Appendix B

Characteristics of National Samples

Introduction

For each country participating in PIRLS 2006, this appendix describes the target population definition (where necessary), the extent of coverage and exclusions, the use of stratification variables, and any deviations from the general PIRLS sample design.

B.1 Austria

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<3), and special education schools

- Within-school exclusions consisted of intellectually and functionally disabled students, and non-native language speakers

Sample Design

- Explicit stratification by region for a total of 9 explicit strata

- Implicit stratification by district (the number of districts varies by region) for a total of 121 implicit strata

- Sampled two classrooms per school whenever possible

- Small schools sampled with equal probabilities

Exhibit B.1   Allocation of School Sample in Austria

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Burgenland	5	0	5	0	0	0
Kärnten	11	1	10	0	0	0
Niederösterreich	31	0	31	0	0	0
Oberösterreich	30	0	30	0	0	0
Salzburg	11	0	11	0	0	0
Steiermark	23	0	23	0	0	0
Tirol	15	1	14	0	0	0
Vorarlberg	8	0	8	0	0	0
Wien	26	0	26	0	0	0
Total	160	2	158	0	0	0

B.2   Belgium (Flemish)

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<5), and special schools

Sample Design

- Explicit stratification by school type (Flemish community, public, private) for a total of 3 explicit strata

- Implicit stratification by province (Antwerpen, Limburg, Oost-Vlaanderen, Vlaams-Brabant, West-Vlaanderen) for a total of 15 implicit strata

- Sampled two classrooms per school whenever possible

- Small schools sampled with equal probabilities

Exhibit B.2   Allocation of School Sample in Belgium (Flemish)

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Flemish Community schools	20	0	15	4	0	1
Public schools	34	1	21	5	3	4
Private schools	96	0	66	16	7	7
Total	150	1	102	25	10	12

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B.3   Belgium (French)

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<5), schools for disabled children, and hospital schools

- Within-school exclusions consisted of children with less than one year of instruction in French

Sample Design

- Explicit stratification by school type (state, communal, religious) for a total of 3 explicit strata

- Implicit stratification by region (Brabant Wallon, Bruxelles-Capitale, Hainault, Liège, Namur, Luxembourg) for a total of 18 implicit strata

- Sampled two classrooms per school whenever possible

- Small schools sampled with equal probabilities

Exhibit B.3   Allocation of School Sample in Belgium (French)

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
State	14	0	11	3	0	0
Communal	72	0	62	9	1	0
Religious	64	0	56	8	0	0
Total	150	0	129	20	1	0

B.4   Bulgaria

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<6), and special education schools

Sample Design

- Explicit stratification by region for a total of 9 explicit strata

- Implicit stratification by urbanization (urban, rural) for a total of 18 implicit strata

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- Sampled two classrooms per school having at least 60 students (MOS≥60) and one classroom otherwise

- Small schools sampled with equal probabilities

Exhibit B.4   Allocation of School Sample in Bulgaria

| Explicit Stratum | Total Sampled Schools | Ineligible Schools | Participating Schools | | | Non-Participating Schools |
			Sampled	1st Replacement	2nd Replacement	
Burgas	18	0	15	3	0	0
Hashkovo	16	1	12	2	0	1
Lovech	16	0	14	1	0	1
Montana	10	0	9	1	0	0
Plovdiv	22	1	20	1	0	0
Ruse	14	1	12	1	0	0
Sofia City	19	0	17	2	0	0
Sofia Region	17	0	15	1	0	1
Varna	18	0	16	1	0	1
Total	150	3	130	13	0	4

B.5   Canada, Alberta

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<6), and online/ correspondence students

Sample Design

- No explicit stratification

- Implicit stratification by school type (charter, Francophone, private, public, separate) for a total of 5 implicit strata

- Sampled two classrooms per school having at least 60 students (MOS≥60) and one classroom otherwise

- Small schools sampled with equal probabilities (MOS<16)

Exhibit B.5   **Allocation of School Sample in Canada, Alberta**

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Canada (Alberta)	150	0	150	0	0	0
Total	150	0	150	0	0	0

B.6   Canada, British Columbia

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<6), alternate and distance education schools, district distance education schools, and long term Provincial Resource Program (PRP) schools

Sample Design

- No explicit stratification

- Implicit stratification by school type (public, independent) for a total of 2 implicit strata

- Sampled two classrooms per school having at least 52 students (MOS≥52) and one classroom otherwise

- Small schools sampled with equal probabilities (MOS<14)

Exhibit B.6   **Allocation of School Sample in Canada, British Columbia**

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Canada (British Columbia)	150	0	147	1	0	2
Total	150	0	147	1	0	2

B.7   Canada, Nova Scotia

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<5)

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Sample Design

- Explicit stratification by regional council for a total of 8 explicit strata

- No implicit stratification

- Sampled two classrooms per school having at least 77 students (MOS≥77) and one classroom otherwise

- Very large and small schools sampled with equal probabilities

- Census of schools in the four smallest regional councils (Strait Regional, Acadian Provincial, South Shore Regional, and Tri-County Regional)

Exhibit B.7   Allocation of School Sample in Canada, Nova Scotia

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Cape Breton-Victoria Regional	25	0	25	0	0	0
Strait Regional	16	0	16	0	0	0
Chignecto Central Regional	26	0	25	1	0	0
Halifax Regional	58	0	58	0	0	0
Annapolis Valey Regional	25	0	25	0	0	0
Acadien Provincial	16	0	16	0	0	0
South Shore Regional	17	0	17	0	0	0
Tri-County Regional	18	0	18	0	0	0
Total	201	0	200	1	0	0

B.8   Canada, Ontario

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<10), special needs schools, native schools, and overseas schools

