

TRENDS IN INTERNATIONAL MATHEMATICS AND SCIENCE STUDY

# TIMSS



## TIMSS 2007 User Guide for the International Database

# Supplement 4

TIMSS 2007 Sampling  
Stratification Information



**TIMSS & PIRLS**  
International Study Center  
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TIMSS 2007 User Guide for the International Database

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# Supplement 4

## ***TIMSS 2007 Sampling Stratification Information***

### **Overview**

This supplement contains documentation on the explicit and implicit stratification variables included in the TIMSS 2007 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 2007 sample design and implementation are available in the TIMSS 2007 Technical Report.

### **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 Exhibit S4.1 for the fourth grade and Exhibit S4.2 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.

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 sampled school's status may occur.



**Exhibit S4.1: TIMSS 2007 Sampling Stratification Information - Fourth Grade**

<b>Countries</b>	<b>Explicit Strata (IDSTRATE)</b>		<b>Implicit Strata (ISTRATI)</b>	
	<b>Codes</b>	<b>Labels</b>	<b>Codes</b>	<b>Labels</b>
Algeria	1	None	1	Adrar
	1	None	2	Ain Delfa
	1	None	3	Ain Témouchent
	1	None	4	Alger
	1	None	5	Annaba
	1	None	6	Batna
	1	None	7	Béchoû
	1	None	8	Bédjaïa
	1	None	9	Biskra
	1	None	10	Blida
	1	None	11	Bouira
	1	None	12	Boumerdès
	1	None	13	Chlef
	1	None	14	Constantine
	1	None	15	Djelfa
	1	None	16	El Bayadh
	1	None	17	El Oued
	1	None	18	Ghardaïa
	1	None	19	Guelma
	1	None	20	Jijel
	1	None	21	Khenchela
	1	None	22	Laghouat
	1	None	23	Llizi
	1	None	24	Lordj Lou Arri
	1	None	25	Mascara
	1	None	26	Médéa
	1	None	27	Mila
	1	None	28	Mostaganem
	1	None	29	M'Sila
	1	None	30	Naâma
	1	None	31	Oran
	1	None	32	Ouargla
	1	None	33	Oum Bonagui
	1	None	34	Relizane
	1	None	35	Saida
	1	None	36	Sétif
	1	None	37	Sidi Bel Abbès
	1	None	38	Skikda
	1	None	39	Souk Ahras
	1	None	40	Tamanrasset
	1	None	41	Tarf
	1	None	42	Tébessa
	1	None	43	Tiaret
	1	None	44	Tindouf
	1	None	45	Tipaza
	1	None	46	Tissemssilt

**Exhibit S4.1: TIMSS 2007 Sampling Stratification Information - Fourth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Algeria	1	None	47	Tizi Ouzou
	1	None	48	Tlemcen
Armenia	1	None	1	Aragatsotn
	1	None	2	Ararat
	1	None	3	Armavir
	1	None	4	Gegharkunik
	1	None	5	Kotayk
	1	None	6	Lori
	1	None	7	Shirak
	1	None	8	Syunik
	1	None	9	Tavush
	1	None	10	Vayots Dzor
	1	None	11	Yerevan
Australia	1	Australian Capital Territory	.A	Not Available
	2	New South Wales	.A	Not Available
	3	Northern Territory	.A	Not Available
	4	Queensland	.A	Not Available
	5	South Australia	.A	Not Available
	6	Tasmania	.A	Not Available
	7	Victoria	.A	Not Available
	8	Western Australia	.A	Not Available
Austria	.A	Not Available	.A	Not Available
Chinese Taipei	1	North	1	None
	2	Middle	1	None
	3	South	1	None
	4	East	1	None
	5	Remote Islands	1	None
Colombia	1	Grade 4	1	School Calendar A - Public - Rural
	1	Grade 4	2	School Calendar A - Public - Urban
	1	Grade 4	3	School Calendar A - Private - Rural
	1	Grade 4	4	School Calendar A - Private - Urban
	1	Grade 4	5	School Calendar B - Public - Rural
	1	Grade 4	6	School Calendar B - Public - Urban
	1	Grade 4	7	School Calendar B - Private - Rural
	1	Grade 4	8	School Calendar B - Private - Urban
	3	Grade 4 & Grade 8	1	School Calendar A - Public - Rural
	3	Grade 4 & Grade 8	2	School Calendar A - Public - Urban
	3	Grade 4 & Grade 8	3	School Calendar A - Private - Rural
	3	Grade 4 & Grade 8	4	School Calendar A - Private - Urban
	3	Grade 4 & Grade 8	5	School Calendar B - Public - Rural
	3	Grade 4 & Grade 8	6	School Calendar B - Public - Urban
	3	Grade 4 & Grade 8	7	School Calendar B - Private - Rural
	3	Grade 4 & Grade 8	8	School Calendar B - Private - Urban
Czech Republic	1	Grade 4 - Primary School	1	Praha
	1	Grade 4 - Primary School	2	Středočeský
	1	Grade 4 - Primary School	3	Plzeň

**Exhibit S4.1: TIMSS 2007 Sampling Stratification Information - Fourth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Czech Republic	1	Grade 4 - Primary School	4	Karlovy Vary
	1	Grade 4 - Primary School	5	Ústí nad Labem
	1	Grade 4 - Primary School	6	Jihočeský
	1	Grade 4 - Primary School	7	Liberec
	1	Grade 4 - Primary School	8	Hradec Králové
	1	Grade 4 - Primary School	9	Pardubice
	1	Grade 4 - Primary School	10	Vysočina
	1	Grade 4 - Primary School	11	Jihomoravský
	1	Grade 4 - Primary School	12	Olomouc
	1	Grade 4 - Primary School	13	Moravskoslezský
	1	Grade 4 - Primary School	14	Zlín
	2	Grade 4 - Basic School	1	Praha
	2	Grade 4 - Basic School	2	Středočeský
	2	Grade 4 - Basic School	3	Plzeň
	2	Grade 4 - Basic School	4	Karlovy Vary
	2	Grade 4 - Basic School	5	Ústí nad Labem
	2	Grade 4 - Basic School	6	Jihočeský
	2	Grade 4 - Basic School	7	Liberec
	2	Grade 4 - Basic School	8	Hradec Králové
	2	Grade 4 - Basic School	9	Pardubice
	2	Grade 4 - Basic School	10	Vysočina
	2	Grade 4 - Basic School	11	Jihomoravský
	2	Grade 4 - Basic School	12	Olomouc
	2	Grade 4 - Basic School	13	Moravskoslezský
	5	Grade 4 & Grade 8 - Basic School	1	Praha
	5	Grade 4 & Grade 8 - Basic School	2	Středočeský
	5	Grade 4 & Grade 8 - Basic School	3	Plzeň
	5	Grade 4 & Grade 8 - Basic School	4	Karlovy Vary
	5	Grade 4 & Grade 8 - Basic School	5	Ústí nad Labem
	5	Grade 4 & Grade 8 - Basic School	6	Jihočeský
	5	Grade 4 & Grade 8 - Basic School	7	Liberec
	5	Grade 4 & Grade 8 - Basic School	8	Hradec Králové
	5	Grade 4 & Grade 8 - Basic School	9	Pardubice
	5	Grade 4 & Grade 8 - Basic School	10	Vysočina
	5	Grade 4 & Grade 8 - Basic School	11	Jihomoravský
	5	Grade 4 & Grade 8 - Basic School	12	Olomouc
	5	Grade 4 & Grade 8 - Basic School	13	Moravskoslezský
	5	Grade 4 & Grade 8 - Basic School	14	Zlín
Denmark	1	None	1	None
El Salvador	1	Grade 4 - Urban	1	Private
	1	Grade 4 - Urban	2	Public
	2	Grade 4 -Rural	17	Community Based (ACE )
	2	Grade 4 -Rural	18	Council Based (CDE) - Ahuachapán
	2	Grade 4 -Rural	32	Other
	4	Grade 4 & Grade 8 - Urban	1	Private
	4	Grade 4 & Grade 8 - Urban	3	Public - Ahuachapán

