TRENDS IN INTERNATIONAL MATHEMATICS AND SCIENCE STUDY

TIMSS

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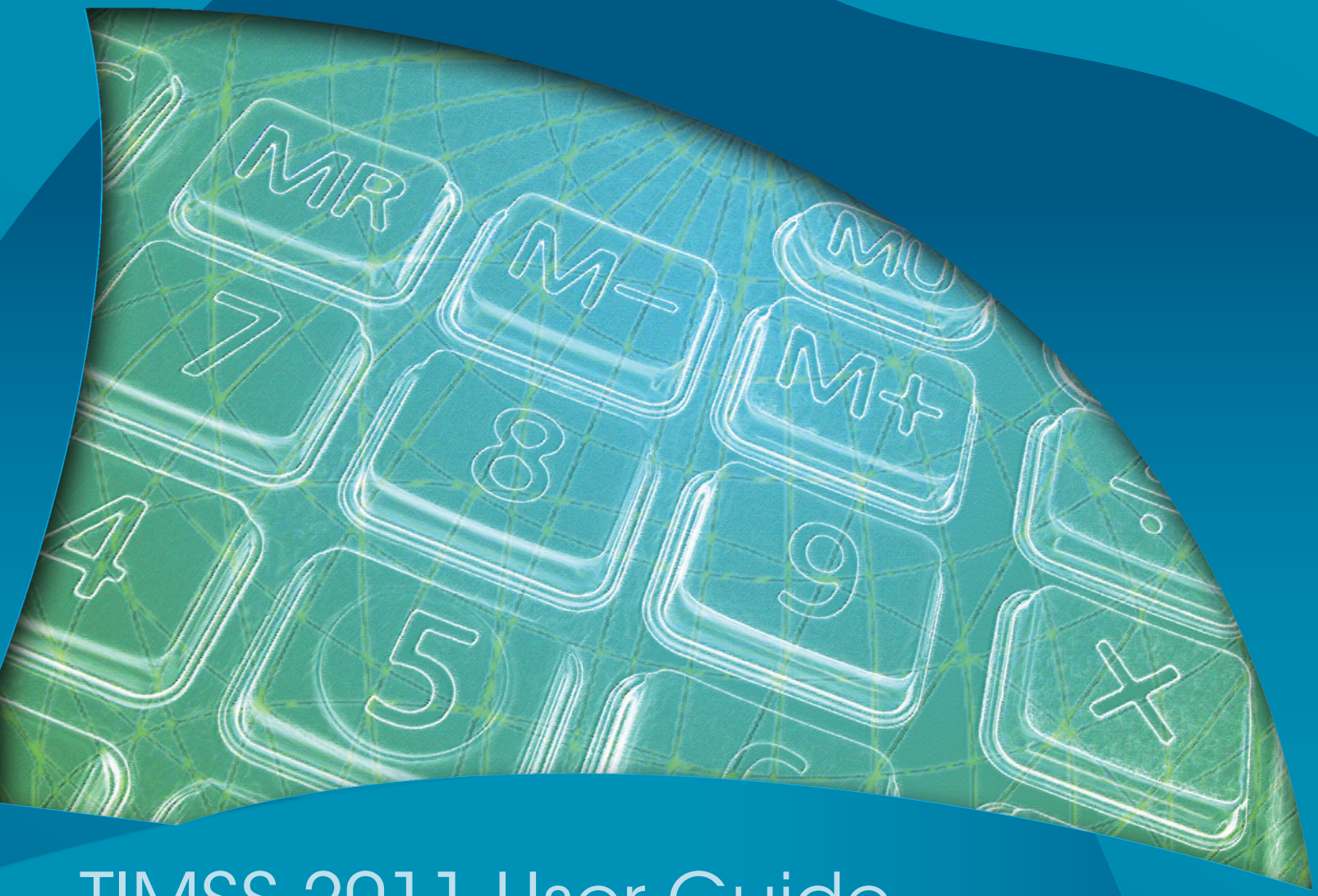

TIMSS 2011 User Guide for the International Database

Supplement 4

TIMSS 2011 Sampling Stratification Information

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Supplement 4

TIMSS 2011 Sampling Stratification Information

Overview

This supplement contains documentation on the explicit and implicit stratification variables included in the TIMSS 2011 data files at the fourth and eighth grades. The explicit strata are smaller sampling frames, created from the national sampling frames, from which national samples of schools were drawn. The implicit strata are nested within the explicit strata, and were used for sorting the sampling frame prior to the systematic sampling of the schools. Details of the TIMSS 2011 sample design and implementation are available online at *Methods and Procedures in TIMSS and PIRLS 2011*.

Stratification Variables

The explicit and implicit stratification variables are named IDSTRATE and IDSTRATI, respectively. Country-specific codes and labels are provided for each stratum and at both grades. These codes and labels are presented in Exhibits S4.1 and S4.2 for the fourth-grade explicit and implicit strata, respectively, and in Exhibits S4.3 and S4.4 for the eighth grade.

Notes and Considerations

The stratification variables contain information useful for secondary analyses. However, users are cautioned that stratification in some countries is very detailed, resulting in strata—either explicit or implicit—with sample sizes that may be too small to produce reliable estimates. Users should exercise caution when drawing conclusions based on estimates obtained from small strata.

The stratification is based on information provided by each country in their school sampling frames. These sampling frames were provided well in advance of data collection—sometimes 2 years prior. Thus, the stratification information may no longer be appropriate or available when consulting more current sources and differences in a school's status may occur. Some countries have chosen not to report stratification information, or to limit the amount of detail provided, for reasons of confidentiality.

Exhibit S4.1: TIMSS 2011 Explicit Stratification Information - Fourth Grade

Country	Code	Label
Armenia	1	Grade 4
	3	Grades 4 & 8
Australia	1	Australian Capital Territory
	2	New South Wales
	3	Northern Territory
	4	Queensland
	5	South Australia
	6	Tasmania
	7	Victoria
	8	Western Australia
Austria	.A	Not Available
Azerbaijan	1	Low Performance
	2	Medium Performance
	3	High Performance
	4	Unknown Performance
Bahrain	1	Public - Capital
	2	Public - Central
	3	Public - Muharraq
	4	Public - Northern
	5	Public - Southern
	6	Private
Belgium (Flemish)	1	Antwerpen - Public
	2	Antwerpen - Private
	3	Brussels and Vlaams-Brabant - Public
	4	Brussels and Vlaams-Brabant - Private
	5	Limburg - Public
	6	Limburg - Private
	7	Oost-Vlaanderen - Public
	8	Oost-Vlaanderen - Private
	9	West-Vlaanderen - Public
	10	West-Vlaanderen - Private
Botswana	2	Central North
	3	Central South
	4	North
	5	South
	6	South Central
	7	West
Chile	1	Grade 4 - Public Municipal
	2	Grade 4 - Private Subsidized
	3	Grade 4 - Private Paid
	7	Grades 4 & 8 - Public Municipal
	8	Grades 4 & 8 - Private Subsidized
	9	Grades 4 & 8 - Private Paid
Chinese Taipei	1	East
	2	Isolated Islands
	3	Middle
	4	North
	5	South
Croatia	1	One Building Schools
	2	Multiple Building Schools
	3	Minority Schools
Czech Republic	1	Extended Education of Languages
	2	No Extended Education of Languages
Denmark	1	Public
	2	Private
England	1	Year 5
	3	Year 5 & Year 9

Exhibit S4.1: TIMSS 2011 Explicit Stratification Information - Fourth Grade *(Continued)*