- Within-school exclusions consisted of children with disabilities (either within regular classrooms or in special education classrooms within regular schools)

Sample Design

- Explicit stratification by language (English, French) for a total of 2 explicit strata

- Implicit stratification by school type (public, Catholic, private) for a total of 6 implicit strata

- Sampled two classrooms per school having at least 100 students (MOS≥100) and one classroom otherwise

- Small schools sampled with equal probabilities (MOS<15)

- Two schools in the French stratum were sampled with certainty

Exhibit B.8   Allocation of School Sample in Canada, Ontario

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
English	120	1	105	2	0	12
French	80	1	68	5	0	6
Total	200	2	173	7	0	18

B.9   Canada, Quebec

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<10), Native schools, non-ministry schools, and special education schools

- Within-school exclusions consisted of children with disabilities or non-native speakers

Sample Design

- Explicit stratification by language (English, French) for a total of 2 explicit strata

- Implicit stratification by school type (public, private) for a total of 4 implicit strata

- Sampled one classroom per school

- Small schools sampled with equal probabilities

- Four schools in the English stratum were sampled with certainty

Exhibit B.9   Allocation of School Sample in Canada, Quebec

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
English	80	2	74	0	0	4
French	120	4	111	0	0	5
Total	200	6	185	0	0	9

B.10   Chinese Taipei

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<15), schools on remote islands, and special needs schools

- Within-school exclusions consisted of disabled students

Sample Design

- Explicit stratification by region (North, Middle, South, East) for a total of 4 explicit strata

- No implicit stratification

- Sampled one classroom per school

- Small schools sampled with equal probabilities

Exhibit B.10   Allocation of School Sample in Chinese Taipei

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
North	68	0	67	1	0	0
Middle	38	0	38	0	0	0
South	40	0	38	2	0	0
East	4	0	4	0	0	0
Total	150	0	147	3	0	0

B.11   Denmark

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<6), and special needs schools

- Within-school exclusions consisted of disabled students

Sample Design

- No explicit stratification

- No implicit stratification

- Sampled two classrooms per school having at least 50 students (MOS≥50) and one classroom otherwise

- Small schools sampled with equal probabilities (MOS<16)

Exhibit B.11   Allocation of School Sample in Denmark

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Denmark	150	150	4	128	16	1
Totals	150	150	4	128	16	1

B.12   England

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<8), and special schools

- Within-school exclusions consisted of pupils with special education needs

Sample Design

- Explicit stratification by school performance for a total of 6 explicit strata

- Implicit stratification by school type (primary, junior, middle, independent) for a total of 23 implicit strata

- Sampled two classrooms per school with at least 100 students (MOS≥100) and one classroom otherwise

- Small schools sampled with equal probabilities

Exhibit B.12   Allocation of School Sample in England

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Low KS2	28	0	20	6	1	1
Low/MID KS2	29	0	27	2	0	0
Mid KS2	29	0	26	3	0	0
Mid/High KS2	29	0	25	3	0	1
High KS2	29	0	25	4	0	0
Unknown KS2	6	0	6	0	0	0
Total	150	0	129	18	1	2

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B.13   France

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<4), schools found in La Réunion and in Guyana, private schools without contracts, French schools in foreign countries, and specialized schools (note that schools found in Overseas Territories (TOM) were considered out of scope and therefore were not considered)

Sample Design

- Explicit stratification by school size (large schools, small schools (MOS<15)) for a total of 2 explicit strata

- Implicit stratification by school type (public not Priority Education Zone (ZEP), private, public ZEP) for a total of 6 implicit strata

- Sampled two classrooms per school whenever possible

- Schools within the 'small schools' stratum sampled with equal probabilities

Exhibit B.13   Allocation of School Sample in France

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Large	115	0	108	4	0	3
Small	60	0	56	0	1	3
Total	175	0	164	4	1	6

B.14   Georgia

Coverage and Exclusions

- Coverage was restricted to students whose language of instruction was Georgian

- School-level exclusions consisted of very small schools (MOS<4), and special education schools

Sample Design

- Explicit stratification by region for a total of 12 explicit strata

- Implicit stratification by school type (urban, rural) for a total of 23 implicit strata

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- Sampled two classrooms per school with at least 65 students (MOS≥65), one classroom otherwise

- Small schools sampled with equal probabilities (small school definition vary by region)

Exhibit B.14   Allocation of School Sample in Georgia

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Kvemo Kartli	10	1	8	1	0	0
Adjara	14	0	11	2	1	0
Apxazeti	2	0	1	1	0	0
Guria	6	1	5	0	0	0
Imereti	27	0	27	0	0	0
Kaxeti	14	1	13	0	0	0
Mckheta-Tianeti	5	0	5	0	0	0
Racha-Lechkhumi	2	0	1	0	1	0
Samckhe-Javakheti	5	0	4	0	1	0
Shida Kartli	12	0	11	1	0	0
Tbilisi	39	0	38	1	0	0
Samegrelo	16	0	15	0	1	0
Total	152	3	139	6	4	0

B.15   Germany

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<6), and schools for students with disabilities

- Within-school exclusions consisted of special needs students and non-native language speakers

Sample Design

- Explicit stratification by state for a total of 16 explicit strata

- Implicit stratification by school type (primary, special education) and by region (North, South, West, East, Northwest, etc.) within 'primary schools' strata for a total of 45 implicit strata

- Sampled one classroom per school

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- Small schools sampled with equal probabilities (small school definition vary by state)