**Exhibit S4.1: TIMSS 2007 Sampling Stratification Information - Fourth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
El Salvador	4	Grade 4 & Grade 8 - Urban	4	Public - Cabañas
	4	Grade 4 & Grade 8 - Urban	5	Public - Chalatenango
	4	Grade 4 & Grade 8 - Urban	6	Public - Cuscatlán
	4	Grade 4 & Grade 8 - Urban	7	Public - La Libertad
	4	Grade 4 & Grade 8 - Urban	8	Public - La Paz
	4	Grade 4 & Grade 8 - Urban	9	Public - La Unión
	4	Grade 4 & Grade 8 - Urban	10	Public - Morazán
	4	Grade 4 & Grade 8 - Urban	11	Public - San Miguel
	4	Grade 4 & Grade 8 - Urban	12	Public - San Salvador
	4	Grade 4 & Grade 8 - Urban	13	Public - San Vicente
	4	Grade 4 & Grade 8 - Urban	14	Public - Santa Ana
	4	Grade 4 & Grade 8 - Urban	15	Public - Sonsonate
	4	Grade 4 & Grade 8 - Urban	16	Public - Usulután
	5	Grade 4 & Grade 8 - Rural	17	Community Based (ACE )
	5	Grade 4 & Grade 8 - Rural	18	Council Based (CDE) - Ahuachapán
	5	Grade 4 & Grade 8 - Rural	19	Council Based (CDE) - Cabañas
	5	Grade 4 & Grade 8 - Rural	20	Council Based (CDE) - Chalatenango
	5	Grade 4 & Grade 8 - Rural	21	Council Based (CDE) - Cuscatlán
	5	Grade 4 & Grade 8 - Rural	22	Council Based (CDE) - La Libertad
	5	Grade 4 & Grade 8 - Rural	23	Council Based (CDE) - La Paz
	5	Grade 4 & Grade 8 - Rural	24	Council Based (CDE) - La Unión
	5	Grade 4 & Grade 8 - Rural	25	Council Based (CDE) - Morazán
	5	Grade 4 & Grade 8 - Rural	26	Council Based (CDE) - San Miguel
	5	Grade 4 & Grade 8 - Rural	27	Council Based (CDE) - San Salvador
	5	Grade 4 & Grade 8 - Rural	28	Council Based (CDE) - San Vicente
	5	Grade 4 & Grade 8 - Rural	29	Council Based (CDE) - Santa Ana
	5	Grade 4 & Grade 8 - Rural	30	Council Based (CDE) - Sonsonate
	5	Grade 4 & Grade 8 - Rural	31	Council Based (CDE) - Usulután
	5	Grade 4 & Grade 8 - Rural	32	Other
England	1	Grade 4	1	Low Performance - Primary/Combined
	1	Grade 4	2	Low Performance - Junior
	1	Grade 4	3	Low Performance - Middle
	1	Grade 4	4	Low Performance - Independent
	1	Grade 4	5	Low/Mid Performance - Primary/Combined
	1	Grade 4	6	Low/Mid Performance - Junior
	1	Grade 4	7	Low/Mid Performance - Middle
	1	Grade 4	8	Low/Mid Performance - Independent
	1	Grade 4	9	Middle Performance - Primary/Combined
	1	Grade 4	10	Middle Performance - Junior
	1	Grade 4	11	Middle Performance - Middle
	1	Grade 4	12	Middle Performance - Independent
	1	Grade 4	13	Mid/High Performance - Primary/Combined
	1	Grade 4	14	Mid/High Performance - Junior
	1	Grade 4	15	Mid/High Performance - Middle
	1	Grade 4	16	Mid/High Performance - Independent
	1	Grade 4	17	High Performance - Primary/Combined

**Exhibit S4.1: TIMSS 2007 Sampling Stratification Information - Fourth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
England	1	Grade 4	18	High Performance - Junior
	1	Grade 4	19	High Performance - Middle
	1	Grade 4	20	High Performance - Independent
	1	Grade 4	21	Unknown Performance - Primary/Combined
	1	Grade 4	22	Unknown Performance - Junior
	1	Grade 4	23	Unknown Performance - Middle
	1	Grade 4	24	Unknown Performance - Independent
	3	Grade 4 & Grade 8	25	None
Georgia	1	Kvemo Kartli	1	Urban
	1	Kvemo Kartli	2	Rural
	2	Adjara	1	Urban
	2	Adjara	2	Rural
	3	Apxazeti	1	Urban
	3	Apxazeti	2	Rural
	4	Guria	1	Urban
	4	Guria	2	Rural
	5	Imereti	1	Urban
	5	Imereti	2	Rural
	6	Kaxeti	1	Urban
	6	Kaxeti	2	Rural
	7	Mckheta-Mtianeti	1	Urban
	7	Mckheta-Mtianeti	2	Rural
	8	Racha-Lechkhumi	1	Urban
	8	Racha-Lechkhumi	2	Rural
	9	Samckhe-Javakheti	1	Urban
	9	Samckhe-Javakheti	2	Rural
	10	Shida Kartli	1	Urban
	10	Shida Kartli	2	Rural
	11	Tbilisi	1	Urban
	12	Samegrelo	1	Urban
	12	Samegrelo	2	Rural
Germany	.A	Not Available	.A	Not Available
Hong Kong SAR	1	Aided	1	Morning - Boys
	1	Aided	2	Morning - Co-educational
	1	Aided	3	Morning - Girls
	1	Aided	4	Afternoon - Boys
	1	Aided	5	Afternoon - Co-educational
	1	Aided	6	Afternoon - Girls
	1	Aided	7	Whole Day - Boys
	1	Aided	8	Whole Day - Co-educational
	1	Aided	9	Whole Day - Girls
	2	Direct Subsidy Scheme	7	Whole Day - Boys
	2	Direct Subsidy Scheme	8	Whole Day - Co-educational
	3	Government	2	Morning - Co-educational
	3	Government	5	Afternoon - Co-educational
	3	Government	8	Whole Day - Co-educational