Country	Code	Label
Finland	1	Eastern Finland - Urban and Semi-urban
	2	Eastern Finland - Rural
	3	Northern Finland - Urban and Semi-urban
	4	Northern Finland - Rural
	5	Southern Finland - Urban and Semi-urban
	6	Southern Finland - Rural
	7	Swedish Speaking - Urban and Semi-urban
	8	Swedish Speaking - Rural
	9	Western Finland - Urban and Semi-urban
	10	Western Finland - Rural
Georgia	1	Grades 4 & 8 - Sida qarTli
	2	Grades 4 & 8 - Tbilisi
	3	Grades 4 & 8 - aWara
	4	Grades 4 & 8 - afxazeTi - ltolvilebi
	5	Grades 4 & 8 - guria
	6	Grades 4 & 8 - imereTi
	7	Grades 4 & 8 - kaxeTi
	8	Grades 4 & 8 - mcxeTa-mTianeTi
	9	Grades 4 & 8 - qvemo qarTli
	10	Grades 4 & 8 - raWa-leGxumi da qvemo svaneTi
	11	Grades 4 & 8 - samcxe-javaxeTi
	12	Grades 4 & 8 - samegrelo-zemo svaneTi
	13	Grade 4
Germany	.A	Not Available
Honduras	1	Grade 4 - Public - Urban
	2	Grade 4 - Public - Rural
	3	Grade 4 - Private
	7	Grades 4 & 8 - Public - Urban
	8	Grades 4 & 8 - Public - Rural
	9	Grades 4 & 8 - Private
Hong Kong SAR	2	Aided - Afternoon Shift
	3	Aided - Morning Shift
	4	Aided - No Shifts
	5	Direct Subsidy
	6	Government
	7	PIRLS Excluded
	8	Private
Hungary	1	Grade 4 - County Seat
	2	Grade 4 - Capital
	3	Grade 4 - Rural Area
	4	Grade 4 - Town
	9	Grades 4 & 8 - Capital
	10	Grades 4 & 8 - County Seat
	11	Grades 4 & 8 - Rural Area
	12	Grades 4 & 8 - Town
Iran, Islamic Rep. of	1	None
Ireland	1	Large Enrolment
	2	Medium Enrolment
	3	Small Enrolment
	4	Very Small Enrolment
Italy	1	Center
	2	Northeast
	3	Northwest
	4	South
	5	South Islands

Exhibit S4.1: TIMSS 2011 Explicit Stratification Information - Fourth Grade *(Continued)*

Country	Code	Label
Japan	1	Very Large City
	2	Large City
	3	Small City
	4	Non City Areas
Kazakhstan	1	Grade 4
	3	Grades 4 & 8 - Akmola
	4	Grades 4 & 8 - Aktobe
	5	Grades 4 & 8 - Almaty
	6	Grades 4 & 8 - Almaty City
	7	Grades 4 & 8 - Astana City
	8	Grades 4 & 8 - Atyrau
	9	Grades 4 & 8 - East Kazakhstan
	10	Grades 4 & 8 - Karagandy
	11	Grades 4 & 8 - Kostanay
	12	Grades 4 & 8 - Kyzylorda
	13	Grades 4 & 8 - Mangystau
	14	Grades 4 & 8 - North Kazakhstan
	15	Grades 4 & 8 - Pavlodar
	16	Grades 4 & 8 - South Kazakhstan
	17	Grades 4 & 8 - West Kazakhstan
	18	Grades 4 & 8 - Zhambyl
Korea, Rep. of	1	Cheju-do
	2	Chollabuk-do
	3	Chollanam-do
	4	Chungchongbuk-do
	5	Chungchongnam-do
	6	Inchon
	7	Kangwon-do
	8	Kwangju
	9	Kyongsangbuk-do
	10	Kyongsangnam-do
	11	Kyunggi-do
	12	Pusan
	13	Seoul
	14	Taegu
	15	Taejon
	16	Ulsan
Kuwait	1	Ahmadi
	2	Asema
	3	Farwaniya
	4	Hawalli
	5	Jahra
	6	Mubarak
Lithuania	1	Grade 4 - Cities
	2	Grade 4 - Other Major Cities
	3	Grade 4 - Small Cities & Villages
	4	Grade 4 - Vilnius
	9	Grades 4 & 8 - Cities
	10	Grades 4 & 8 - Other Major Cities
	11	Grades 4 & 8 - Small Cities & Villages
	12	Grades 4 & 8 - Vilnius
Malta	1	None
Morocco	1	Private
	2	Public - Region 1
	3	Public - Region 2
	4	Public - Region 3
	5	Public - Region 4
	6	Public - Region 5

Exhibit S4.1: TIMSS 2011 Explicit Stratification Information - Fourth Grade *(Continued)*

Country	Code	Label
Morocco	7	Public - Region 6
	8	Public - Region 7
	9	Public - Region 8
	10	Public - Region 9
	11	Public - Region 10
Netherlands	1	High Mean SES
	2	High to Medium Mean SES
	3	Medium Mean SES
	4	Medium to Low Mean SES
	5	Low Mean SES
New Zealand	.A	Not Available
Northern Ireland	1	Belfast
	2	Northeast
	3	Southeast
	4	Southern
	5	Western
Norway	1	Grade 4 - Bokmål
	2	Grade 4 - Nynorsk or Other
	5	Grades 4 & 8 - Bokmål
	6	Grades 4 & 8 - Nynorsk or Other
Oman	1	Grade 4 - International
	2	Grade 4 - Public
	3	Grade 4 - Private
	6	Grades 4 & 8 - International
	7	Grades 4 & 8 - Public
	8	Grades 4 & 8 - Private
Poland	1	Village
	2	Town (Fewer than 20,000 Inhabitants)
	3	City (20,000 to 100,000 Inhabitants)
	4	Large City (More than 100,000 Inhabitants)
Portugal	1	Public
	2	Private
Qatar	1	Grade 4
	3	Grades 4 & 8
Romania	1	Grade 4
	3	Grades 4 & 8 - Unknown Performance
	4	Grades 4 & 8 - Low Performance
	5	Grades 4 & 8 - Medium Performance
	6	Grades 4 & 8 - High Performance
	7	Grades 4 & 8 - Very High Performance
Russian Federation	.A	Not Available
Saudi Arabia	1	Grade 4 - Non Religious Schools - Girls
	2	Grade 4 - Non Religious Schools - Boys
	3	Grade 4 - Religious Schools - Girls
	4	Grade 4 - Religious Schools - Boys
	5	Grade 4 - International Schools
Serbia	1	Vojvodina - Single Department
	2	Vojvodina - Main Department
	3	Vojvodina - Branch Department
	4	Belgrade - Single Department
	5	Belgrade - Main Department
	6	Belgrade - Branch Department
	7	Central Serbia - Single Department
	8	Central Serbia - Main Department
	9	Central Serbia - Branch Department
	10	Schools without Measure of Size
Singapore	1	Grade 4
	3	Grades 4 & 8

Exhibit S4.1: TIMSS 2011 Explicit Stratification Information - Fourth Grade *(Continued)*

Country	Code	Label
Slovak Republic	1	Bratislavský - Slovak
	2	Bratislavský - Hungarian
	3	Trnavský - Slovak
	4	Trnavský - Hungarian
	5	Trenciansky - Slovak
	6	Nitriansky - Slovak
	7	Nitriansky - Hungarian
	8	Žilinský - Slovak
	9	Banskobystrický - Slovak
	10	Banskobystrický - Hungarian
	11	Prešovský - Slovak
	12	Košický - Slovak
	13	Košický - Hungarian
Slovenia	1	Pomurska Region
	2	Podravska Region
	3	Koroska Region
	4	Savinjska Region
	5	Zasavska Region
	6	Spodnjeposavska Region
	7	Jugovzhodna Region
	8	Osrednjeslovenska Region
	9	Gorenjska Region
	10	Notranjsko-kraska Region
	11	Goriska Region
	12	Obalno-kraska Region
Spain	1	Andalusia
	2	Aragon
	3	Asturias
	4	Balearic Islands
	5	Basque Country
	6	Canary Islands
	7	Cantabria
	8	Castile and Leon
	9	Castile-La Mancha
	10	Catalonia
	11	Ceuta and Melilla
	12	Extremadura
	13	Galicia
	14	La Rioja
	15	Madrid
	16	Murcia
	17	Navarra
	18	Valencia
Sweden	1	No Immigrants
	2	Low Percentage of Immigrants
	3	Medium Percentage of Immigrants
	4	High Percentage of Immigrants
	5	Newly Opened Schools
Thailand	1	Grade 4 - Basic Education Commission
	2	Grade 4 - Private Education Commission
	3	Grade 4 - Department of Education - Bangkok Met. Administration
	4	Grade 4 - Department of Local Administration
	5	Grade 4 - Higher Education Commission
	11	Grades 4 & 8 - Basic Education Commission
	12	Grades 4 & 8 - Private Education Commission
	13	Grades 4 & 8 - Department of Education - Bangkok Met. Administration
	14	Grades 4 & 8 - Department of Local Administration
	15	Grades 4 & 8 - Higher Education Commission

Exhibit S4.1: TIMSS 2011 Explicit Stratification Information - Fourth Grade *(Continued)*