Exhibit B.15   Allocation of School Sample in Germany

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Baden-Württemberg	25	0	22	0	1	2
Bayern	25	0	24	1	0	0
Berlin	25	0	25	0	0	0
Brandenburg	25	0	25	0	0	0
Bremen	25	0	25	0	0	0
Hamburg	25	0	23	2	0	0
Hessen	25	0	24	1	0	0
Mecklenburg-Vorpommern	25	0	25	0	0	0
Niedersachsen	25	0	24	0	1	0
Nordrhein-Westfalen	35	0	35	0	0	0
Rheinland-Pfalz	25	1	23	1	0	0
Saarland	25	0	25	0	0	0
Sachsen	25	0	25	0	0	0
Sachsen-Anhalt	25	0	25	0	0	0
Schleswig-Holstein	25	0	25	0	0	0
Thüringen	25	2	22	1	0	0
Total	410	3	397	6	2	2

B.16   Hong Kong SAR

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<10), and students from international schools

- Within-school exclusions consisted of students in special education classes from regular schools

Sample Design

- Explicit stratification by financial sources (aided, private, government, direct subsidies) and session within the 'aided schools' stratum (AM, PM, whole day) for a total of 6 explicit strata

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- Implicit stratification by region groups (high / medium / low performing regions) for a total of 18 implicit strata

- Sampled one classroom per school

- Small schools sampled with equal probabilities (small school definition vary by explicit stratum)

Exhibit B.16   Allocation of School Sample in Hong Kong SAR

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Aided - AM	19	0	16	3	0	0
Aided - PM	17	0	15	1	1	0
Aided - Whole Day	91	6	77	8	0	0
Private	10	0	9	1	0	0
Government	9	0	9	0	0	0
Direct Subsidies	4	0	4	0	0	0
Total	150	6	130	13	1	0

B.17   Hungary

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<6), and special education schools (SEN schools)

- Within-school exclusions consisted of SEN students

Sample Design

- Explicit stratification by type of community (capital, county town, town, rural area) for a total of 4 explicit strata

- Implicit stratification by performance level (high, medium, low, unknown) and by region for a total of 75 implicit strata

- Sampled two classrooms per school having at least 75 students (MOS≥75), and one classroom otherwise

- Small schools sampled with equal probabilities

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Exhibit B.17   Allocation of School Sample in Hungary

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Capital	22	0	21	1	0	0
Country Town	28	1	26	1	0	0
Town	50	0	50	0	0	0
Rural Area	50	0	50	0	0	0
Total	150	1	147	2	0	0

B.18   Iceland

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<5)

- Within-school exclusions consisted of disabled students and non-native language speakers

Sample Design

- No explicit stratification

- Implicit stratification by region for a total of 5 implicit strata

- Sampled all schools and all classrooms

Exhibit B.18   Allocation of School Sample in Iceland

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Island (Grade 4)	136	5	128	0	0	3
Total	136	5	128	0	0	3

B.19   Indonesia

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<6), schools from Nanggroe Aceh Darussalam (political reasons), schools from Papua (geographical reasons), and special education schools

Sample Design

- Explicit stratification by school type (general primary school & Islamic primary school) and school status (public, private) for a total of 4 explicit strata

- Implicit stratification by group of province (Western Indonesia, Central Java, Eastern Java & Banten, Central Indonesia, Eastern Indonesia) and urbanization (village, town) for a total of 40 implicit strata

- Sampled one classroom per school

- Small schools sampled with equal probabilities

Exhibit B.19   Allocation of School Sample in Indonesia

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
General Elementary Public	140	2	136	2	0	0
General Elementary Private	12	0	12	0	0	0
Islamic Elementary Public	2	0	2	0	0	0
Islamic Elementary Private	16	0	16	0	0	0
Total	170	2	166	2	0	0

B.20   Iran, Islamic Rep. of

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<5), and schools from Bam

Sample Design

- Explicit stratification by school type (public, private) and school gender (boys, girls, mixed) for a total of 5 explicit strata

- Implicit stratification by province for a total of 145 implicit strata

- Sampled one classroom per school

- Small schools sampled with equal probabilities

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Exhibit B.20   Allocation of School Sample in Iran, Islamic Rep. of

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Public - Girls	74	1	73	0	0	0
Public - Boys	68	0	68	0	0	0
Public - Mixed	48	2	46	0	0	0
Private - Girls	30	1	29	0	0	0
Private - Boys	20	0	19	1	0	0
Total	240	4	235	1	0	0

B.21   Israel

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<13), ultra-orthodox schools, schools with unknown SES, and special education schools

- Within-school exclusions consisted of students found in special classes within regular schools and special needs students within regular classes

Sample Design

- Explicit stratification by school type (Hebrew religious, Hebrew secular, Arab secular) for a total of 3 explicit strata

- Implicit stratification by SES indicator (low, medium, high) for a total of 9 implicit strata

- Sampled one classroom per school

- Small schools sampled with equal probabilities

Exhibit B.21   Allocation of School Sample in Israel

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Hebrew religious schools	40	0	39	0	1	0
Hebrew secular schools	70	1	67	1	1	0
Arab secular schools	40	0	40	0	0	0
Total	150	1	146	1	2	0

B.22   Italy

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<8)

- Within-school exclusions consisted of disabled students and non-native language speakers

Sample Design

- No explicit stratification

- Implicit stratification by region and urbanization (province capital towns, small towns) for a total of 40 implicit strata

- Sampled two classrooms in most larger school, and one classroom otherwise

- All schools sampled with probability proportional to the size of the school

Exhibit B.22   Allocation of School Sample in Italy

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Italy	150	0	136	11	3	0
Total	150	0	136	11	3	0

B.23   Kuwait

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of international schools and special education schools