**Exhibit S4.1: TIMSS 2007 Sampling Stratification Information - Fourth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Hong Kong SAR	4	Private	1	Morning - Boys
	4	Private	2	Morning - Co-educational
	4	Private	3	Morning - Girls
	4	Private	6	Afternoon - Girls
	4	Private	7	Whole Day - Boys
	4	Private	8	Whole Day - Co-educational
	4	Private	9	Whole Day - Girls
Hungary	1	Grade 4	1	Dél-Alföld
	1	Grade 4	2	Dél-Dunántúl
	1	Grade 4	3	Közép-Dunántúl
	1	Grade 4	4	Közép-Magyarország
	1	Grade 4	5	Nyugat-Dunántúl
	1	Grade 4	6	Észak-Alföld
	1	Grade 4	7	Észak-Magyarország
	3	Grade 4 & Grade 8 - Capital	4	Közép-Magyarország
	4	Grade 4 & Grade 8 - County Town	1	Dél-Alföld
	4	Grade 4 & Grade 8 - County Town	2	Dél-Dunántúl
	4	Grade 4 & Grade 8 - County Town	3	Közép-Dunántúl
	4	Grade 4 & Grade 8 - County Town	5	Nyugat-Dunántúl
	4	Grade 4 & Grade 8 - County Town	6	Észak-Alföld
	4	Grade 4 & Grade 8 - County Town	7	Észak-Magyarország
	5	Grade 4 & Grade 8 - Town	1	Dél-Alföld
	5	Grade 4 & Grade 8 - Town	2	Dél-Dunántúl
	5	Grade 4 & Grade 8 - Town	3	Közép-Dunántúl
	5	Grade 4 & Grade 8 - Town	4	Közép-Magyarország
	5	Grade 4 & Grade 8 - Town	5	Nyugat-Dunántúl
	5	Grade 4 & Grade 8 - Town	6	Észak-Alföld
	5	Grade 4 & Grade 8 - Town	7	Észak-Magyarország
	6	Grade 4 & Grade 8 - Rural	1	Dél-Alföld
	6	Grade 4 & Grade 8 - Rural	2	Dél-Dunántúl
	6	Grade 4 & Grade 8 - Rural	3	Közép-Dunántúl
	6	Grade 4 & Grade 8 - Rural	4	Közép-Magyarország
	6	Grade 4 & Grade 8 - Rural	5	Nyugat-Dunántúl
	6	Grade 4 & Grade 8 - Rural	6	Észak-Alföld
	6	Grade 4 & Grade 8 - Rural	7	Észak-Magyarország
Iran, Islamic Rep. of	1	Public - Boys	1	East Azarbaijan
	1	Public - Boys	2	West Azarbaijan
	1	Public - Boys	3	Ardabil
	1	Public - Boys	4	Esfahan
	1	Public - Boys	5	Ilam
	1	Public - Boys	6	Busher
	1	Public - Boys	7	Chahar Mahal & Bakhti
	1	Public - Boys	8	Khorasan
	1	Public - Boys	9	Khuzestan
	1	Public - Boys	10	Zanjan
	1	Public - Boys	11	Semnan

**Exhibit S4.1: TIMSS 2007 Sampling Stratification Information - Fourth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Iran, Islamic Rep. of	1	Public - Boys	12	Sistan & Baluchistan
	1	Public - Boys	13	Tehran City
	1	Public - Boys	14	Tehran Province
	1	Public - Boys	15	Fars
	1	Public - Boys	16	Qazvin
	1	Public - Boys	17	Qom
	1	Public - Boys	18	Kurdistan
	1	Public - Boys	19	Kerman
	1	Public - Boys	20	Kermanshah
	1	Public - Boys	21	Kohkiluyeh & Buyer Ah
	1	Public - Boys	22	Golestan
	1	Public - Boys	23	Gilan
	1	Public - Boys	24	Lorestan
	1	Public - Boys	25	Mazandaran
	1	Public - Boys	26	Markazi
	1	Public - Boys	27	Hormozgan
	1	Public - Boys	28	Hamadan
	1	Public - Boys	29	Yazd
	2	Public - Girls	1	East Azarbaijan
	2	Public - Girls	2	West Azarbaijan
	2	Public - Girls	3	Ardabil
	2	Public - Girls	4	Esfahan
	2	Public - Girls	5	Ilam
	2	Public - Girls	6	Busher
	2	Public - Girls	7	Chahar Mahal & Bakhti
	2	Public - Girls	8	Khorasan
	2	Public - Girls	9	Khuzestan
	2	Public - Girls	10	Zanjan
	2	Public - Girls	11	Semnan
	2	Public - Girls	12	Sistan & Baluchistan
	2	Public - Girls	13	Tehran City
	2	Public - Girls	14	Tehran Province
	2	Public - Girls	15	Fars
	2	Public - Girls	16	Qazvin
	2	Public - Girls	17	Qom
	2	Public - Girls	18	Kurdistan
	2	Public - Girls	19	Kerman
	2	Public - Girls	20	Kermanshah
	2	Public - Girls	21	Kohkiluyeh & Buyer Ah
	2	Public - Girls	22	Golestan
	2	Public - Girls	23	Gilan
	2	Public - Girls	24	Lorestan
	2	Public - Girls	25	Mazandaran
	2	Public - Girls	26	Markazi
	2	Public - Girls	27	Hormozgan
	2	Public - Girls	28	Hamadan



**Exhibit S4.1: TIMSS 2007 Sampling Stratification Information - Fourth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Iran, Islamic Rep. of	2	Public - Girls	29	Yazd
	3	Public - Mixed	1	East Azarbaijan
	3	Public - Mixed	2	West Azarbaijan
	3	Public - Mixed	3	Ardabil
	3	Public - Mixed	4	Esfahan
	3	Public - Mixed	5	Ilam
	3	Public - Mixed	6	Busher
	3	Public - Mixed	7	Chahar Mahal & Bakhti
	3	Public - Mixed	8	Khorasan
	3	Public - Mixed	9	Khuzestan
	3	Public - Mixed	10	Zanjan
	3	Public - Mixed	11	Semnan
	3	Public - Mixed	12	Sistan & Baluchistan
	3	Public - Mixed	13	Tehran City
	3	Public - Mixed	14	Tehran Province
	3	Public - Mixed	15	Fars
	3	Public - Mixed	16	Qazvin
	3	Public - Mixed	17	Qom
	3	Public - Mixed	18	Kurdistan
	3	Public - Mixed	19	Kerman
	3	Public - Mixed	20	Kermanshah
	3	Public - Mixed	21	Kohkiluyeh & Buyer Ah
	3	Public - Mixed	22	Golestan
	3	Public - Mixed	23	Gilan
	3	Public - Mixed	24	Lorestan
	3	Public - Mixed	25	Mazandaran
	3	Public - Mixed	26	Markazi
	3	Public - Mixed	27	Hormozgan
	3	Public - Mixed	28	Hamadan
	3	Public - Mixed	29	Yazd
	4	Private - Boys	1	East Azarbaijan
	4	Private - Boys	2	West Azarbaijan
	4	Private - Boys	3	Ardabil
	4	Private - Boys	4	Esfahan
	4	Private - Boys	5	Ilam
	4	Private - Boys	6	Busher
	4	Private - Boys	7	Chahar Mahal & Bakhti
	4	Private - Boys	8	Khorasan
	4	Private - Boys	9	Khuzestan
	4	Private - Boys	10	Zanjan
	4	Private - Boys	11	Semnan
	4	Private - Boys	12	Sistan & Baluchistan
	4	Private - Boys	13	Tehran City
	4	Private - Boys	14	Tehran Province
	4	Private - Boys	15	Fars
	4	Private - Boys	16	Qazvin