Country	Code	Label
Tunisia	1	Public - Central East
	2	Public - Central West
	3	Public - District of Tunis
	4	Public - Northeast
	5	Public - Northwest
	6	Public - Southeast
	7	Public - Southwest
	8	Private
Turkey	1	Grade 4 - Aegan
	2	Grade 4 - Black Sea
	3	Grade 4 - Central Anatolia
	4	Grade 4 - Eastern Anatolia
	5	Grade 4 - Marmara Region
	6	Grade 4 - Mediterranean
	7	Grade 4 - Southeast Anatolia
	8	Grades 4 & 8 - Aegan
	9	Grades 4 & 8 - Black Sea
	10	Grades 4 & 8 - Central Anatolia
	11	Grades 4 & 8 - Eastern Anatolia
	12	Grades 4 & 8 - Marmara Region
	13	Grades 4 & 8 - Mediterranean
	14	Grades 4 & 8 - Southeast Anatolia
United Arab Emirates	1	Grade 4 - Ajman
	2	Grade 4 - Fujairah
	3	Grade 4 - Ras Al Kaimah
	4	Grade 4 - Sharjah
	5	Grade 4 - Umm-Al Quwain
	11	Grades 4 & 8 - Ajman
	12	Grades 4 & 8 - Fujairah
	13	Grades 4 & 8 - Ras Al Kaimah
	14	Grades 4 & 8 - Sharjah
	15	Grades 4 & 8 - Umm-Al Quwain
	21	Grade 4 - Abu Dhabi
	22	Grade 4 - Al Ain
	23	Grade 4 - West Region
	27	Grades 4 & 8 - Abu Dhabi
	28	Grades 4 & 8 - Al Ain
	29	Grades 4 & 8 - West Region
	31	Grade 4 - Dubai
	33	Grades 4 & 8 - Dubai
United States	.A	Not Available
Yemen	1	Grade 4
	2	Grades 4 & 6 - Foundation Grades Initiative
	3	Grades 4 & 6 - No Foundation Grades Initiative - Female - Urban
	4	Grades 4 & 6 - No Foundation Grades Initiative - Female - Rural
	5	Grades 4 & 6 - No Foundation Grades Initiative - Male - Urban
	6	Grades 4 & 6 - No Foundation Grades Initiative - Male - Rural
	7	Grades 4 & 6 - No Foundation Grades Initiative - Mixed - Urban
	8	Grades 4 & 6 - No Foundation Grades Initiative - Mixed - Rural
	9	Grade 6
Alberta, Canada	1	Grade 4 - Large Schools
	2	Grade 4 - Small Schools
	3	Grades 4 & 8 - Large Schools
	4	Grades 4 & 8 - Small Schools
Ontario, Canada	1	Grade 4 - English
	2	Grade 4 - French
	5	Grades 4 & 8 - English
	6	Grades 4 & 8 - French

Exhibit S4.1: TIMSS 2011 Explicit Stratification Information - Fourth Grade *(Continued)*

Country	Code	Label
Quebec, Canada	1	Grade 4 - English
	2	Grade 4 - French
	7	Grades 4 & 8 - English
	8	Grades 4 & 8 - French

Exhibit S4.2: TIMSS 2011 Implicit Stratification Information - Fourth Grade

Country	Code	Label
Armenia	1	Aragatsotn
	2	Ararat
	3	Armavir
	4	Gegharquniq
	5	Kotayq
	6	Lori
	7	Shirak
	8	Syuniq
	9	Tavush
	10	Vayots Dzor
	11	Yerevan - Ajapnyak
	12	Yerevan - Arabkir
	13	Yerevan - Avan
	14	Yerevan - Davtashen
	15	Yerevan - Erebuni
	16	Yerevan - Malatia-Sebastia
	17	Yerevan - Nor Norq
	18	Yerevan - Norq-Marash
	19	Yerevan - Qanaqer-Zeytun
	20	Yerevan - Shengavit
	21	Yerevan - Yerevan Kentron
Australia	1	Metropolitan - Catholic
	2	Metropolitan - Government
	3	Metropolitan - Independent
	4	Provincial - Catholic
	5	Provincial - Government
	6	Provincial - Independent
	8	Remote - Government
Austria	.A	Not Available
Azerbaijan	1	Baku - Gymnasium & Lyceum
	2	Baku - Performance Level 9
	3	Baku - Performance Level 10
	4	Baku - Performance Level 11 (Highest)
	5	Baku Suburb - Basic & Elementary
	6	Baku Suburb - Performance Level 5
	7	Baku Suburb - Performance Level 7
	8	Baku Suburb - Performance Level 8
	9	Baku Suburb - Performance Level 9
	10	Baku Suburb - Performance Level 10
	11	Baku Suburb - Performance Level 11 (Highest)
	12	Refugee School - Basic & Elementary
	13	Refugee School - Performance Level 1 (Lowest)
	14	Refugee School - Performance Level 5
	15	Refugee School - Performance Level 6
	16	Refugee School - Performance Level 7
	17	Refugee School - Performance Level 8
	18	Refugee School - Performance Level 9
	19	Refugee School - Performance Level 11 (Highest)
	20	Regional Center School - Basic & Elementary
	21	Regional Center School - Gymnasium & Lyceum
	22	Regional Center School - Performance Level 3
	23	Regional Center School - Performance Level 4
	24	Regional Center School - Performance Level 5
	25	Regional Center School - Performance Level 6
	26	Regional Center School - Performance Level 7
	27	Regional Center School - Performance Level 8
	28	Regional Center School - Performance Level 9
	29	Regional Center School - Performance Level 10

Exhibit S4.2: TIMSS 2011 Implicit Stratification Information - Fourth Grade *(Continued)*

Country	Code	Label
Azerbaijan	30	Regional Center School - Performance Level 11 (Highest)
	31	Village School - Basic & Elementary
	32	Village School - Performance Level 2
	33	Village School - Performance Level 3
	34	Village School - Performance Level 4
	35	Village School - Performance Level 5
	36	Village School - Performance Level 6
	37	Village School - Performance Level 7
	38	Village School - Performance Level 8
	39	Village School - Performance Level 9
	40	Village School - Performance Level 10
	41	Village School - Performance Level 11 (Highest)
	42	Village School - Secondary School
Bahrain	1	Boys
	2	Girls
	3	Private
Belgium (Flemish)	1	Equal Opportunity Policy Level: First Quartile (Lowest)
	2	Equal Opportunity Policy Level: Second Quartile
	3	Equal Opportunity Policy Level: Third Quartile
	4	Equal Opportunity Policy Level: Fourth Quartile (Highest)
	5	Equal Opportunity Policy Level: Missing
Botswana	1	Low Performance
	2	Medium Performance
	3	High Performance
	4	Unknown Performance
Chile	1	Low Performance - Urban
	2	Low Performance - Rural
	3	Low to Medium Performance - Urban
	4	Low to Medium Performance - Rural
	5	Medium Performance - Urban
	6	Medium Performance - Rural
	7	Medium to High Performance - Urban
	8	Medium to High Performance - Rural
	9	High Performance - Urban
	10	High and Highest Performance - Urban
	11	Highest Performance - Urban
	12	Unknown Performance - Urban
Chinese Taipei	9	None
Croatia	1	Središnja Hrvatska
	2	Istocna Hrvatska
	3	Sjeverna Hrvatska
	4	Zapadna Hrvatska
	5	Južna Hrvatska
	6	Grad Zagreb
Czech Republic	.A	Not Available
Denmark	1	None
England	2	Low Performance - Primary School
	4	Low Performance - Junior School
	6	Low Performance - Middle School
	10	Low to Medium Performance - Primary School
	12	Low to Medium Performance - Junior School
	14	Low to Medium Performance - Middle School
	18	Medium Performance - Primary School
	20	Medium Performance - Junior School
	22	Medium Performance - Middle School
	26	Medium to High Performance - Primary School
	28	Medium to High Performance - Junior School
	30	Medium to High Performance - Middle School

Exhibit S4.2: TIMSS 2011 Implicit Stratification Information - Fourth Grade *(Continued)*