- Within-school exclusions consisted of disabled students

Sample Design

- No explicit stratification

- Implicit stratification by region (Asema, Hawalli, Farwaniya, Ahmadi, Jahra, Mubarak) and gender (boys, girls) for a total of 12 implicit strata

- Sampled two classrooms per school having at least 175 students (MOS≥175), and one classroom otherwise

- The largest 25 schools were sampled with certainty

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Exhibit B.23   Allocation of School Sample in Kuwait

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Kuwait	150	0	149	0	0	1
Total	150	0	149	0	0	1

B.24   Latvia

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<4), language schools (other than Latvian or Russian), and special education schools

- Within-school exclusions consisted of disabled students

Sample Design

- Explicit stratification by urbanization (Riga, other cities, rural) for a total of 3 explicit strata

- Implicit stratification by language (Latvian, Mixed, Russian) for a total of 9 implicit strata

- Sampled two classrooms per school having at least 50 students (MOS≥50), and one classroom otherwise

- The largest 9 schools were sampled with certainty

- Small schools sampled with equal probabilities

Exhibit B.24   Allocation of School Sample in Latvia

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Riga	42	0	41	0	0	1
Other Cities	64	0	62	0	0	2
Rural	44	0	42	2	0	0
Total	150	0	145	2	0	3

B.25   Lithuania

Coverage and Exclusions

- Coverage in Lithuania was restricted to students whose language of instruction is Lithuanian

- School-level exclusions consisted of very small schools (MOS<4), and special education schools

- Within-school exclusions consisted of disabled students

Sample Design

- Explicit stratification by county for a total of 10 explicit strata

- Implicit stratification by urbanization (Vilnius, other major cities, regional centers, towns and villages) for a total of 26 implicit strata

- Sampled two classrooms per school whenever possible

- Small schools sampled with equal probabilities

Exhibit B.25   Allocation of School Sample in Lithuania

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Vilnius county	26	0	25	1	0	0
Kauno county	33	1	32	0	0	0
Klaipedos county	16	0	15	1	0	0
Liauliu county	17	0	17	0	0	0
Panevelio county	14	0	14	0	0	0
Alytaus county	9	2	7	0	0	0
Marijampoles county	10	0	10	0	0	0
Taurages county	8	1	7	0	0	0
Telliu county	10	0	10	0	0	0
Utenos county	7	0	7	0	0	0
Total	150	4	144	2	0	0

B.26   Luxembourg

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<3), and special education schools

- Within-school exclusions consisted of students in special education classes within regular schools, non-native language speakers, and disabled students within regular classes

Sample Design

- Explicit stratification by urbanization (urban, rural) for a total of 2 explicit strata

- No implicit stratification

- Sampled all schools and all classrooms

Exhibit B.26   Allocation of School Sample in Luxembourg

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Rural	125	4	121	0	0	0
Urbain	46	1	45	0	0	0
New schools	12	0	12	0	0	0
Total	183	5	178	0	0	0

B.27   Macedonia, Rep. of

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<15), Turkish and Serbian schools, and special education schools

- Within-school exclusions consisted of disabled students

Sample Design

- Explicit stratification by language (Macedonian, Albanian) and region (Skopje, outside Skopje) for a total of 4 explicit strata

- Implicit stratification by urbanization (urban, rural) for a total of 8 implicit strata

- Parts of school (Macedonian, Albanian) were sampled rather than schools

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- Sampled two classrooms per part of school having at least 152 students (MOS≥152), and one classroom otherwise

- The largest 39 parts of school were sampled with certainty

- Small parts of school sampled with equal probabilities

Exhibit B.27   Allocation of School Sample in Macedonia, Rep. of

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Macedonian - Skopje	30	0	30	0	0	0
Macedonian - Outside Skopje	67	0	67	0	0	0
Albanian - Skopje	14	0	13	0	1	0
Albanian - Outside Skopje	39	0	39	0	0	0
Total	150	0	149	0	1	0

B.28   Moldova

Coverage and Exclusions

- Coverage in Moldova is restricted to students living outside the Transnistria region

- School-level exclusions consisted of very small schools (MOS<6), Ukrainian schools, and special education schools

Sample Design

- Explicit stratification by urbanization (urban, rural) and language (national, mixed, Russian) for a total of 6 explicit strata

- Implicit stratification by school type (lyceum, gymnasium, primary, general) for a total of 23 implicit strata

- Sampled two classrooms per school having at least 75 students (MOS≥75), and one classroom otherwise

- Small schools sampled with equal probabilities

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Exhibit B.28   Allocation of School Sample in Moldova, Rep of

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Urban - National	34	0	32	1	1	0
Urban - Mixed	4	0	4	0	0	0
Urban - Russian	14	0	14	0	0	0
Rural - National	84	0	84	0	0	0
Rural - Mixed	4	0	4	0	0	0
Rural - Russian	10	0	10	0	0	0
Total	150	0	148	1	1	0

B.29   Morocco

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<7)

Sample Design

- Explicit stratification by school type (autonomous, centre, satellite, private) for a total of 4 explicit strata

- Implicit stratification by urbanization (urban, rural) for a total of 7 implicit strata

- Sampled one classroom per school

- Sampled 25 students within sampled classrooms

- Small schools sampled with equal probabilities

Exhibit B.29   Allocation of School Sample in Morocco

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
École Autonome	80	0	79	0	0	1
Secteur Scolaire Centre	33	0	33	0	0	0
École satellite	37	0	37	0	0	0
École Privée	10	0	7	3	0	0
Total	160	0	156	3	0	1

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B.30   Netherlands

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<6), and special education schools

- Within-school exclusions consisted of non-native language speakers and children with disabilities

Sample Design

- Explicit stratification by mean student weight indicator (low, medium, high) for a total of 3 explicit strata