**Exhibit S4.1: TIMSS 2007 Sampling Stratification Information - Fourth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Iran, Islamic Rep. of	4	Private - Boys	17	Qom
	4	Private - Boys	18	Kurdistan
	4	Private - Boys	19	Kerman
	4	Private - Boys	20	Kermanshah
	4	Private - Boys	21	Kohkiluyeh & Buyer Ah
	4	Private - Boys	22	Golestan
	4	Private - Boys	23	Gilan
	4	Private - Boys	24	Lorestan
	4	Private - Boys	25	Mazandaran
	4	Private - Boys	26	Markazi
	4	Private - Boys	27	Hormozgan
	4	Private - Boys	28	Hamadan
	4	Private - Boys	29	Yazd
	5	Private - Girls	1	East Azarbaijan
	5	Private - Girls	2	West Azarbaijan
	5	Private - Girls	3	Ardabil
	5	Private - Girls	4	Esfahan
	5	Private - Girls	5	Ilam
	5	Private - Girls	6	Busher
	5	Private - Girls	7	Chahar Mahal & Bakhti
	5	Private - Girls	8	Khorasan
	5	Private - Girls	9	Khuzestan
	5	Private - Girls	10	Zanjan
	5	Private - Girls	11	Semnan
	5	Private - Girls	12	Sistan & Baluchistan
	5	Private - Girls	13	Tehran City
	5	Private - Girls	14	Tehran Province
	5	Private - Girls	15	Fars
	5	Private - Girls	16	Qazvin
	5	Private - Girls	17	Qom
	5	Private - Girls	18	Kurdistan
	5	Private - Girls	19	Kerman
	5	Private - Girls	20	Kermanshah
	5	Private - Girls	21	Kohkiluyeh & Buyer Ah
	5	Private - Girls	22	Golestan
	5	Private - Girls	23	Gilan
	5	Private - Girls	24	Lorestan
	5	Private - Girls	25	Mazandaran
	5	Private - Girls	26	Markazi
	5	Private - Girls	27	Hormozgan
	5	Private - Girls	28	Hamadan
	5	Private - Girls	29	Yazd
Italy	1	None	1	Region 1 - Other
	1	None	2	Region 1 - Province Capital Town
	1	None	3	Region 2 - Other
	1	None	4	Region 2 - Province Capital Town

**Exhibit S4.1: TIMSS 2007 Sampling Stratification Information - Fourth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Italy	1	None	5	Region 3 - Other
	1	None	6	Region 3 - Province Capital Town
	1	None	7	Region 4 - Other
	1	None	8	Region 4 - Province Capital Town
	1	None	9	Region 5 - Other
	1	None	10	Region 5 - Province Capital Town
	1	None	11	Region 6 - Other
	1	None	12	Region 6 - Province Capital Town
	1	None	13	Region 7 - Other
	1	None	14	Region 7 - Province Capital Town
	1	None	15	Region 8 - Other
	1	None	16	Region 8 - Province Capital Town
	1	None	17	Region 9 - Other
	1	None	18	Region 9 - Province Capital Town
	1	None	19	Region 10 - Other
	1	None	20	Region 10 - Province Capital Town
	1	None	21	Region 11 - Other
	1	None	22	Region 11 - Province Capital Town
	1	None	23	Region 12 - Other
	1	None	24	Region 12 - Province Capital Town
	1	None	25	Region 13 - Other
	1	None	26	Region 13 - Province Capital Town
	1	None	27	Region 14 - Other
	1	None	28	Region 14 - Province Capital Town
	1	None	29	Region 15 - Other
	1	None	30	Region 15 - Province Capital Town
	1	None	31	Region 16 - Other
	1	None	32	Region 16 - Province Capital Town
	1	None	33	Region 17 - Other
	1	None	34	Region 17 - Province Capital Town
	1	None	35	Region 18 - Other
	1	None	36	Region 18 - Province Capital Town
	1	None	37	Region 19 - Other
	1	None	38	Region 19 - Province Capital Town
	1	None	39	Region 20 - Other
	1	None	40	Region 20 - Province Capital Town
Japan	1	Very Large City	1	None
	2	Large City	1	None
	3	Small City	1	None
	4	Non-City Area	1	None
Kazakhstan	1	Urban	1	Aqmola - Kazakh
	1	Urban	2	Aqmola - Russian
	1	Urban	3	Aqmola - Kazakh & Russian
	1	Urban	4	Almaty - Kazakh
	1	Urban	5	Almaty - Russian
	1	Urban	6	Almaty - Kazakh & Russian

**Exhibit S4.1: TIMSS 2007 Sampling Stratification Information - Fourth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Kazakhstan	1	Urban	7	Aqtöbe - Kazakh
	1	Urban	8	Aqtöbe - Russian
	1	Urban	9	Aqtöbe - Kazakh & Russian
	1	Urban	10	Atyrau - Kazakh
	1	Urban	11	Atyrau - Russian
	1	Urban	12	Atyrau - Kazakh & Russian
	1	Urban	13	West Kazakhstan - Kazakh
	1	Urban	14	West Kazakhstan - Russian
	1	Urban	15	West Kazakhstan - Kazakh & Russian
	1	Urban	16	Mangghystau - Kazakh
	1	Urban	17	Mangghystau - Russian
	1	Urban	18	Mangghystau - Kazakh & Russian
	1	Urban	19	East Kazakhstan - Kazakh
	1	Urban	20	East Kazakhstan - Russian
	1	Urban	21	East Kazakhstan - Kazakh & Russian
	1	Urban	22	Zhambyl - Kazakh
	1	Urban	23	Zhambyl - Russian
	1	Urban	24	Zhambyl - Kazakh & Russian
	1	Urban	25	Qaraghandy - Kazakh
	1	Urban	26	Qaraghandy - Russian
	1	Urban	27	Qaraghandy - Kazakh & Russian
	1	Urban	28	Qyzylorda - Kazakh
	1	Urban	29	Qyzylorda - Russian
	1	Urban	30	Qyzylorda - Kazakh & Russian
	1	Urban	31	South Kazakhstan - Kazakh
	1	Urban	32	South Kazakhstan - Russian
	1	Urban	33	South Kazakhstan - Kazakh & Russian
	1	Urban	34	Qostanay - Kazakh
	1	Urban	35	Qostanay - Russian
	1	Urban	36	Qostanay - Kazakh & Russian
	1	Urban	37	Pavlodar - Kazakh
	1	Urban	38	Pavlodar - Russian
	1	Urban	39	Pavlodar - Kazakh & Russian
	1	Urban	40	North Kazakhstan - Kazakh
	1	Urban	41	North Kazakhstan - Russian
	1	Urban	42	North Kazakhstan - Kazakh & Russian
	1	Urban	43	Astana - Kazakh
	1	Urban	44	Astana - Russian
	1	Urban	45	Astana - Kazakh & Russian
	1	Urban	46	Almaty City - Kazakh
	1	Urban	47	Almaty City - Russian
	1	Urban	48	Almaty City - Kazakh & Russian
	2	Rural - Large	1	Aqmola - Kazakh
	2	Rural - Large	2	Aqmola - Russian
	2	Rural - Large	3	Aqmola - Kazakh & Russian
	2	Rural - Large	4	Almaty - Kazakh