Country	Code	Label
England	34	High Performance - Primary School
	36	High Performance - Junior School
	38	High Performance - Middle School
	41	Unknown Performance - Primary School
	45	Unknown Performance - Independent School
	48	High Performance - Unknown School Type
	49	Unknown Performance - Unknown School Type
Finland	1	None
Georgia	1	Highlands - Public
	2	Town - Public
	3	Town - Private
	4	Village - Public
	5	Village - Private
Germany	.A	Not Available
Honduras	1	Municipal
	2	Official
	3	Urban
	4	Rural
	5	Semi-public
Hong Kong SAR	1	Boys
	2	Co-Educational
	3	Girls
Hungary	1	Dél-Alföld
	2	Dél-Dunántúl
	3	Közép-Dunántúl
	4	Közép-Magyarország
	5	Nyugat-Dunántúl
	6	Észak-Alföld
	7	Észak-Magyarország
Iran, Islamic Rep. of	1	Ardebil - Public - Boys
	2	Ardebil - Public - Girls
	3	Ardebil - Public - Mixed
	4	Bushehr - Public - Boys
	5	Bushehr - Public - Girls
	6	Chaharmahal & Bakhtiyari - Public - Boys
	7	Chaharmahal & Bakhtiyari - Public - Girls
	8	Chaharmahal & Bakhtiyari - Public - Mixed
	10	East Azerbaijan - Public - Boys
	11	East Azerbaijan - Public - Girls
	12	East Azerbaijan - Public - Mixed
	14	Esfehan - Public - Boys
	15	Esfehan - Public - Girls
	16	Esfehan - Public - Mixed
	17	Esfehan - Private - Boys
	18	Esfehan - Private - Girls
	19	Fars - Public - Boys
	20	Fars - Public - Girls
	21	Fars - Public - Mixed
	22	Fars - Private - Boys
	23	Gilan - Public - Boys
	24	Gilan - Public - Girls
	25	Gilan - Public - Mixed
	26	Gilan - Private - Boys
	27	Golestan - Public - Boys
	28	Golestan - Public - Girls
	29	Golestan - Public - Mixed
	30	Hamedan - Public - Boys
	31	Hamedan - Public - Girls

Exhibit S4.2: TIMSS 2011 Implicit Stratification Information - Fourth Grade *(Continued)*

Country	Code	Label
Iran, Islamic Rep. of	32	Hamedan - Public - Mixed
	33	Hamedan - Private - Boys
	34	Hormozgan - Public - Boys
	35	Hormozgan - Public - Girls
	36	Hormozgan - Public - Mixed
	37	Hormozgan - Private - Boys
	38	Ilam - Public - Boys
	40	Ilam - Public - Mixed
	41	Kerman - Public - Boys
	42	Kerman - Public - Girls
	43	Kerman - Public - Mixed
	44	Kerman - Private - Boys
	45	Kerman - Private - Girls
	46	Kermanshah - Public - Boys
	47	Kermanshah - Public - Girls
	48	Kermanshah - Public - Mixed
	49	Khorasan Razavi - Public - Boys
	50	Khorasan Razavi - Public - Girls
	51	Khorasan Razavi - Public - Mixed
	52	Khorasan Razavi - Private - Girls
	53	Khuzestan - Public - Boys
	54	Khuzestan - Public - Girls
	55	Khuzestan - Public - Mixed
	56	Khuzestan - Private - Boys
	58	Kohkiloyeh & Buyerahmad - Public - Girls
	59	Kohkiloyeh & Buyerahmad - Public - Mixed
	60	Kurdistan - Public - Boys
	61	Kurdistan - Public - Girls
	62	Kurdistan - Public - Mixed
	63	Lorestan - Public - Boys
	64	Lorestan - Public - Girls
	65	Lorestan - Public - Mixed
	66	Lorestan - Private - Boys
	67	Markazi - Public - Boys
	68	Markazi - Public - Girls
	69	Markazi - Public - Mixed
	70	Mazandaran - Public - Boys
	71	Mazandaran - Public - Girls
	72	Mazandaran - Public - Mixed
	73	Mazandaran - Private - Girls
	74	North Khorasan - Public - Boys
	75	North Khorasan - Public - Girls
	77	North Khorasan - Private - Boys
	78	Qazvin - Public - Boys
	79	Qazvin - Public - Girls
	80	Qazvin - Public - Mixed
	82	Qom - Public - Boys
	83	Qom - Public - Girls
	84	Semnan - Public - Boys
	86	Sistan & Baluchistan - Public - Boys
	87	Sistan & Baluchistan - Public - Girls
	88	Sistan & Baluchistan - Public - Mixed
	89	South Khorasan - Public - Boys
	91	South Khorasan - Public - Mixed
	93	Tehran City - Public - Boys
	94	Tehran City - Public - Girls
	95	Tehran City - Private - Boys
	96	Tehran City - Private - Girls

Exhibit S4.2: TIMSS 2011 Implicit Stratification Information - Fourth Grade *(Continued)*

Country	Code	Label
Iran, Islamic Rep. of	97	Tehran Province - Public - Boys
	98	Tehran Province - Public - Girls
	99	Tehran Province - Public - Mixed
	100	Tehran Province - Private - Boys
	102	West Azerbaijan - Public - Boys
	103	West Azerbaijan - Public - Girls
	104	West Azerbaijan - Public - Mixed
	105	Yazd - Public - Boys
	106	Yazd - Public - Girls
	107	Yazd - Public - Mixed
	109	Zanjan - Public - Boys
	110	Zanjan - Public - Girls
	111	Zanjan - Public - Mixed
Ireland	.A	Not Available
Italy	1	Public
	2	Private
Japan	1	None
Kazakhstan	1	High Performance
	3	Urban - High Performance - Bilingual - Secondary
	4	Urban - High Performance - Kazakh - Secondary
	5	Urban - High Performance - Russian - Secondary
	6	Urban - Low Performance - Bilingual - Secondary
	7	Urban - Medium Performance - Bilingual - Secondary
	8	Urban - Medium Performance - Kazakh - Secondary
	9	Urban - Medium Performance - Russian - Secondary
	10	Urban - Unknown Performance - Bilingual - Secondary
	11	Urban - Unknown Performance - Kazakh - Secondary
	12	Rural - High Performance - Bilingual - Secondary
	13	Rural - High Performance - Kazakh - Secondary
	14	Rural - High Performance - Russian - Secondary
	15	Rural - Low Performance - Kazakh - Secondary
	16	Rural - Medium Performance - Bilingual - Secondary
	17	Rural - Medium Performance - Kazakh - Secondary
	18	Rural - Medium Performance - Russian - Secondary
	19	Rural - Unknown Performance - Kazakh - Basic
	20	Rural - Unknown Performance - Russian - Basic
	21	Unknown Performance
Korea, Rep. of	1	Urban
	5	Suburb
	9	Rural
Kuwait	1	Boys
	2	Girls
Lithuania	1	Primary
	2	Primary & Kindergarden
	3	Basic
	4	Secondary
	5	Gymnasium
Malta	1	Church
	2	Independent
	3	State
Morocco	4	Rural - Ecole Autonome
	6	Rural
	7	Rural - Satellite
	8	Rural - Secteur Scolaire Centre
	12	Urban - Ecole Autonome
	16	Urban
	17	Urban - Satellite
	18	Urban - Secteur Scolaire Centre

Exhibit S4.2: TIMSS 2011 Implicit Stratification Information - Fourth Grade *(Continued)*

Country	Code	Label
Netherlands	1	Very High Urbanization (≥ 2500 per km2) - Small Schools
	2	Very High Urbanization (≥ 2500 per km2) - Large Schools
	3	High Urbanization (< 2500 per km2) - Small Schools
	4	High Urbanization (< 2500 per km2) - Large Schools
	5	Moderate Urbanization (< 1500 per km2) - Small Schools
	6	Moderate Urbanization (< 1500 per km2) - Large Schools
	7	Low Urbanization (< 1000 per km2) - Small Schools
	8	Low Urbanization (< 1000 per km2) - Large Schools
	9	Very Low Urbanization (< 500 per km2) - Small Schools
	10	Very Low Urbanization (< 500 per km2) - Large Schools
New Zealand	.A	Not Available
Northern Ireland	1	Deprivation - Low
	2	Deprivation - Low to Moderate
	3	Deprivation - Moderate
	4	Deprivation - Moderate to High
	5	Deprivation - High
Norway	1	Small Community
	2	Medium Community
	3	Large Community
	4	Very Large Community
Oman	1	Urban - Boys
	2	Urban - Girls
	3	Urban - Mixed
	4	Rural - Boys
	5	Rural - Girls
	6	Rural - Mixed
Poland	1	Dolnoslaskie
	2	Kujawsko-Pomorskie
	3	Lubelskie
	4	Lubuskie
	5	Lódzkie
	6	Malopolskie
	7	Mazowieckie
	8	Opolskie
	9	Podkarpackie
	10	Podlaskie
	11	Pomorskie
	12	Slaskie
	13	Swietokrzyskie
	14	Warminsko-Mazurski
	15	Wielkopolskie
	16	Zachodniopomorskie
Portugal	1	Alentejo
	2	Algarve
	3	Centro Interior
	4	Centro Litoral
	5	Grande Lisboa
	6	Grande Porto
	7	Lezíria do Tejo
	8	Norte Interior
	9	Norte Litoral
	10	Oeste
	11	Região Autónoma da Madeira
	12	Região Autónoma dos Açores
Qatar	1	Community - Boys
	2	Community - Girls
	3	Community - Mixed
	4	Independent - Boys