- Implicit stratification by urbanization (very high, high, moderate, low, very low) for a total of 15 implicit strata

- Sampled all classrooms within sampled schools

- Small schools sampled with equal probabilities (MOS<22)

Exhibit B.30   Allocation of School Sample in the Netherlands

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Low mean student weights	44	0	31	6	4	3
Medium mean student weights	62	0	49	10	2	1
High mean student weights	44	0	24	9	4	7
Total	150	0	104	25	10	11

B.31   New Zealand

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<4), Rudolf Steiner schools, correspondence schools, Māoris in bilingual schools with less than 4 Māoris, and special education schools

- Within-school exclusions consisted of foreign fee paying students, special needs students, and students with insufficient instruction in test language

Sample Design

- Explicit stratification by language (Māori, Māori & English, English) for a total of 3 explicit strata

- Implicit stratification by Targeted Funding for Educational Achievement (TFEA) in English stratum (high, medium, low, unknown) and urbanization in English stratum (urban, rural) for a total of 9 implicit strata

- Sampled one classroom in the Māori stratum and one Māori classroom in the Māori & English stratum

- Sampled two English classrooms in the Māori & English stratum and the English stratum in schools having at least 60 students (MOS≥60), and one classroom otherwise

- School sampled with equal probabilities in the Māori and the Māori & English strata

- Small schools sampled with equal probabilities in the English stratum (MOS<16)

Exhibit B.31   Allocation of School Sample in New Zealand

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Maori Immersion	25	0	10	5	4	6
Maori & English	25	0	24	1	0	0
English Only	200	0	186	12	1	1
Total	250	0	220	18	5	7

B.32   Norway

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<3), Sami schools, and schools with missing stratification data

- Within-school exclusions consisted of foreign language speakers

Sample Design

- Explicit stratification by immigrant status, language (Bokmål, Nynorsk), and municipal expenditures (low, medium, high, large cities) for a total of 9 explicit strata

- Implicit stratification by municipal expenditures for immigrant school stratum (low, large cities) and immigrant status in all other explicit strata for a total of 18 implicit strata

- Sampled two classrooms per school

- Sampled all schools in the immigrant stratum

- Small schools sampled with equal probabilities in other strata

Exhibit B.32   Allocation of School Sample in Norway

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Immigrant schools	30	0	14	0	0	16
Bokmål - Low expenditures	74	1	55	8	0	10
Bokmål - Medium expenditures	20	0	12	3	0	5
Bokmål - High expenditures	4	0	4	0	0	0
Bokmål - Large cities	26	0	16	2	0	8
Nynorsk - Low expenditures	6	0	4	1	0	1
Nynorsk - Medium expenditures	12	0	9	2	0	1
Nynorsk - High expenditures	4	0	2	1	0	1
Nynorsk - Large cities	2	0	2	0	0	0
Total	178	1	118	17	0	42

B.33   Poland

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<6), and small schools in distant villages

- Within-school exclusions consisted of disabled students in mainstream school

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Sample Design

- Explicit stratification by urbanization (villages, towns, cities) for a total of 3 explicit strata

- Implicit stratification by region (16 regions: Dolnoslaskie, Kujawsko-Pomorskie, Lubelskie, Lubuskie, Lodzkie, Malopolskie, Mazowieckie, Opolskie, Podkarpackie, Podlaskie, Pomorskie, Slaskie, Swietokrzyskie, Warminsko-Mazurskie, Wielkopolskie, Zachodniopomorskie) for a total of 48 implicit strata

- Sampled two classrooms per school whenever possible

- Small schools sampled with equal probabilities

Exhibit B.33   Allocation of School Sample in Poland

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Villages	62	2	59	1	0	0
Towns	22	0	22	0	0	0
Cities	66	0	66	0	0	0
Total	150	2	147	1	0	0

B.34   Qatar

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<10)

Sample Design

- Explicit stratification by school type (government, private Arabic, independent) and gender (girls, boys) for a total of 6 explicit strata

- No implicit stratification

- Sampled all schools

- Sampled all classrooms

Exhibit B.34   Allocation of School Sample in Qatar

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Ministry of Education - Girls	42	1	41	0	0	0
Ministry of Education - Boys	35	1	34	0	0	0
Private Arabic - Girls	16	1	15	0	0	0
Private Arabic - Boys	11	1	10	0	0	0
Independent - Girls	8	0	8	0	0	0
Independent - Boys	11	0	11	0	0	0
Total	123	4	119	0	0	0

B.35   Romania

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<5), unidentified schools, mobile Gypsy schools, and special education schools

- Within-school exclusions consisted of disabled students

Sample Design

- Explicit stratification by region for a total of 7 explicit strata

- Implicit stratification by urbanization (urban, rural) for a total of 14 implicit strata

- Sampled two classrooms per school having at least 60 students (MOS≥60), and one classroom otherwise

- Small schools sampled with equal probabilities

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Exhibit B.35   Allocation of School Sample in Romania

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Ardeal	44	1	43	0	0	0
Banat	9	0	9	0	0	0
Bucuresti	11	0	11	0	0	0
Dobrogea	7	1	6	0	0	0
Moldova	30	0	30	0	0	0
Muntenia	34	1	32	0	0	1
Oltenia	15	0	15	0	0	0
Total	150	3	146	0	0	1

B.36   Russian Federation

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<6), evening schools, and special education schools

- Within-school exclusions consisted of disabled students

Sample Design

- A sample of 45 regions out of 89 is first drawn with PPS. The largest 17 regions were sampled with certainty (identified by a * in the next table). A sample of schools was then drawn within each region