**Exhibit S4.1: TIMSS 2007 Sampling Stratification Information - Fourth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Kazakhstan	2	Rural - Large	5	Almaty - Russian
	2	Rural - Large	6	Almaty - Kazakh & Russian
	2	Rural - Large	7	Aqtöbe - Kazakh
	2	Rural - Large	8	Aqtöbe - Russian
	2	Rural - Large	9	Aqtöbe - Kazakh & Russian
	2	Rural - Large	10	Atyrau - Kazakh
	2	Rural - Large	11	Atyrau - Russian
	2	Rural - Large	12	Atyrau - Kazakh & Russian
	2	Rural - Large	13	West Kazakhstan - Kazakh
	2	Rural - Large	14	West Kazakhstan - Russian
	2	Rural - Large	15	West Kazakhstan - Kazakh & Russian
	2	Rural - Large	16	Mangghystau - Kazakh
	2	Rural - Large	18	Mangghystau - Kazakh & Russian
	2	Rural - Large	19	East Kazakhstan - Kazakh
	2	Rural - Large	20	East Kazakhstan - Russian
	2	Rural - Large	21	East Kazakhstan - Kazakh & Russian
	2	Rural - Large	22	Zhambyl - Kazakh
	2	Rural - Large	23	Zhambyl - Russian
	2	Rural - Large	24	Zhambyl - Kazakh & Russian
	2	Rural - Large	25	Qaraghandy - Kazakh
	2	Rural - Large	26	Qaraghandy - Russian
	2	Rural - Large	27	Qaraghandy - Kazakh & Russian
	2	Rural - Large	28	Qyzylorda - Kazakh
	2	Rural - Large	30	Qyzylorda - Kazakh & Russian
	2	Rural - Large	31	South Kazakhstan - Kazakh
	2	Rural - Large	32	South Kazakhstan - Russian
	2	Rural - Large	33	South Kazakhstan - Kazakh & Russian
	2	Rural - Large	34	Qostanay - Kazakh
	2	Rural - Large	35	Qostanay - Russian
	2	Rural - Large	36	Qostanay - Kazakh & Russian
	2	Rural - Large	37	Pavlodar - Kazakh
	2	Rural - Large	38	Pavlodar - Russian
	2	Rural - Large	39	Pavlodar - Kazakh & Russian
	2	Rural - Large	40	North Kazakhstan - Kazakh
	2	Rural - Large	41	North Kazakhstan - Russian
	2	Rural - Large	42	North Kazakhstan - Kazakh & Russian
	3	Rural - Small	1	Aqmola - Kazakh
	3	Rural - Small	2	Aqmola - Russian
	3	Rural - Small	3	Aqmola - Kazakh & Russian
	3	Rural - Small	4	Almaty - Kazakh
	3	Rural - Small	5	Almaty - Russian
	3	Rural - Small	6	Almaty - Kazakh & Russian
	3	Rural - Small	7	Aqtöbe - Kazakh
	3	Rural - Small	8	Aqtöbe - Russian
	3	Rural - Small	9	Aqtöbe - Kazakh & Russian
	3	Rural - Small	10	Atyrau - Kazakh

**Exhibit S4.1: TIMSS 2007 Sampling Stratification Information - Fourth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Kazakhstan	3	Rural - Small	11	Atyrau - Russian
	3	Rural - Small	12	Atyrau - Kazakh & Russian
	3	Rural - Small	13	West Kazakhstan - Kazakh
	3	Rural - Small	14	West Kazakhstan - Russian
	3	Rural - Small	15	West Kazakhstan - Kazakh & Russian
	3	Rural - Small	16	Mangghystau - Kazakh
	3	Rural - Small	19	East Kazakhstan - Kazakh
	3	Rural - Small	20	East Kazakhstan - Russian
	3	Rural - Small	21	East Kazakhstan - Kazakh & Russian
	3	Rural - Small	22	Zhambyl - Kazakh
	3	Rural - Small	23	Zhambyl - Russian
	3	Rural - Small	24	Zhambyl - Kazakh & Russian
	3	Rural - Small	25	Qaraghandy - Kazakh
	3	Rural - Small	26	Qaraghandy - Russian
	3	Rural - Small	27	Qaraghandy - Kazakh & Russian
	3	Rural - Small	28	Qyzylorda - Kazakh
	3	Rural - Small	31	South Kazakhstan - Kazakh
	3	Rural - Small	32	South Kazakhstan - Russian
	3	Rural - Small	33	South Kazakhstan - Kazakh & Russian
	3	Rural - Small	34	Qostanay - Kazakh
	3	Rural - Small	35	Qostanay - Russian
	3	Rural - Small	36	Qostanay - Kazakh & Russian
	3	Rural - Small	37	Pavlodar - Kazakh
	3	Rural - Small	38	Pavlodar - Russian
	3	Rural - Small	39	Pavlodar - Kazakh & Russian
	3	Rural - Small	40	North Kazakhstan - Kazakh
	3	Rural - Small	41	North Kazakhstan - Russian
	3	Rural - Small	42	North Kazakhstan - Kazakh & Russian
Kuwait	1	None	1	Asema - Boys
	1	None	2	Asema - Girls
	1	None	3	Hawalli - Boys
	1	None	4	Hawalli - Girls
	1	None	5	Farwaniya - Boys
	1	None	6	Farwaniya - Girls
	1	None	7	Ahmadi - Boys
	1	None	8	Ahmadi - Girls
	1	None	9	Jahra - Boys
	1	None	10	Jahra - Girls
	1	None	11	Mubarak - Boys
	1	None	12	Mubarak - Girls
Latvia	1	Riga	1	Beginner's
	1	Riga	2	Basic
	1	Riga	3	Secondary
	2	Rural	1	Beginner's
	2	Rural	2	Basic
	2	Rural	3	Secondary

