

Appendix 3A: PIRLS 2016 Stratification Variables

PIRLS 2016 Stratification Variables

Country	Explicit Stratification Variables	Number of Explicit Strata	Implicit Stratification Variables
Australia	State or territory (8)	8	Geographic location (3) School type (3) Socioeconomic status (2)
Austria	Region (9)	9	None
Azerbaijan	Language (2) Urbanization (2) City (2)	4	None
Bahrain	Governorate (5) Gender (2)	9	None
Belgium (Flemish)	Region (6) School type (3) Socioeconomic status (4)	18	None
Belgium (French)	School network (3) Socioeconomic status (4)	10	None
Bulgaria	School type (3) Urbanization (3)	8	Urbanization (2)
Canada	Province (8) School language (2) within British Columbia School type (3) within English schools in British Columbia School system (2) within Alberta School type (2) within Alberta School type (3) within Ontario (3) Language (2) within Ontario School language (2) within Quebec School type (2) within Quebec School language (2) within New Brunswick	22	Region (4) in public and Catholic schools within Ontario
Chile	School type (3) Urbanization (2) School size (3)	8	None
Chinese Taipei	Region (4)	4	None
Czech Republic	Region (14)	14	None
Denmark	School type (2)	2	None
Egypt	Region (3) School type (2)	6	Urbanization (2)
England	School type (2) Performance (5)	6	None
Finland	Language (2) Major region (4) Urbanization (2)	8	None
France	School type (3)	3	None

PIRLS 2016 Stratification Variables (Continued)

Country	Explicit Stratification Variables	Number of Explicit Strata	Implicit Stratification Variables
Georgia	Language taught in school (2) Teacher certification (2) Urbanization (2) School type (2)	7	None
Germany	Socioeconomic Status (4) School Type (2)	5	None
Hong Kong SAR	School gender (2) School type (4)	5	None
Hungary	Community type (3) National assessment reading score (4)	11	None
Iran, Islamic Rep. of	School type (2) Gender (3) Region group (3) Province (6)	22	None
Ireland	School-level socioeconomic status (4) Language (3) Gender (3)	8	None
Israel	School sector (3) Socioeconomic status (3) Subgroups within Arab sector (3)	10	None
Italy	School type (2) Region (5)	6	None
Kazakhstan	Region (4) Language (3) Urbanization (2)	17	None
Kuwait	School type (2) Region (6) Gender (2) Language (3)	15	None
Latvia	School level (2) Urbanization (3) Language (2) School type (2)	10	None
Lithuania	Language (4) Urbanization (4)	7	None
Macao SAR	None	1	None
Malta	School type (3)	3	None
Morocco	School type (2) Region (16)	18	None
Netherlands	Socioeconomic status level (5) Urbanization (5)	12	None
New Zealand	School type (4) Socioeconomic status (4) Urbanization (2)	11	None
Northern Ireland	Region (5) Deprivation (5)	14	None

PIRLS 2016 Stratification Variables (Continued)

Country	Explicit Stratification Variables	Number of Explicit Strata	Implicit Stratification Variables
Norway (5)	Grade 5 only/grade 4 and 5 schools (2) Language (2)	3	None
Oman	Governorates (11) School type (3)	13	None
Poland	Urbanization (4) School performance level (5)	15	None
Portugal	Region (7) School type (2)	8	None
Qatar	School type (3) Gender (3)	4	None
Russian Federation	Region (42)	42	None
Saudi Arabia	Region (13) Gender (2)	17	None
Singapore	None	1	None
Slovak Republic	Language (2) Socioeconomic status (3) Grouped region (5)	14	None
Slovenia	School type (2) Region (4)	8	None
South Africa (5)	Language (11) Province (9)	23	None
Spain	Region (7) School type (2) Bilingual status (2) within Madrid strata	19	None
Sweden	Grade average (4)	4	None
Trinidad and Tobago	School type (2) Region (8)	9	None
United Arab Emirates	Emirates (7) School type (2) Language of instruction (2) Region (3) within Abu Dhabi School type (3) within Abu Dhabi Curriculum (4) within Abu Dhabi School type (2) within Dubai Language (3) within Dubai	28	None
United States	Poverty level (2) School type (2) Census region (4)	12	Urbanization (4) Ethnicity Status (2)

PIRLS 2016 Stratification Variables (Continued)

Country	Explicit Stratification Variables	Number of Explicit Strata	Implicit Stratification Variables
Benchmarking Participants			
Andalusia, Spain	School type (2)	2	None
Denmark (3)	School type (2)	2	None
Eng/Afr/Zulu - RSA (5)	Language (3)	5	None
Madrid, Spain	School type (3) Bilingual status (2) within Madrid strata	5	None
Moscow City, Russian Fed.	None	1	None
Buenos Aires, Argentina	School type (2) Socioeconomic status (3)	6	None
Ontario, Canada	School type (3) Language (2)	4	Region (4) in public and Catholic
Quebec, Canada	Language (2) School type (2)	4	None
Norway (4)	Grade 4 only/Grade 4 and 5 schools (2) Language (2)	3	None
Abu Dhabi, UAE	Region (3) School type (3) Curriculum (4)	9	None
Dubai, UAE	School type (2) Language (3)	4	None