Exhibit S4.2: TIMSS 2011 Implicit Stratification Information - Fourth Grade *(Continued)*

Country	Code	Label
Qatar	5	Independent - Girls
	6	Private - Boys
	7	Private - Girls
	8	Private - Mixed
Romania	1	Rural - Central
	2	Rural - Northeast
	3	Rural - Northwest
	4	Rural - South
	5	Rural - Southeast
	6	Rural - Southwest
	7	Rural - West
	17	Urban - Central
	18	Urban - Northeast
	19	Urban - Northwest
	20	Urban - South
	21	Urban - Southeast
	22	Urban - Southwest
	23	Urban - West
Russian Federation	1	Rural
	2	Settlement
	3	City - Fewer than 50,000 Inhabitants
	4	City - 50,000 to 100,000 Inhabitants
	5	City - 100,000 to 450,000 Inhabitants
	6	City - 450,000 to 680,000 Inhabitants
	7	City - More than 680,000 Inhabitants
Saudi Arabia	1	Private - Center
	2	Private - East
	4	Private - South
	5	Private - West
	6	Public - Center
	7	Public - East
	8	Public - North
	9	Public - South
	10	Public - West
	12	Girls - East
	14	Boys - Center
	17	Boys - West
Serbia	1	Urban
	2	Main Department
	3	Rural
	4	Branch Department
Singapore	1	None
Slovak Republic	1	Public
	2	Church or Private
Slovenia	.A	Not Available
Spain	1	Public
	2	Private
Sweden	1	Grade 4
	2	Grades 4 & 8 - Unknown Performance
	3	Grades 4 & 8 - Low Performance
	4	Grades 4 & 8 - Low to Medium Performance
	5	Grades 4 & 8 - Medium Performance
	6	Grades 4 & 8 - Medium to High Performance
	7	Grades 4 & 8 - High Performance
	8	Grades 4 & 8 - Very High Performance

Exhibit S4.2: TIMSS 2011 Implicit Stratification Information - Fourth Grade *(Continued)*

Country	Code	Label
Thailand	1	Bangkok
	2	Southern
	3	Central
	4	Northeastern
	5	Northern
Tunisia	.A	Not Available
Turkey	1	Urban - Public
	2	Urban - Private
	3	Rural - Public
	4	Rural - Private
United Arab Emirates	1	Other - Arabic - Boys
	3	Public - Arabic - Boys
	4	Public - Arabic - Girls
	5	Private - Arabic - Boys
	6	Private - Arabic - Girls
	7	Private - Arabic - Mixed
	8	Private - English - Boys
	9	Private - English - Girls
	10	Private - English - Mixed
	23	Public - English - Boys
	24	Public - English - Girls
	29	Private - English & Arabic - Girls
	30	Private - English & Arabic - Mixed
	31	Arabic
	32	English
	33	English & Arabic
United States	.A	Not Available
Yemen	1	Public
	2	Private/National
Alberta, Canada		Other - No Immersion
	3	Public - Immersion
	4	Public - No Immersion
	5	Private - Immersion
Ontario, Canada	1	Catholic - Barrie Regional Office
	2	Catholic - London Regional Office
	3	Catholic - Ottawa Regional Office
	4	Catholic - Sudbury / North Bay Regional Office
	5	Catholic - Thunder Bay Regional Office
	6	Catholic - Toronto and Area Regional Office
	7	Public - Barrie Regional Office
	8	Public - London Regional Office
	9	Public - Ottawa Regional Office
	10	Public - Sudbury / North Bay Regional Office
	11	Public - Thunder Bay Regional Office
	12	Public - Toronto and Area Regional Office
	14	Private - Toronto and Area Regional Office
Quebec, Canada	1	Public
	2	Private

Exhibit S4.3: TIMSS 2011 Explicit Stratification Information - Eighth Grade

Country	Code	Label
Armenia	2	Grade 8
	3	Grades 4 & 8
Australia	1	Australian Capital Territory
	2	New South Wales
	3	Northern Territory
	4	Queensland
	5	South Australia
	6	Tasmania
	7	Victoria
	8	Western Australia
Bahrain	1	Public - Capital
	2	Public - Central
	3	Public - Muharraq
	4	Public - Northern
	5	Public - Southern
	6	Private
Botswana	1	Central
	4	North
	5	South
	6	South Central
	7	West
Chile	4	Grade 8 - Public Municipal
	5	Grade 8 - Private Subsidized
	6	Grade 8 - Private Paid
	7	Grades 4 & 8 - Public Municipal
	8	Grades 4 & 8 - Private Subsidized
	9	Grades 4 & 8 - Private Paid
Chinese Taipei	1	East
	2	Isolated Islands
	3	Middle
	4	North
	5	South
England	2	Year 9
	3	Year 5 & Year 9
Finland	1	Eastern Finland - Urban and Semi-urban
	2	Eastern Finland - Rural
	3	Northern Finland - Urban and Semi-urban
	4	Northern Finland - Rural
	5	Southern Finland - Urban and Semi-urban
	6	Southern Finland - Rural
	7	Swedish Speaking - Urban and Semi-urban
	8	Swedish Speaking - Rural
	9	Western Finland - Urban and Semi-urban
	10	Western Finland - Rural
Georgia	1	Grades 4 & 8 - Sida qarTli
	2	Grades 4 & 8 - Tbilisi
	3	Grades 4 & 8 - aWara
	4	Grades 4 & 8 - afxazeTi - Itolvilebi
	5	Grades 4 & 8 - guria
	6	Grades 4 & 8 - imereTi
	7	Grades 4 & 8 - kaxeTi
	8	Grades 4 & 8 - mcxeTa-mTianeTi
	9	Grades 4 & 8 - qvemo qarTli
	10	Grades 4 & 8 - raWa-leGxumi da qvemo svaneTi
	11	Grades 4 & 8 - samcxe-javaxeTi
	12	Grades 4 & 8 - samegrelo-zemo svaneTi
	14	Grade 8

Exhibit S4.3: TIMSS 2011 Explicit Stratification Information - Eighth Grade *(Continued)*

Country	Code	Label
Ghana	1	Public
	2	Private
Honduras	4	Grade 8 - Public - Urban
	5	Grade 8 - Public - Rural
	6	Grade 8 - Private
	7	Grades 4 & 8 - Public - Urban
	8	Grades 4 & 8 - Public - Rural
	9	Grades 4 & 8 - Private
Hong Kong SAR	1	Aided
	5	Direct Subsidy
	6	Government
Hungary	5	Grade 8 - County Seat
	6	Grade 8 - Capital
	7	Grade 8 - Rural Area
	8	Grade 8 - Town
	9	Grades 4 & 8 - Capital
	10	Grades 4 & 8 - County Seat
	11	Grades 4 & 8 - Rural Area
	12	Grades 4 & 8 - Town
Indonesia	1	Public - General
	2	Public - Islamic
	3	Private - General
	4	Private - Islamic
Iran, Islamic Rep. of	1	None
Israel	.A	Not Available
Italy	1	Center
	2	Northeast
	3	Northwest
	4	South
	5	South Islands
Japan	5	Public - Very Large City
	6	Public - Large City
	7	Public - Small City
	8	Public - Non City Areas
	9	Private or National
Jordan	.A	Not Available
Kazakhstan	2	Grade 8
	3	Grades 4 & 8 - Akmola
	4	Grades 4 & 8 - Aktobe
	5	Grades 4 & 8 - Almaty
	6	Grades 4 & 8 - Almaty City
	7	Grades 4 & 8 - Astana City
	8	Grades 4 & 8 - Atyrau
	9	Grades 4 & 8 - East Kazakhstan
	10	Grades 4 & 8 - Karagandy
	11	Grades 4 & 8 - Kostanay
	12	Grades 4 & 8 - Kyzylorda
	13	Grades 4 & 8 - Mangystau
	14	Grades 4 & 8 - North Kazakhstan
	15	Grades 4 & 8 - Pavlodar
	16	Grades 4 & 8 - South Kazakhstan
	17	Grades 4 & 8 - West Kazakhstan
	18	Grades 4 & 8 - Zhambyl
Korea, Rep. of	1	Cheju-do
	2	Chollabuk-do
	3	Chollanam-do
	4	Chungchongbuk-do
	5	Chungchongnam-do

Exhibit S4.3: TIMSS 2011 Explicit Stratification Information - Eighth Grade *(Continued)*