**Exhibit S4.1: TIMSS 2007 Sampling Stratification Information - Fourth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Latvia	3	Small Town	1	Beginner's
	3	Small Town	2	Basic
	3	Small Town	3	Secondary
	4	Town	1	Beginner's
	4	Town	2	Basic
	4	Town	3	Secondary
Lithuania	1	Grade 4	1	Vilnius County - Vilnius Capital
	1	Grade 4	2	Vilnius County - Cities
	1	Grade 4	3	Vilnius County - Small Cities
	1	Grade 4	4	Vilnius County - Other
	1	Grade 4	5	Šiauliai County - Other Major Cities
	1	Grade 4	6	Šiauliai County - Small Cities
	1	Grade 4	7	Šiauliai County - Other
	1	Grade 4	8	Alytaus County - Cities
	1	Grade 4	9	Alytaus County - Small Cities
	1	Grade 4	10	Alytaus County - Other
	1	Grade 4	11	Kauno County - Other Major Cities
	1	Grade 4	12	Kauno County - Cities
	1	Grade 4	13	Kauno County - Small Cities
	1	Grade 4	14	Kauno County - Other
	1	Grade 4	15	Utenos County - Cities
	1	Grade 4	16	Utenos County - Small Cities
	1	Grade 4	17	Utenos County - Other
	1	Grade 4	18	Panevėžys County - Other Major Cities
	1	Grade 4	19	Panevėžys County - Small Cities
	1	Grade 4	20	Panevėžys County - Other
	1	Grade 4	21	Telšiu County - Cities
	1	Grade 4	22	Telšiu County - Small Cities
	1	Grade 4	23	Telšiu County - Other
	1	Grade 4	24	Klaipėdos County - Other Major Cities
	1	Grade 4	25	Klaipėdos County - Small Cities
	1	Grade 4	26	Klaipėdos County - Other
	1	Grade 4	29	Tauragė County - Other
	1	Grade 4	30	Marijampolė County - Cities
	1	Grade 4	32	Marijampolė County - Other
	3	Grade 4 & Grade 8	1	Vilnius County - Vilnius Capital
	3	Grade 4 & Grade 8	2	Vilnius County - Cities
	3	Grade 4 & Grade 8	3	Vilnius County - Small Cities
	3	Grade 4 & Grade 8	4	Vilnius County - Other
	3	Grade 4 & Grade 8	5	Šiauliai County - Other Major Cities
	3	Grade 4 & Grade 8	6	Šiauliai County - Small Cities
	3	Grade 4 & Grade 8	7	Šiauliai County - Other
	3	Grade 4 & Grade 8	8	Alytaus County - Cities
	3	Grade 4 & Grade 8	9	Alytaus County - Small Cities
	3	Grade 4 & Grade 8	10	Alytaus County - Other
	3	Grade 4 & Grade 8	11	Kauno County - Other Major Cities



**Exhibit S4.1: TIMSS 2007 Sampling Stratification Information - Fourth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Lithuania	3	Grade 4 & Grade 8	12	Kauno County - Cities
	3	Grade 4 & Grade 8	13	Kauno County - Small Cities
	3	Grade 4 & Grade 8	14	Kauno County - Other
	3	Grade 4 & Grade 8	15	Utenos County - Cities
	3	Grade 4 & Grade 8	16	Utenos County - Small Cities
	3	Grade 4 & Grade 8	17	Utenos County - Other
	3	Grade 4 & Grade 8	18	Panevėžys County - Other Major Cities
	3	Grade 4 & Grade 8	19	Panevėžys County - Small Cities
	3	Grade 4 & Grade 8	20	Panevėžys County - Other
	3	Grade 4 & Grade 8	21	Telšiu County - Cities
	3	Grade 4 & Grade 8	22	Telšiu County - Small Cities
	3	Grade 4 & Grade 8	23	Telšiu County - Other
	3	Grade 4 & Grade 8	24	Klaipėdos County - Other Major Cities
	3	Grade 4 & Grade 8	25	Klaipėdos County - Small Cities
	3	Grade 4 & Grade 8	26	Klaipėdos County - Other
	3	Grade 4 & Grade 8	27	Tauragė County - Cities
	3	Grade 4 & Grade 8	28	Tauragė County - Small Cities
	3	Grade 4 & Grade 8	29	Tauragė County - Other
	3	Grade 4 & Grade 8	30	Marijampolė County - Cities
	3	Grade 4 & Grade 8	31	Marijampolė County - Small Cities
	3	Grade 4 & Grade 8	32	Marijampolė County - Other
Mongolia	1	Grade 4	6	Private - Orkhon
	1	Grade 4	7	Private - Ulaanbaatar
	1	Grade 4	9	Public - Bayankhongor
	1	Grade 4	13	Public - Dornod
	1	Grade 4	15	Public - Dundgovi
	1	Grade 4	18	Public - Khentii
	1	Grade 4	24	Public - Töv
	1	Grade 4	27	Public - Ovorkhangai
	1	Grade 4	29	Public - Zavkhan
	3	Grade 4 & Grade 8	1	Private - Bayankhongor
	3	Grade 4 & Grade 8	2	Private - Darkhan-Uul
	3	Grade 4 & Grade 8	3	Private - Dornod
	3	Grade 4 & Grade 8	4	Private - Khentii
	3	Grade 4 & Grade 8	5	Private - Khövsgöl
	3	Grade 4 & Grade 8	6	Private - Orkhon
	3	Grade 4 & Grade 8	7	Private - Ulaanbaatar
	3	Grade 4 & Grade 8	8	Public - Arkhangai
	3	Grade 4 & Grade 8	9	Public - Bayankhongor
	3	Grade 4 & Grade 8	10	Public - Bayan-Ölgii
	3	Grade 4 & Grade 8	11	Public - Bulgan
	3	Grade 4 & Grade 8	12	Public - Darkhan-Uul
	3	Grade 4 & Grade 8	13	Public - Dornod
	3	Grade 4 & Grade 8	14	Public - Dornogovi
	3	Grade 4 & Grade 8	15	Public - Dundgovi
	3	Grade 4 & Grade 8	16	Public - Govi-Altai

