98\% |
| Lithuania | 4 | 4 | 4 | 10.7 | 10.7 | 10.9 | 5.6\% | 5.1\% | 3.8\% | 94\% | 92\% | 83\% |
| Morocco | 4 | 4 | 4 | 10.5 | 10.8 | 11.2 | 2.0\% | 1.1\% | 1.0\% | 95\% | 94\% | 69\% |
| Netherlands | 4 | 4 | 4 | 10.2 | 10.3 | 10.3 | 3.7\% | 3.6\% | 3.7\% | 89\% | 90\% | 87\% |
| New Zealand | 4.5-5.5 | 4.5-5.5 | 4.5-5.5 | 10.1 | 10.0 | 10.1 | 3.3\% | 5.3\% | 3.2\% | 93\% | 95\% | 96\% |
| Norway | 4 | 4 | 4 | 9.7 | 9.8 | 10.0 | 4.2\% | 3.8\% | 2.8\% | 71\% | 71\% | 82\% |
| Poland | 4 | 4 |  | 9.9 | 9.9 |  | 3.8\% | 5.1\% |  | 96\% | 95\% |  |
| Romania | 4 | 4 | 4 | 10.9 | 10.9 | 11.1 | 4.0\% | 2.4\% | 4.5\% | 97\% | 97\% | 93\% |
| Russian Federation | 4 | 3 or 4 | 3 or 4 | 10.8 | 10.8 | 10.3 | 5.3\% | 5.9\% | 6.6\% | 98\% | 97\% | 97\% |
| Singapore | 4 | 4 | 4 | 10.4 | 10.4 | 10.1 | 6.3\% | 0.9\% | 0.1\% | 96\% | 95\% | 98\% |
| Slovak Republic | 4 | 4 | 4 | 10.4 | 10.4 | 10.3 | 4.6\% | 3.6\% | 2.0\% | 96\% | 94\% | 96\% |
| Slovenia | 4 | 3 or 4 | 3 | 9.9 | 9.9 | 9.8 | 2.6\% | 0.8\% | 0.3\% | 94\% | 93\% | 94\% |
| Spain | 4 | 4 |  | 9.8 | 9.9 |  | 5.4\% | 5.3\% |  | 96\% | 97\% |  |
| Sweden | 4 | 4 | 4 | 10.7 | 10.9 | 10.8 | 4.1\% | 3.9\% | 5.0\% | 91\% | 96\% | 92\% |
| Trinidad and Tobago | 5 | 5 |  | 10.3 | 10.1 |  | 0.9\% | 0.7\% |  | 95\% | 94\% |  |
| United States | 4 | 4 | 4 | 10.2 | 10.1 | 10.2 | 7.2\% | 5.9\% | 5.3\% | 81\% | 82\% | 83\% |

Benchmarking Participants ${ }^{\wedge}$

| Alberta, Canada | 4 | 4 |  | 9.9 | 9.9 |  | 6.8\% | 7.1\% |  | 94\% | 96\% |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Ontario, Canada | 4 | 4 | 4 | 9.8 | 9.8 | 9.9 | 7.9\% | 8.3\% | 6.6\% | 95\% | 87\% | 92\% |
| Quebec, Canada | 4 | 4 | 4 | 10.1 | 10.1 | 10.2 | 3.7\% | 3.6\% | 3.3\% | 92\% | 81\% | 89\% |
| b Eng/Afr (5) - RSA | 5 | 5 |  | 11.4 | 11.9 |  | 1.9\% | 4.3\% |  | 94\% | 88\% |  |

${ }^{\circ}$ Republic of South Africa (RSA) tested 5th grade students receiving instruction in English (ENG) or Afrikaans (AFR).

* Represents years of schooling counting from the first year of ISCED Level 1
a Schools in South Ossetia and Abkhazia were excluded due to lack of access and absence of official statistics. Abkhazia refugee schools in other territories of Georgia were included in the sample frame.
b Information from 2006 is for the entire country of South Africa.

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[^0]:    1 National Target Population does not include all of the International Target Population.

[^1]:    ${ }^{\circ}$ Republic of South Africa (RSA) tested 5th grade students receiving instruction in English (ENG) or Afrikaans (AFR).