Country	Code	Label
Korea, Rep. of	6	Inchon
	7	Kangwon-do
	8	Kwangju
	9	Kyongsangbuk-do
	10	Kyongsangnam-do
	11	Kyunggi-do
	12	Pusan
	13	Seoul
	14	Taegu
	15	Taejon
	16	Ulsan
Lebanon	1	High Performance - Public
	2	High Performance - Private
	3	Low Performance
Lithuania	5	Grade 8 - Cities
	6	Grade 8 - Other Major Cities
	7	Grade 8 - Small Cities & Villages
	8	Grade 8 - Vilnius
	9	Grades 4 & 8 - Cities
	10	Grades 4 & 8 - Other Major Cities
	11	Grades 4 & 8 - Small Cities & Villages
	12	Grades 4 & 8 - Vilnius
Macedonia, Rep. of	1	Albanian
	2	Bilingual (33%-66% Macedonian)
	3	Bilingual (< 33% Macedonian)
	4	Bilingual (> 66% Macedonian)
	5	Macedonian
Malaysia	1	None
Morocco	1	Private
	2	Public - Region 1
	3	Public - Region 2
	4	Public - Region 3
	5	Public - Region 4
	6	Public - Region 5
	7	Public - Region 6
	8	Public - Region 7
	9	Public - Region 8
	10	Public - Region 9
	11	Public - Region 10
New Zealand	.A	Not Available
Norway	3	Grade 8 - Bokmål
	4	Grade 8 - Nynorsk or Other
	5	Grades 4 & 8 - Bokmål
	6	Grades 4 & 8 - Nynorsk or Other
Oman	4	Grade 8 - Public
	5	Grade 8 - Private
	6	Grades 4 & 8 - International
	7	Grades 4 & 8 - Public
	8	Grades 4 & 8 - Private
Palestinian Nat'l Auth.	1	Regular - Public - Boys
	2	Regular - Public - Girls
	3	Regular - Public - Co-educational
	4	Regular - UNRWA
	5	Regular - Private
	6	Pilot Schools
	7	Model Schools Network (MSN)
Qatar	2	Grade 8
	3	Grades 4 & 8

Exhibit S4.3: TIMSS 2011 Explicit Stratification Information - Eighth Grade *(Continued)*

Country	Code	Label
Romania	2	Grade 8
	3	Grades 4 & 8 - Unknown Performance
	4	Grades 4 & 8 - Low Performance
	5	Grades 4 & 8 - Medium Performance
	6	Grades 4 & 8 - High Performance
	7	Grades 4 & 8 - Very High Performance
Russian Federation	.A	Not Available
Saudi Arabia	6	Grade 8 - Ministry Schools - Girls
	7	Grade 8 - Ministry Schools - Boys
	8	Grade 8 - International Schools
Singapore	2	Grade 8
	3	Grades 4 & 8
Slovenia	1	Pomurska Region
	2	Podravska Region
	3	Koroska Region
	4	Savinjska Region
	5	Zasavska Region
	6	Spodnjeposavska Region
	7	Jugovzhodna Region
	8	Osrednjeslovenska Region
	9	Gorenjska Region
	10	Notranjsko-kraska Region
	11	Goriska Region
	12	Obalno-kraska Region
	13	Unknown Region
South Africa	1	Eastern Cape - Afrikaans
	2	Eastern Cape - Afrikaans and English
	3	Eastern Cape - English
	4	Free State - Afrikaans
	5	Free State - Afrikaans and English
	6	Free State - English
	7	Gauteng - Afrikaans
	8	Gauteng - Afrikaans and English
	9	Gauteng - English
	10	Independent
	11	Kwazulu Natal - Afrikaans
	12	Kwazulu Natal - Afrikaans and English
	13	Kwazulu Natal - English
	14	Limpopo - Afrikaans
	15	Limpopo - Afrikaans and English
	16	Limpopo - English
	17	Mpumalanga - Afrikaans
	18	Mpumalanga - Afrikaans and English
	19	Mpumalanga - English
	20	Northwest - Afrikaans
	21	Northwest - Afrikaans and English
	22	Northwest - English
	23	Nothern Cape - Afrikaans
	24	Nothern Cape - Afrikaans and English
	25	Nothern Cape - English
	26	Public and Dinaledi
	27	Western Cape - Afrikaans
	28	Western Cape - Afrikaans and English
	29	Western Cape - English

Exhibit S4.3: TIMSS 2011 Explicit Stratification Information - Eighth Grade *(Continued)*

Country	Code	Label
Sweden	1	No Immigrants
	2	Low Percentage of Immigrants
	3	Medium Percentage of Immigrants
	4	High Percentage of Immigrants
	5	Newly Opened Schools
Syrian Arab Republic	1	Boys
	2	Girls
	3	Mixed - Public
	4	Mixed - Private
Thailand	6	Grade 8 - Basic Education Commission
	7	Grade 8 - Private Education Commission
	8	Grade 8 - Department of Education - Bangkok Met. Administration
	9	Grade 8 - Department of Local Administration
	10	Grade 8 - Higher Education Commission
	11	Grades 4 & 8 - Basic Education Commission
	12	Grades 4 & 8 - Private Education Commission
	13	Grades 4 & 8 - Department of Education - Bangkok Met. Administration
	14	Grades 4 & 8 - Department of Local Administration
	15	Grades 4 & 8 - Higher Education Commission
Tunisia	1	Public - Central East
	2	Public - Central West
	3	Public - District of Tunis
	4	Public - Northeast
	5	Public - Northwest
	6	Public - Southeast
	7	Public - Southwest
	8	Private
Turkey	8	Grades 4 & 8 - Aegan
	9	Grades 4 & 8 - Black Sea
	10	Grades 4 & 8 - Central Anatolia
	11	Grades 4 & 8 - Eastern Anatolia
	12	Grades 4 & 8 - Marmara Region
	13	Grades 4 & 8 - Mediterranean
	14	Grades 4 & 8 - Southeast Anatolia
Ukraine	1	Grade 8 - Urban
	2	Grade 8 - Rural
	3	Grades 4 & 8 - Urban
	4	Grades 4 & 8 - Rural
United Arab Emirates	6	Grade 8 - Ajman
	7	Grade 8 - Fujairah
	8	Grade 8 - Ras Al Kaimah
	9	Grade 8 - Sharjah
	10	Grade 8 - Umm-Al Quwain
	11	Grades 4 & 8 - Ajman
	12	Grades 4 & 8 - Fujairah
	13	Grades 4 & 8 - Ras Al Kaimah
	14	Grades 4 & 8 - Sharjah
	15	Grades 4 & 8 - Umm-Al Quwain
	24	Grade 8 - Abu Dhabi
	25	Grade 8 - Al Ain
	26	Grade 8 - West Region
	27	Grades 4 & 8 - Abu Dhabi
	28	Grades 4 & 8 - Al Ain
	29	Grades 4 & 8 - West Region
	32	Grade 8 - Dubai
	33	Grades 4 & 8 - Dubai
United States	.A	Not Available

Exhibit S4.3: TIMSS 2011 Explicit Stratification Information - Eighth Grade *(Continued)*

Country	Code	Label
Alberta, Canada	3	Grades 4 & 8 - Large Schools
	4	Grades 4 & 8 - Small Schools
	5	Grade 8
Ontario, Canada	3	Grade 8 - English
	4	Grade 8 - French
	5	Grades 4 & 8 - English
	6	Grades 4 & 8 - French
Quebec, Canada	3	Grade 8 - English - Without Special Program
	4	Grade 8 - English - With Special Program
	5	Grade 8 - French - Without Special Program
	6	Grade 8 - French - With Special Program
	7	Grades 4 & 8 - English
	8	Grades 4 & 8 - French

Exhibit S4.4: TIMSS 2011 Implicit Stratification Information - Eighth Grade

Country	Code	Label
Armenia	1	Aragatsotn
	2	Ararat
	3	Armavir
	4	Gegharquniq
	5	Kotayq
	6	Lori
	7	Shirak
	8	Syuniq
	9	Tavush
	10	Vayots Dzor
	11	Yerevan - Ajapnyak
	12	Yerevan - Arabkir
	13	Yerevan - Avan
	14	Yerevan - Davtashen
	15	Yerevan - Erebuni
	16	Yerevan - Malatia-Sebastia
	17	Yerevan - Nor Norq
	18	Yerevan - Norq-Marash
	19	Yerevan - Qanaqer-Zeytun
	20	Yerevan - Shengavit
	21	Yerevan - Yerevan Kentron
Australia	1	Metropolitan - Catholic
	2	Metropolitan - Government
	3	Metropolitan - Independent
	4	Provincial - Catholic
	5	Provincial - Government
	6	Provincial - Independent
	7	Remote - Catholic
	8	Remote - Government
	9	Remote - Independent
Bahrain	1	Boys
	2	Girls
	3	Private
Botswana	1	Low Performance
	2	Medium Performance
	3	High Performance
	4	Unknown Performance
Chile	1	Low Performance - Urban
	2	Low Performance - Rural
	3	Low to Medium Performance - Urban
	4	Low to Medium Performance - Rural
	5	Medium Performance - Urban
	6	Medium Performance - Rural
	7	Medium to High Performance - Urban
	8	Medium to High Performance - Rural
	9	High Performance - Urban
	10	High and Highest Performance - Urban
	11	Highest Performance - Urban
	12	Unknown Performance - Urban
Chinese Taipei	1	Performance Group A
	2	Performance Group B
	3	Performance Group C
	4	Performance Group D
	5	Performance Group E
	6	Performance Group F
	7	Performance Group G
	8	Performance Group H