**Exhibit S4.1: TIMSS 2007 Sampling Stratification Information - Fourth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Mongolia	3	Grade 4 & Grade 8	17	Public - Govisumber
	3	Grade 4 & Grade 8	18	Public - Khentii
	3	Grade 4 & Grade 8	19	Public - Khovd
	3	Grade 4 & Grade 8	20	Public - Khövsgöl
	3	Grade 4 & Grade 8	21	Public - Orkhon
	3	Grade 4 & Grade 8	22	Public - Sükhbaatar
	3	Grade 4 & Grade 8	23	Public - Selenge
	3	Grade 4 & Grade 8	24	Public - Töv
	3	Grade 4 & Grade 8	25	Public - Ulaanbaatar
	3	Grade 4 & Grade 8	26	Public - Ömnögov
	3	Grade 4 & Grade 8	27	Public - Ovorkhangai
	3	Grade 4 & Grade 8	28	Public - Uvs
	3	Grade 4 & Grade 8	29	Public - Zavkhan
Morocco	1	Public - Region Stratum 1	1	Oued Ed-dahab-Lagouira - Urban
	1	Public - Region Stratum 1	2	Oued Ed-dahab-Lagouira - Rural
	1	Public - Region Stratum 1	3	Laâyoune-Boujdour-Sakia El Ham - Urban
	1	Public - Region Stratum 1	4	Laâyoune-Boujdour-Sakia El Ham - Rural
	1	Public - Region Stratum 1	5	Guelmim-Es Smara - Urban
	1	Public - Region Stratum 1	6	Guelmim-Es Smara - Rural
	2	Public - Region Stratum 2	7	Souss-Massa-Draâ - Urban
	2	Public - Region Stratum 2	8	Souss-Massa-Draâ - Rural
	3	Public - Region Stratum 3	9	Gharb-Chrarda-Béni Hssen - Urban
	3	Public - Region Stratum 3	10	Gharb-Chrarda-Béni Hssen - Rural
	3	Public - Region Stratum 3	11	Grand Casablanca - Urban
	3	Public - Region Stratum 3	12	Grand Casablanca - Rural
	4	Public - Region Stratum 4	13	Marrakech-Tensift-Al Haouz - Urban
	4	Public - Region Stratum 4	14	Marrakech-Tensift-Al Haouz - Rural
	5	Public - Region Stratum 5	15	Chaouia-Ourdigha - Urban
	5	Public - Region Stratum 5	16	Chaouia-Ourdigha - Rural
	5	Public - Region Stratum 5	17	Doukala-Abda - Urban
	5	Public - Region Stratum 5	18	Doukala-Abda - Rural
	5	Public - Region Stratum 5	19	Tadla-Azilal - Urban
	5	Public - Region Stratum 5	20	Tadla-Azilal - Rural
	6	Public - Region Stratum 6	21	Rabat-Salé-Zemmour-Zaer - Urban
	6	Public - Region Stratum 6	22	Rabat-Salé-Zemmour-Zaer - Rural
	6	Public - Region Stratum 6	23	Tanger-Tétouan - Urban
	6	Public - Region Stratum 6	24	Tanger-Tétouan - Rural
	7	Public - Region Stratum 7	25	Fès-Boulmane - Urban
	7	Public - Region Stratum 7	26	Fès-Boulmane - Rural
	7	Public - Region Stratum 7	27	Taza-Al Hoceima-Taounate - Urban
	7	Public - Region Stratum 7	28	Taza-Al Hoceima-Taounate - Rural
	8	Public - Region Stratum 8	29	L'Oriental - Urban
	8	Public - Region Stratum 8	30	L'Oriental - Rural
	8	Public - Region Stratum 8	31	Meknès-Tafilalet - Urban
	8	Public - Region Stratum 8	32	Meknès-Tafilalet - Rural
	17	Private	33	None

**Exhibit S4.1: TIMSS 2007 Sampling Stratification Information - Fourth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Netherlands	1	Low Mean Socio-Economic Status	1	None
	2	Medium Mean Socio-Economic Status	1	None
	3	High Mean Socio-Economic Status	1	None
New Zealand	1	None	1	Low School Decile Indicator (TFEA) - Urban
	1	None	2	Low School Decile Indicator (TFEA) - Rural
	1	None	3	Medium School Decile Indicator (TFEA) - Urban
	1	None	4	Medium School Decile Indicator (TFEA) - Rural
	1	None	5	High School Decile Indicator (TFEA) - Urban
	1	None	6	High School Decile Indicator (TFEA) - Rural
	1	None	7	No School Decile Indicator (TFEA) - Rural
	1	None	8	No School Decile Indicator (TFEA) - Urban
Norway	1	Grade 4	1	None
	3	Grade 4 & Grade 8	1	None
Qatar	1	Grade 4	1	Independent - Girls
	1	Grade 4	2	Independent - Boys
	1	Grade 4	3	Ministry of Education - Girls
	1	Grade 4	4	Ministry of Education - Boys
	1	Grade 4	5	Private Arabic - Girls
	1	Grade 4	6	Private Arabic - Boys
	3	Grade 4 & Grade 8	3	Ministry of Education - Girls
	3	Grade 4 & Grade 8	4	Ministry of Education - Boys
Russian Federation	3	Grade 4 & Grade 8	5	Private Arabic - Girls
	1	Adygea	1	Rural
	1	Adygea	2	Settlement
	1	Adygea	3	City - Fewer than 50,000
	1	Adygea	5	City - 100,000 to 450,000
	2	Alania	1	Rural
	2	Alania	2	Settlement
	2	Alania	3	City - Fewer than 50,000
	2	Alania	4	City - 50,000 to 100,000
	2	Alania	5	City - 100,000 to 450,000
	3	Marii Al	1	Rural
	3	Marii Al	2	Settlement
	3	Marii Al	3	City - Fewer than 50,000
	3	Marii Al	4	City - 50,000 to 100,000
	3	Marii Al	5	City - 100,000 to 450,000
	4	Amur Obl.	1	Rural
	4	Amur Obl.	2	Settlement
	4	Amur Obl.	3	City - Fewer than 50,000
	4	Amur Obl.	4	City - 50,000 to 100,000
	4	Amur Obl.	5	City - 100,000 to 450,000
	5	Kabardino Obl.	1	Rural
	5	Kabardino Obl.	2	Settlement
	5	Kabardino Obl.	3	City - Fewer than 50,000
	5	Kabardino Obl.	4	City - 50,000 to 100,000
	5	Kabardino Obl.	5	City - 100,000 to 450,000

**Exhibit S4.1: TIMSS 2007 Sampling Stratification Information - Fourth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Russian Federation	6	Kaliningrad Obl.	2	Settlement
	6	Kaliningrad Obl.	3	City - Fewer than 50,000
	6	Kaliningrad Obl.	6	City - 450,000 to 680,000
	7	Moscow	8	Moscow
	8	St. Petersburg	9	St. Petersburg
	9	Chelyabinsk Obl.	1	Rural
	9	Chelyabinsk Obl.	2	Settlement
	9	Chelyabinsk Obl.	3	City - Fewer than 50,000
	9	Chelyabinsk Obl.	4	City - 50,000 to 100,000
	9	Chelyabinsk Obl.	5	City - 100,000 to 450,000
	9	Chelyabinsk Obl.	7	City - More than 680,000
	10	Bashkortostan	1	Rural
	10	Bashkortostan	2	Settlement
	10	Bashkortostan	3	City - Fewer than 50,000
	10	Bashkortostan	4	City - 50,000 to 100,000
	10	Bashkortostan	5	City - 100,000 to 450,000
	10	Bashkortostan	7	City - More than 680,000
	11	Irkutsk Obl.	1	Rural
	11	Irkutsk Obl.	2	Settlement
	11	Irkutsk Obl.	3	City - Fewer than 50,000
	11	Irkutsk Obl.	4	City - 50,000 to 100,000
	11	Irkutsk Obl.	5	City - 100,000 to 450,000
	11	Irkutsk Obl.	6	City - 450,000 to 680,000
	12	Krasnodar Kr.	1	Rural
	12	Krasnodar Kr.	2	Settlement
	12	Krasnodar Kr.	3	City - Fewer than 50,000
	12	Krasnodar Kr.	4	City - 50,000 to 100,000
	12	Krasnodar Kr.	5	City - 100,000 to 450,000
	12	Krasnodar Kr.	7	City - More than 680,000
	13	Krasnoyarsk Kr.	1	Rural
	13	Krasnoyarsk Kr.	2	Settlement
	13	Krasnoyarsk Kr.	3	City - Fewer than 50,000
	13	Krasnoyarsk Kr.	4	City - 50,000 to 100,000
	13	Krasnoyarsk Kr.	5	City - 100,000 to 450,000
	13	Krasnoyarsk Kr.	7	City - More than 680,000
	14	N Novgorod Obl.	1	Rural
	14	N Novgorod Obl.	2	Settlement
	14	N Novgorod Obl.	3	City - Fewer than 50,000
	14	N Novgorod Obl.	4	City - 50,000 to 100,000
	14	N Novgorod Obl.	5	City - 100,000 to 450,000
	14	N Novgorod Obl.	7	City - More than 680,000
	15	Orenburg Obl.	1	Rural
	15	Orenburg Obl.	2	Settlement
	15	Orenburg Obl.	3	City - Fewer than 50,000
	15	Orenburg Obl.	4	City - 50,000 to 100,000
	15	Orenburg Obl.	5	City - 100,000 to 450,000

