

Appendix 3B: TIMSS 2015 Eighth Grade 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)
Bahrain	Governorate (5) Gender (2)	9	None
Botswana (9)	School type (2) Region (6) Socioeconomic status (2)	11	None
Canada	Province (4) Language (2) Grade 8 only / grade 4 and 8 (2) within Ontario School type (3) within Ontario School type (2) within Quebec	12	Region (4) in public and Catholic schools within Ontario Achievement (4) within Quebec (all but English private schools)
Chile	Grade 8 / grade 4 and 8 schools (2) School type (3) Urbanization (2)	6	National assessment score level (5)
Chinese Taipei	Urbanization (3) Performance level (6)	15	None
Egypt	School type (4) Region (3) Urbanization (2) Gender schools (3)	14	None
England	School type (2) Attainment level (5)	6	None
Georgia	Grade 8 only / grade 4 and 8 schools (2) Region (4) Math average score (3)	14	None
Hong Kong SAR	School finance type (4)	4	Other school characteristic (3)
Hungary	Grade 8 only / grade 4 and 8 schools (2) National assessment score (2) Type of community (3)	8	None
Iran, Islamic Rep. of	School type (2) Gender (3) Region group (3) Province (6)	20	None
Ireland	School sector (3) Socioeconomic status (3) Gender (3)	13	None
Israel	School sector (4) Socioeconomic status (3) Subgroups within Arab sector (3)	9	None
Italy	School type (2) Region (6)	7	None
Japan	Urbanization (4) School type (2)	5	None

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Country	Explicit Stratification Variables	Number of Explicit Strata	Implicit Stratification Variables
Jordan	School type (6) Achievement level (6)	31	Region or grouped regions (5)
Kazakhstan	Grade 8 only / grade 4 and 8 schools (2) Region (4) Urbanization (2) Language (2)	18	None
Korea, Rep. of	Urbanization (3) School gender (3)	9	None
Kuwait	School type (2) Region (6) Gender (2) Language (2)	14	None
Lebanon	Performance level (2) School type (2)	3	Region (7)
Lithuania	Grade 8 / grade 4 and 8 schools (2) Languages (5)	9	Urbanization (4)
Malaysia	School type (6) Score level (6) Urbanization (2)	15	
Malta	None	1	School type (3) Gender (3)
Morocco	School type (2) Region (16)	18	Urbanization (2)
New Zealand	School type (2) Socioeconomic status (4) Urbanization (2) Gender schools (3)	13	None
Norway (9)	Grade 9 / grade 5 and 9 schools (2) Language (2) Municipality size (3)	8	None
Oman	School type (3) Governorates (11)	13	Gender (3)
Qatar	Grade 8 only / grade 4 and 8	2	School type (4) Gender (3)
Russian Federation	Region (42)	42	None
Saudi Arabia	Gender school (2) Type of education (2) School type (2)	6	None
Singapore	None	1	None
Slovenia	Performance level (4)	4	None
South Africa (9)	School type (2) Province (9) Language (3) Socioeconomic status (2)	17	Performance level (5) Region (2)

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Country	Explicit Stratification Variables	Number of Explicit Strata	Implicit Stratification Variables
Sweden	Grade average (7)	7	Grade 8 / grade 4 and 8 schools (2)
Thailand	Jurisdiction (STRA) (7) Region (3)	9	None
Turkey	Urbanization (2) Statistical region (12)	13	None
United Arab Emirates	Grade 8 only / grade 4 and 8 schools (2) Educational zone (4) National assessment score (4) Curriculum (3) School type (2) within Dubai Region (3) within Abu Dhabi School type (3) within Abu Dhabi Performance level (3) within Abu Dhabi	23	Educational zones (5) Language of test (3)
United States	Poverty level (2) School type (2) Census Region (4)	12	Urbanization (4) Ethnicity status (2)
Benchmarking Participants			
Buenos Aires, Argentina	Grade 8 only / grade 4 and 8 schools (2) School type (2) Socioeconomic status (3)	10	None
Ontario, Canada	Grade 8 / grade 4 and 8 schools (2) Language (2) School type (3)	6	Regional office (3)
Quebec, Canada	School type (2) Language (2)	4	Math average score (3)
Norway (8)	Grade 9 / grade 5 and 9 schools (2) Language (2) Municipality size (3)	8	None
Abu Dhabi, UAE	Grade 8 only / grade 4 and 8 schools (2) Region (3) School type (3) Performance level (3)	11	None
Dubai, UAE	Grade 8 only / grade 4 and 8 schools (2) School type (2)	4	Language of test (3)
Florida, US	Poverty level (2)	2	Urbanization (4) Ethnicity status (2)