Exhibit S4.4: TIMSS 2011 Implicit Stratification Information - Eighth Grade *(Continued)*

Country	Code	Label
England	1	Low Performance - Comprehensive to 16
	3	Low Performance - Comprehensive to 18
	8	Low Performance - Other
	9	Low to Medium Performance - Comprehensive to 16
	11	Low to Medium Performance - Comprehensive to 18
	16	Low to Medium Performance - Other
	17	Medium Performance - Comprehensive to 16
	19	Medium Performance - Comprehensive to 18
	24	Medium Performance - Other
	25	Medium to High Performance - Comprehensive to 16
	27	Medium to High Performance - Comprehensive to 18
	32	Medium to High Performance - Other
	33	High Performance - Comprehensive to 16
	35	High Performance - Comprehensive to 18
	40	High Performance - Other
	44	Unknown Performance - Independent School
	47	Other
	48	High Performance - Unknown School Type
	49	Unknown Performance - Unknown School Type
Finland	1	None
Georgia	1	Highlands - Public
	2	Town - Public
	3	Town - Private
	4	Village - Public
	5	Village - Private
Ghana	1	Ashanti
	2	Brong Ahafo
	3	Central
	4	Eastern
	5	Greater Accra
	6	Northern
	7	Upper East
	8	Upper West
	9	Volta
	10	Western
Honduras	2	Official
	3	Urban
	4	Rural
	5	Semi-public
Hong Kong SAR	1	Boys
	2	Co-Educational
	3	Girls
Hungary	1	Dél-Alföld
	2	Dél-Dunántúl
	3	Közép-Dunántúl
	4	Közép-Magyarország
	5	Nyugat-Dunántúl
	6	Észak-Alföld
	7	Észak-Magyarország
Indonesia	1	High Performance
	2	Medium Performance
	3	Low Performance
Iran, Islamic Rep. of	1	Ardebil - Public - Boys
	2	Ardebil - Public - Girls
	4	Bushehr - Public - Boys
	6	Chaharmahal & Bakhtiyari - Public - Boys
	7	Chaharmahal & Bakhtiyari - Public - Girls
	9	Chaharmahal & Bakhtiyari - Private - Girls

Exhibit S4.4: TIMSS 2011 Implicit Stratification Information - Eighth Grade *(Continued)*

Country	Code	Label
Iran, Islamic Rep. of	10	East Azerbaijan - Public - Boys
	11	East Azerbaijan - Public - Girls
	12	East Azerbaijan - Public - Mixed
	13	East Azerbaijan - Private - Boys
	14	Esfehan - Public - Boys
	15	Esfehan - Public - Girls
	17	Esfehan - Private - Boys
	19	Fars - Public - Boys
	20	Fars - Public - Girls
	21	Fars - Public - Mixed
	23	Gilan - Public - Boys
	24	Gilan - Public - Girls
	27	Golestan - Public - Boys
	28	Golestan - Public - Girls
	29	Golestan - Public - Mixed
	30	Hamedan - Public - Boys
	31	Hamedan - Public - Girls
	34	Hormozgan - Public - Boys
	35	Hormozgan - Public - Girls
	37	Hormozgan - Private - Boys
	38	Ilam - Public - Boys
	39	Ilam - Public - Girls
	41	Kerman - Public - Boys
	42	Kerman - Public - Girls
	43	Kerman - Public - Mixed
	44	Kerman - Private - Boys
	46	Kermanshah - Public - Boys
	47	Kermanshah - Public - Girls
	48	Kermanshah - Public - Mixed
	49	Khorasan Razavi - Public - Boys
	50	Khorasan Razavi - Public - Girls
	51	Khorasan Razavi - Public - Mixed
	53	Khuzestan - Public - Boys
	54	Khuzestan - Public - Girls
	56	Khuzestan - Private - Boys
	57	Khuzestan - Private - Girls
	59	Kohkiloyeh & Buyerahmad - Public - Mixed
	60	Kurdistan - Public - Boys
	61	Kurdistan - Public - Girls
	62	Kurdistan - Public - Mixed
	63	Lorestan - Public - Boys
	64	Lorestan - Public - Girls
	65	Lorestan - Public - Mixed
	67	Markazi - Public - Boys
	68	Markazi - Public - Girls
	69	Markazi - Public - Mixed
	70	Mazandaran - Public - Boys
	71	Mazandaran - Public - Girls
	73	Mazandaran - Private - Girls
	74	North Khorasan - Public - Boys
	75	North Khorasan - Public - Girls
	76	North Khorasan - Public - Mixed
	78	Qazvin - Public - Boys
	79	Qazvin - Public - Girls
	81	Qazvin - Private - Boys
	82	Qom - Public - Boys
	83	Qom - Public - Girls
	85	Semnan - Public - Girls

Exhibit S4.4: TIMSS 2011 Implicit Stratification Information - Eighth Grade *(Continued)*

Country	Code	Label
Iran, Islamic Rep. of	86	Sistan & Baluchistan - Public - Boys
	87	Sistan & Baluchistan - Public - Girls
	89	South Khorasan - Public - Boys
	90	South Khorasan - Public - Girls
	92	South Khorasan - Private - Boys
	93	Tehran City - Public - Boys
	94	Tehran City - Public - Girls
	95	Tehran City - Private - Boys
	96	Tehran City - Private - Girls
	97	Tehran Province - Public - Boys
	98	Tehran Province - Public - Girls
	100	Tehran Province - Private - Boys
	101	Tehran Province - Private - Girls
	102	West Azerbaijan - Public - Boys
	103	West Azerbaijan - Public - Girls
	105	Yazd - Public - Boys
	106	Yazd - Public - Girls
	108	Yazd - Private - Boys
	109	Zanjan - Public - Boys
	110	Zanjan - Public - Girls
Israel	.A	Not Available
Italy	1	Public
	2	Private
Japan	1	None
Jordan	.A	Not Available
Kazakhstan	1	High Performance
	2	Medium Performance
	3	Urban - High Performance - Bilingual - Secondary
	4	Urban - High Performance - Kazakh - Secondary
	5	Urban - High Performance - Russian - Secondary
	6	Urban - Low Performance - Bilingual - Secondary
	7	Urban - Medium Performance - Bilingual - Secondary
	8	Urban - Medium Performance - Kazakh - Secondary
	9	Urban - Medium Performance - Russian - Secondary
	10	Urban - Unknown Performance - Bilingual - Secondary
	11	Urban - Unknown Performance - Kazakh - Secondary
	12	Rural - High Performance - Bilingual - Secondary
	13	Rural - High Performance - Kazakh - Secondary
	14	Rural - High Performance - Russian - Secondary
	15	Rural - Low Performance - Kazakh - Secondary
	16	Rural - Medium Performance - Bilingual - Secondary
	17	Rural - Medium Performance - Kazakh - Secondary
	18	Rural - Medium Performance - Russian - Secondary
	19	Rural - Unknown Performance - Kazakh - Basic
	20	Rural - Unknown Performance - Russian - Basic
Korea, Rep. of	2	Urban - Boys
	3	Urban - Girls
	4	Urban - Mixed
	6	Suburb - Boys
	7	Suburb - Girls
	8	Suburb - Mixed
	10	Rural - Boys
	11	Rural - Girls
	12	Rural - Mixed
Lebanon	1	Beirut
	2	Bekaa
	3	Mont Liban
	4	Mont Liban (Banlieue)

Exhibit S4.4: TIMSS 2011 Implicit Stratification Information - Eighth Grade *(Continued)*