- Implicit stratification by school location (rural settlement, cities with less than 50,000 people, cities between 50,000 and 100,000 people, cities between 100,000 and 450,000 people, cities between 450,000 and 680,000 people, cities with more than 680,000 people, St. Petersburg, Moscow) for a total of 233 implicit strata

- Sampled one classroom per school

- Small schools sampled with equal probabilities

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Exhibit B.36   Allocation of School Sample in the Russian Federation

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Belgorod oblast	4	0	4	0	0	0
Rostov oblast	8	0	8	0	0	0
Adygea	4	0	4	0	0	0
Komi	4	0	4	0	0	0
Hakasia	4	0	4	0	0	0
Razan oblast	4	0	4	0	0	0
Marii Al	4	0	4	0	0	0
Tula oblast	4	0	4	0	0	0
Kaliningrad oblast	4	0	4	0	0	0
Altai kr	6	0	6	0	0	0
Kabardino oblast	4	0	4	0	0	0
Kurst oblast	4	0	4	0	0	0
Dagestan	8	0	8	0	0	0
Kirov oblast	4	0	4	0	0	0
Lipstek oblast	4	0	4	0	0	0
N Novgorod oblast	6	0	6	0	0	0
Orenburg oblast	6	0	6	0	0	0
Amur oblast	4	0	4	0	0	0
Pskov oblast	4	0	4	0	0	0
Irkutsk oblast	6	0	6	0	0	0
Saratov oblast	4	0	4	0	0	0
Tatarstan	10	0	10	0	0	0
Volvograd oblast	4	0	4	0	0	0
Bashkortostan	12	0	12	0	0	0
Kurgan oblast	4	0	4	0	0	0
Krasnodar kr	8	0	8	0	0	0
Novosibirsk oblast	4	0	4	0	0	0
St. Petersburg	4	0	4	0	0	0
Sverdlovsk oblast	8	0	8	0	0	0
Alania	4	0	4	0	0	0
Tambov oblast	4	0	4	0	0	0
Udmurtia	4	0	4	0	0	0
Perm oblast	6	0	6	0	0	0
Stavropol kr	4	0	4	0	0	0

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Exhibit B.36   **Allocation of School Sample in the Russian Federation** *(continued)*

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Hanty-Mansii ok	4	0	4	0	0	0
Krasnoyarsk kr	6	0	6	0	0	0
Chuvashia	4	0	4	0	0	0
Sakha	4	0	4	0	0	0
Kemerovo oblast	4	0	4	0	0	0
Moscow	8	0	8	0	0	0
Moskva oblast	8	0	8	0	0	0
Orel oblast	4	0	4	0	0	0
Chelyabinsk oblast	6	0	6	0	0	0
Chita oblast	4	0	4	0	0	0
Omsk oblast	4	0	4	0	0	0
Total	232	0	232	0	0	0

B.37   Scotland

Coverage and Exclusions

Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<5), Gaelic schools, and special education schools

- Within-school exclusions consisted of pupils with special education needs

Sample Design

- Explicit stratification by school location for a total of 6 explicit strata

- Implicit stratification by school deprivation index (low FSM, medium FSM, high FSM, Unknown FSM, independent) for a total of 29 implicit strata

- Sampled two classrooms per school having at least 50 students (MOS≥50), one classroom otherwise

- Small schools sampled with equal probabilities

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Exhibit B.37   Allocation of School Sample in Scotland

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Large urban area	55	0	34	9	1	11
Other urban area	46	0	33	5	2	6
Accessible small town	17	0	14	1	1	1
Remore small town	5	0	3	0	0	2
Accessible rural area	19	0	13	3	3	0
Remore rural area	8	0	4	4	0	0
Total	150	0	101	22	7	20

B.38   Singapore

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of religious schools, private schools, and special education schools

Sample Design

- No explicit stratification

- No implicit stratification

- Sampled two classrooms per school. Classrooms were sampled with PPS. A sample of 19 students was drawn in each class

- All schools were sampled

Exhibit B.38   Allocation of School Sample in Singapore

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Singapore	178	0	178	0	0	0
Total	178	0	178	0	0	0

B.39   Slovak Republic

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<5), private schools, district board schools, civil association schools, and foreign language schools

- Within-school exclusions consisted of disabled students

Sample Design

- Explicit stratification by language (Slovak, Hungarian) and region within the 'Slovak schools' stratum for a total of 9 explicit strata

- Implicit stratification by region for Hungarian schools (Bratislavsky, Trnavsky, Nitriansky, Banskobystricky, Kosicky), school type for Slovak schools (public, church) and by school size for all strata (small, medium, large) for a total of 54 implicit strata

- Sampled two classrooms per school whenever possible

- Small schools sampled with equal probabilities

Exhibit B.39   Allocation of School Sample in Slovak Republic

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Slovak - Bratislavsky	16	1	14	0	0	1
Slovak - Trnavsky	16	0	14	1	0	1
Slovak - Trenciansky	16	0	14	0	1	1
Slovak - Nitriansky	16	0	15	1	0	0
Slovak - Zilinsky	22	0	22	0	0	0
Slovak - Banskobystricky	16	0	16	0	0	0
Slovak - Presovsky	28	1	25	2	0	0
Slovak - Kosicky	22	1	17	3	0	1
Hungarian	22	0	18	3	1	0
Total	174	3	155	10	2	4

B.40   Slovenia

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<8), and Italian schools

- Within-school exclusions consisted of disabled students

Sample Design

- Explicit stratification by school system (old, new, old & new) for a total of 3 explicit strata