Country	Code	Label
Lebanon	5	Nabayieh
	6	Nord
	7	Sud
Lithuania	3	Basic
	4	Secondary
	5	Gymnasium
	6	Youth
Macedonia, Rep. of	1	Urban
	2	Rural
Malaysia	1	Johor - Urban
	2	Johor - Rural
	3	Kedah - Urban
	4	Kedah - Rural
	5	Kelantan - Urban
	6	Kelantan - Rural
	7	Melaka - Urban
	8	Melaka - Rural
	9	Negeri Sembilan - Urban
	10	Negeri Sembilan - Rural
	11	Pahang - Urban
	12	Pahang - Rural
	13	Perak - Urban
	14	Perak - Rural
	15	Perlis - Urban
	16	Pulau Pinang - Urban
	17	Pulau Pinang - Rural
	18	Sabah - PED
	19	Sabah - Urban
	20	Sabah - Rural
	21	Sarawak - Urban
	22	Sarawak - Rural
	23	Selangor - Urban
	24	Selangor - Rural
	25	Terengganu - Urban
	26	Terengganu - Rural
	27	Wp Kuala Lumpur - Urban
	28	Wp Putrajaya - Urban
Morocco	1	Rural - Annexe Collège Enseignement Général
	2	Rural - Collège Enseignement Général
	3	Rural - Collège Enseignement Originel
	5	Rural - Lycée Enseignement Général
	9	Urban - Annexe Collège Enseignement Général
	10	Urban - Annexe Lycée Enseignement Général
	11	Urban - Collège Enseignement Général
	12	Urban - Ecole Autonome
	13	Urban - Lycée Enseignement Général
	14	Urban - Lycée Enseignement Originel
	15	Urban - Lycée Militaire
	16	Urban
New Zealand	.A	Not Available
Norway	1	Small Community
	2	Medium Community
	3	Large Community
	4	Very Large Community
Oman	1	Urban - Boys
	2	Urban - Girls
	3	Urban - Mixed
	4	Rural - Boys

Exhibit S4.4: TIMSS 2011 Implicit Stratification Information - Eighth Grade *(Continued)*

Country	Code	Label
Oman	5	Rural - Girls
	6	Rural - Mixed
Palestinian Nat'l Auth.	.A	Not Available
Qatar	1	Community - Boys
	2	Community - Girls
	3	Community - Mixed
	4	Independent - Boys
	5	Independent - Girls
	6	Private - Boys
	7	Private - Girls
	8	Private - Mixed
Romania	1	Rural - Central
	2	Rural - Northeast
	3	Rural - Northwest
	4	Rural - South
	5	Rural - Southeast
	6	Rural - Southwest
	7	Rural - West
	8	Low Performance - Rural
	9	Low Performance - Urban
	10	Medium Performance - Rural
	11	Medium Performance - Urban
	12	High Performance - Rural
	13	High Performance - Urban
	14	Very High Performance - Rural
	15	Very High Performance - Urban
	16	Unknown Performance - Urban
	17	Urban - Central
	18	Urban - Northeast
	19	Urban - Northwest
	20	Urban - South
	21	Urban - Southeast
	22	Urban - Southwest
	23	Urban - West
Russian Federation	1	Rural
	2	Settlement
	3	City - Fewer than 50,000 Inhabitants
	4	City - 50,000 to 100,000 Inhabitants
	5	City - 100,000 to 450,000 Inhabitants
	6	City - 450,000 to 680,000 Inhabitants
	7	City - More than 680,000 Inhabitants
Saudi Arabia	1	Private - Center
	2	Private - East
	3	Private - North
	4	Private - South
	5	Private - West
	6	Public - Center
	7	Public - East
	8	Public - North
	9	Public - South
	10	Public - West
	11	Girls - Center
	14	Boys - Center
	17	Boys - West
Singapore	1	None
Slovenia	.A	Not Available
South Africa	.A	Not Available

Exhibit S4.4: TIMSS 2011 Implicit Stratification Information - Eighth Grade *(Continued)*

Country	Code	Label
Sweden	2	Grades 4 & 8 - Unknown Performance
	3	Grades 4 & 8 - Low Performance
	4	Grades 4 & 8 - Low to Medium Performance
	5	Grades 4 & 8 - Medium Performance
	6	Grades 4 & 8 - Medium to High Performance
	7	Grades 4 & 8 - High Performance
	8	Grades 4 & 8 - Very High Performance
	9	Grade 8 - Unknown Performance
	10	Grade 8 - Low Performance
	11	Grade 8 - Low to Medium Performance
	12	Grade 8 - Medium Performance
	13	Grade 8 - Medium to High Performance
	14	Grade 8 - High Performance
	15	Grade 8 - Very High Performance
Syrian Arab Republic	1	Adlep
	2	Aleppo
	3	Alhaska
	4	Alqunaytra
	5	Alraqa
	6	Alsweida
	7	Damascus
	8	Dara
	9	Deer Alzour
	10	Hama
	11	Homs
	12	Lattakia
	13	Rural Of Damascus
	14	Tartous
Thailand	1	Bangkok
	2	Southern
	3	Central
	4	Northeastern
	5	Northern
Tunisia	.A	Not Available
Turkey	1	Urban - Public
	2	Urban - Private
	3	Rural - Public
	4	Rural - Private
Ukraine	1	School Stages I to II - Cherkasi
	2	School Stages I to II - Dnipropetrovsk
	3	School Stages I to II - Doneck
	4	School Stages I to II - Ivano-Frankivsk
	5	School Stages I to II - Khmelnytskyi
	6	School Stages I to II - Kyiv District
	7	School Stages I to II - Lugansk
	8	School Stages I to II - Lviv
	9	School Stages I to II - Mykolaiv
	10	School Stages I to II - Poltava
	11	School Stages I to II - Rivne
	12	School Stages I to II - Ternopil
	13	School Stages I to II - Uzhgorod
	14	School Stages I to II - Vinnytsa
	15	School Stages I to II - Zhitomyr
	16	School Stages I to III - Cherkasi
	17	School Stages I to III - Chernigiv
	18	School Stages I to III - Chernivtsi
	19	School Stages I to III - Crimea
	20	School Stages I to III - Dnipropetrovsk

Exhibit S4.4: TIMSS 2011 Implicit Stratification Information - Eighth Grade *(Continued)*

Country	Code	Label
Ukraine	21	School Stages I to III - Doneck
	22	School Stages I to III - Ivano-Frankivsk
	23	School Stages I to III - Kharkiv
	24	School Stages I to III - Kherson
	25	School Stages I to III - Khmelnytskyi
	26	School Stages I to III - Kirovograd
	27	School Stages I to III - Kyiv
	28	School Stages I to III - Kyiv District
	29	School Stages I to III - Lugansk
	30	School Stages I to III - Lutsk
	31	School Stages I to III - Lviv
	32	School Stages I to III - Mykolaiv
	33	School Stages I to III - Odesa
	34	School Stages I to III - Poltava
	35	School Stages I to III - Rivne
	36	School Stages I to III - Sebastopol
	37	School Stages I to III - Sumi
	38	School Stages I to III - Ternopil
	39	School Stages I to III - Uzhgorod
	40	School Stages I to III - Vinnytsa
	41	School Stages I to III - Zaporijja
	42	School Stages I to III - Zhitomyr
	43	School Stages II to III - Mykolaiv
United Arab Emirates	1	Other - Arabic - Boys
	2	Other - Arabic - Girls
	3	Public - Arabic - Boys
	4	Public - Arabic - Girls
	5	Private - Arabic - Boys
	6	Private - Arabic - Girls
	7	Private - Arabic - Mixed
	8	Private - English - Boys
	9	Private - English - Girls
	10	Private - English - Mixed
	28	Private - English & Arabic - Boys
	29	Private - English & Arabic - Girls
	30	Private - English & Arabic - Mixed
	31	Arabic
	32	English
	33	English & Arabic
United States	.A	Not Available
Alberta, Canada	1	Other - Immersion
	2	Other - No Immersion
	3	Public - Immersion
	4	Public - No Immersion
	5	Private - Immersion
	6	Private - No Immersion

Exhibit S4.4: TIMSS 2011 Implicit Stratification Information - Eighth Grade *(Continued)*

Country	Code	Label
Ontario, Canada	1	Catholic - Barrie Regional Office
	2	Catholic - London Regional Office
	3	Catholic - Ottawa Regional Office
	4	Catholic - Sudbury / North Bay Regional Office
	5	Catholic - Thunder Bay Regional Office
	6	Catholic - Toronto and Area Regional Office
	7	Public - Barrie Regional Office
	8	Public - London Regional Office
	9	Public - Ottawa Regional Office
	10	Public - Sudbury / North Bay Regional Office
	11	Public - Thunder Bay Regional Office
	12	Public - Toronto and Area Regional Office
	14	Private - Toronto and Area Regional Office
Quebec, Canada	1	Public
	2	Private

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