- No implicit stratification

- Sampled two classrooms per school whenever possible

- Small schools sampled with equal probabilities

- Twelve schools were sampled with certainty due to their (large) size

Exhibit B.40   Allocation of School Sample in Slovenia

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Old only	66	0	64	0	0	2
New only	80	0	72	4	1	3
Old and New	4	0	4	0	0	0
Total	150	0	140	4	1	5

B.41   South Africa

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<14), other language schools, schools in very small strata, and special education schools

Sample Design

- Explicit stratification by province and language for a total of 62 explicit strata

- Implicit stratification by region (32 regions) for a total of 250 implicit strata

- Sampled one classroom per school

- Small schools sampled with equal probabilities

- Seven schools were sampled with certainty due to their (large) size in Mpumalanga-Isindebele

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Exhibit B.41   Allocation of School Sample in South Africa

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Eastern Cape - Afrikaans	3	0	3	0	0	0
Eastern Cape - English	17	1	14	1	0	1
Eastern Cape - Isixhosa	26	0	25	0	0	1
Eastern Cape - Sesotho	2	0	1	0	0	1
Eastern Cape - Eng. & Afr.	2	0	2	0	0	0
Eastern Cape - Bilingual	2	0	2	0	0	0
Eastern Cape - Missing	2	0	2	0	0	0
Free State - Afrikaans	2	0	2	0	0	0
Free State - English	3	0	3	0	0	0
Free State - Sesotho	21	1	20	0	0	0
Free State - Setswana	2	0	2	0	0	0
Free State - Eng. & Afr.	2	0	2	0	0	0
Free State - Bilingual	2	1	1	0	0	0
Free State - Missing	2	0	2	0	0	0
Gauteng - Afrikaans	5	0	3	1	0	1
Gauteng - English	18	1	17	0	0	0
Gauteng - Isixhosa	2	0	2	0	0	0
Gauteng - Isizulu	2	0	2	0	0	0
Gauteng - Sepedi	2	0	2	0	0	0
Gauteng - Sesotho	3	0	3	0	0	0
Gauteng - Setswana	2	0	2	0	0	0
Gauteng - Eng. & Afr.	3	0	2	1	0	0
Gauteng - Bilingual	3	0	3	0	0	0
Gauteng - Missing	2	0	1	0	1	0
Kwazulu Natal - Afrikaans	2	0	2	0	0	0
Kwazulu Natal - English	19	2	16	1	0	0
Kwazulu Natal - Isizulu	32	6	24	0	0	2
Kwazulu Natal - Eng. & Afr.	2	0	2	0	0	0
Kwazulu Natal - Bilingual	2	0	2	0	0	0
Kwazulu Natal - Missing	2	1	1	0	0	0
Limpopo - Afrikaans	2	0	2	0	0	0
Limpopo - English	11	0	11	0	0	0
Limpopo - Sepedi	22	2	19	0	0	1
Limpopo - Tshivenda	25	5	18	0	0	2

Exhibit B.41   Allocation of School Sample in South Africa *(continued)*

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Limpopo - Xitsonga	25	6	18	0	0	1
Limpopo - Eng. & Afr.	2	0	2	0	0	0
Limpopo - Bilingual	2	0	2	0	0	0
Limpopo - Missing	2	0	2	0	0	0
Mpumalanga - Afrikaans	2	0	2	0	0	0
Mpumalanga - English	11	0	9	0	0	2
Mpumalanga - Isindebele	25	0	25	0	0	0
Mpumalanga - Isizulu	4	0	3	0	0	1
Mpumalanga - Sepedi	2	0	2	0	0	0
Mpumalanga - Setswana	2	0	2	0	0	0
Mpumalanga - Siswati	25	1	24	0	0	0
Mpumalanga - Eng. & Afr.	2	0	2	0	0	0
Mpumalanga - Bilingual	3	0	3	0	0	0
Mpumalanga - Missing	2	1	1	0	0	0
Northern Cape - Afrikaans	6	0	6	0	0	0
Northern Cape - English	2	0	2	0	0	0
Northern Cape - Setswana	2	1	1	0	0	0
Northern Cape - Eng. & Afr.	3	0	3	0	0	0
Northern Cape - Missing	12	1	11	0	0	0
North West - Afrikaans	2	0	2	0	0	0
North West - English	2	0	2	0	0	0
North West - Setswana	22	1	21	0	0	0
North West - Eng. & Afr.	2	0	2	0	0	0
North West - Missing	2	0	2	0	0	0
Western Cape - Afrikaans	12	0	12	0	0	0
Western Cape - English	4	0	3	1	0	0
Western Cape - Isixhosa	5	0	5	0	0	0
Western Cape - Eng. & Afr.	7	0	7	0	0	0
Total	441	31	391	5	1	13

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B.42   Spain

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<7), and special education schools

- Within-school exclusions consisted of disabled students and non-native language speakers (less than a year of instruction in the language of test)

Sample Design

- Explicit stratification by autonomous communities for a total of 18 explicit strata

- Implicit stratification by school type (public, private) for a total of 36 implicit strata

- Sampled two classrooms per school with at least 55 students (MOS≥55) and one classroom otherwise

- Small schools sampled with equal probabilities

Exhibit B.42   Allocation of School Sample in Spain

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Andalucia	32	0	32	0	0	0
Aragon	4	0	4	0	0	0
Asturias	2	0	2	0	0	0
Baleares (Islas)	3	0	3	0	0	0
Canarias	7	0	6	1	0	0
Cantabria	2	0	1	1	0	0
Castilla-La Mancha	7	0	7	0	0	0
Castilla y Leon	7	0	7	0	0	0
Cataluna	22	0	22	0	0	0
Comunidad Valenciana	16	0	16	0	0	0
Extremadura	4	0	4	0	0	0
Galicia	8	0	8	0	0	0
Madrid	20	0	20	0	0	0
Murcia (Región de)	6	0	6	0	0	0
Navarra	2	0	2	0	0	0
Pais Vasco	6	0	6	0	0	0
La Rioja	2	0	1	0	1	0
Ceuta y Melilla	2	0	2	0	0	0
Total	152	0	149	2	1	0

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B.43 Sweden

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<5), non-Swedish speaking schools, hospital and refugee schools, Sami schools, and special education schools

- Within-school exclusions consisted of disabled students and non native language speakers (one year or less of Swedish instruction)

Sample Design

- Explicit stratification by school type (private, public) for a total of 2 explicit strata

- No implicit stratification

- Sampled two classrooms per school whenever possible

- Small schools sampled with equal probabilities

Exhibit B.43   Allocation of School Sample in Sweden

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Public	120	2	118	0	0	0
Private	30	1	29	0	0	0
Total	150	3	147	0	0	0

B.44   Trinidad and Tobago

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<6)

Sample Design

- Explicit stratification by region for a total of 8 explicit strata

- Implicit stratification by school type (private, government, denominational) and gender (mixed, girls, boys) for a total of 38 implicit strata

- Sampled two classrooms per school having at least 75 students (MOS≥75), and one classroom otherwise

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- Small schools sampled with equal probabilities

- 17 schools were sampled with certainty due to their (large) size

Exhibit B.44   Allocation of School Sample in Trinidad & Tobago

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
Caroni	22	0	22	0	0	0
North Eastern	9	0	9	0	0	0
Port of Spain & Environs	29	0	27	0	0	2
St George East	34	0	34	0	0	0
St Patrick	15	0	15	0	0	0
South Eastern	12	0	12	0	0	0
Victoria	21	1	20	0	0	0
Tobago	8	0	8	0	0	0
Total	150	1	147	0	0	2

B.45   United States

Coverage and Exclusions

- Coverage is 100%

- School-level exclusions consisted of very small schools (MOS<11), special education, vocational and alternative public schools, and special education, vocational and alternative private schools. Note that students in the five U.S. Territories of American Samoa, Guam, Northern Marianas, Puerto Rico, and the Virgin Islands were considered out of scope. Students enrolled in foreign Department of Defense schools were also considered out of scope.

- Within-school exclusions consisted of special education students, and English language learners (students with < 1 year of English instruction)

Sample Design

- Explicit stratification by Metropolitan Statistical Area (MSA) status (the 10 largest MSA versus all other MSAs) for a total of two explicit strata

- Within the 10 largest MSA, implicit stratification by MSA, Common Core of Data/Private School Survey (CCDPSS) (1 or 2), poverty indicator (high, low), and school size. A sample of 70 schools was drawn with PPS where schools with CCDPSS=2 and schools with a high poverty status were given more chances to be drawn in the sample.

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- In the other explicit stratum (all other MSAs), implicit stratification by PSU code (counties or contiguous counties). A sample of 38 PSUs was drawn with PPS. Within each sampled PSU, another implicit stratification was done by CCDPSS, poverty indicator, and school size. Schools with CCDPSS=2 and schools with a high poverty status also were given a greater chance of being sampled. Finally, a PPS sample of 4 schools was drawn within each selected PSU.

- Sampled one or two classrooms per school

Exhibit B.45   Allocation of School Sample in the United States

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
USA - Self-Representative Units	70	1	32	14	9	14
USA - PSU 23	4	1	1	1	1	0
USA - PSU 42	4	0	3	1	0	0
USA - PSU 53	4	0	4	0	0	0
USA - PSU 68	4	0	2	1	0	1
USA - PSU 76	4	1	2	1	0	0
USA - PSU 92	4	0	4	0	0	0
USA - PSU 115	4	0	2	1	1	0
USA - PSU 127	4	1	1	0	2	0
USA - PSU 134	4	0	1	0	2	1
USA - PSU 159	4	0	2	1	0	1
USA - PSU 172	4	0	1	0	0	3
USA - PSU 200	4	0	3	0	1	0
USA - PSU 210	4	0	1	0	1	2
USA - PSU 215	4	0	0	1	2	1
USA - PSU 224	4	0	4	0	0	0
USA - PSU 244	4	0	0	0	3	1
USA - PSU 251	4	0	0	1	1	2
USA - PSU 264	4	0	3	0	1	0
USA - PSU 288	4	1	2	1	0	0
USA - PSU 294	4	0	3	0	1	0
USA - PSU 300	4	1	2	1	0	0
USA - PSU 314	4	0	4	0	0	0
USA - PSU 322	4	0	3	0	0	1

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Exhibit B.45   **Allocation of School Sample in the United States** *(continued)*

Explicit Stratum	Total Sampled Schools	Ineligible Schools	Participating Schools			Non-Participating Schools
			Sampled	1st Replacement	2nd Replacement	
USA - PSU 336	4	0	4	0	0	0
USA - PSU 343	4	0	3	0	0	1
USA - PSU 366	4	0	2	2	0	0
USA - PSU 374	4	0	3	0	1	0
USA - PSU 381	4	0	3	0	0	1
USA - PSU 386	4	0	3	0	1	0
USA - PSU 397	4	0	1	2	1	0
USA - PSU 404	4	0	2	1	1	0
USA - PSU 410	4	0	3	1	0	0
USA - PSU 417	4	1	3	0	0	0
USA - PSU 422	4	0	2	0	0	2
USA - PSU 428	4	1	2	1	0	0
USA - PSU 434	4	0	3	0	1	0
USA - PSU 439	4	0	4	0	0	0
USA - PSU 446	4	0	2	2	0	0
Total	222	8	120	33	30	31

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