**Exhibit S4.1: TIMSS 2007 Sampling Stratification Information - Fourth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Russian Federation	15	Orenburg Obl.	6	City - 450,000 to 680,000
	16	Belgorod Obl.	1	Rural
	16	Belgorod Obl.	2	Settlement
	16	Belgorod Obl.	3	City - Fewer than 50,000
	16	Belgorod Obl.	4	City - 50,000 to 100,000
	16	Belgorod Obl.	5	City - 100,000 to 450,000
	17	Altai Kr.	1	Rural
	17	Altai Kr.	2	Settlement
	17	Altai Kr.	3	City - Fewer than 50,000
	17	Altai Kr.	4	City - 50,000 to 100,000
	17	Altai Kr.	5	City - 100,000 to 450,000
	17	Altai Kr.	6	City - 450,000 to 680,000
	18	Kirov Obl.	1	Rural
	18	Kirov Obl.	2	Settlement
	18	Kirov Obl.	3	City - Fewer than 50,000
	18	Kirov Obl.	4	City - 50,000 to 100,000
	18	Kirov Obl.	6	City - 450,000 to 680,000
	19	Kurgan Obl.	1	Rural
	19	Kurgan Obl.	2	Settlement
	19	Kurgan Obl.	3	City - Fewer than 50,000
	19	Kurgan Obl.	4	City - 50,000 to 100,000
	19	Kurgan Obl.	5	City - 100,000 to 450,000
	20	Kurst Obl.	1	Rural
	20	Kurst Obl.	2	Settlement
	20	Kurst Obl.	3	City - Fewer than 50,000
	20	Kurst Obl.	4	City - 50,000 to 100,000
	20	Kurst Obl.	5	City - 100,000 to 450,000
	21	Novosibirsk Obl.	1	Rural
	21	Novosibirsk Obl.	2	Settlement
	21	Novosibirsk Obl.	3	City - Fewer than 50,000
	21	Novosibirsk Obl.	4	City - 50,000 to 100,000
	21	Novosibirsk Obl.	7	City - More than 680,000
	22	Omsk Obl.	1	Rural
	22	Omsk Obl.	2	Settlement
	22	Omsk Obl.	3	City - Fewer than 50,000
	22	Omsk Obl.	7	City - More than 680,000
	23	Chita Obl.	1	Rural
	23	Chita Obl.	2	Settlement
	23	Chita Obl.	3	City - Fewer than 50,000
	23	Chita Obl.	4	City - 50,000 to 100,000
	23	Chita Obl.	5	City - 100,000 to 450,000
	24	Hakasia	1	Rural
	24	Hakasia	2	Settlement
	24	Hakasia	3	City - Fewer than 50,000
	24	Hakasia	4	City - 50,000 to 100,000
	24	Hakasia	5	City - 100,000 to 450,000

**Exhibit S4.1: TIMSS 2007 Sampling Stratification Information - Fourth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Russian Federation	25	Hanty-Mansii Ok.	1	Rural
	25	Hanty-Mansii Ok.	2	Settlement
	25	Hanty-Mansii Ok.	3	City - Fewer than 50,000
	25	Hanty-Mansii Ok.	4	City - 50,000 to 100,000
	25	Hanty-Mansii Ok.	5	City - 100,000 to 450,000
	26	Pskov Obl.	1	Rural
	26	Pskov Obl.	2	Settlement
	26	Pskov Obl.	3	City - Fewer than 50,000
	26	Pskov Obl.	5	City - 100,000 to 450,000
	27	Razan Obl.	1	Rural
	27	Razan Obl.	2	Settlement
	27	Razan Obl.	3	City - Fewer than 50,000
	27	Razan Obl.	4	City - 50,000 to 100,000
	27	Razan Obl.	6	City - 450,000 to 680,000
	28	Saratov Obl.	1	Rural
	28	Saratov Obl.	2	Settlement
	28	Saratov Obl.	3	City - Fewer than 50,000
	28	Saratov Obl.	4	City - 50,000 to 100,000
	28	Saratov Obl.	5	City - 100,000 to 450,000
	28	Saratov Obl.	7	City - More than 680,000
	29	Tambov Obl.	1	Rural
	29	Tambov Obl.	2	Settlement
	29	Tambov Obl.	3	City - Fewer than 50,000
	29	Tambov Obl.	4	City - 50,000 to 100,000
	29	Tambov Obl.	5	City - 100,000 to 450,000
	30	Perm Obl.	1	Rural
	30	Perm Obl.	2	Settlement
	30	Perm Obl.	3	City - Fewer than 50,000
	30	Perm Obl.	4	City - 50,000 to 100,000
	30	Perm Obl.	5	City - 100,000 to 450,000
	30	Perm Obl.	7	City - More than 680,000
	31	Rostov Obl.	1	Rural
	31	Rostov Obl.	2	Settlement
	31	Rostov Obl.	3	City - Fewer than 50,000
	31	Rostov Obl.	4	City - 50,000 to 100,000
	31	Rostov Obl.	5	City - 100,000 to 450,000
	31	Rostov Obl.	7	City - More than 680,000
	32	Stavropol Kr.	1	Rural
	32	Stavropol Kr.	2	Settlement
	32	Stavropol Kr.	3	City - Fewer than 50,000
	32	Stavropol Kr.	4	City - 50,000 to 100,000
	32	Stavropol Kr.	5	City - 100,000 to 450,000
	33	Sverdlovsk Obl.	1	Rural
	33	Sverdlovsk Obl.	2	Settlement
	33	Sverdlovsk Obl.	3	City - Fewer than 50,000
	33	Sverdlovsk Obl.	4	City - 50,000 to 100,000

**Exhibit S4.1: TIMSS 2007 Sampling Stratification Information - Fourth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Russian Federation	33	Sverdlovsk Obl.	5	City - 100,000 to 450,000
	33	Sverdlovsk Obl.	7	City - More than 680,000
	34	Tatarstan	1	Rural
	34	Tatarstan	2	Settlement
	34	Tatarstan	3	City - Fewer than 50,000
	34	Tatarstan	4	City - 50,000 to 100,000
	34	Tatarstan	5	City - 100,000 to 450,000
	34	Tatarstan	6	City - 450,000 to 680,000
	34	Tatarstan	7	City - More than 680,000
	35	Arhangelsk Obl.	1	Rural
	35	Arhangelsk Obl.	2	Settlement
	35	Arhangelsk Obl.	3	City - Fewer than 50,000
	35	Arhangelsk Obl.	4	City - 50,000 to 100,000
	35	Arhangelsk Obl.	5	City - 100,000 to 450,000
	35	Arhangelsk Obl.	6	City - 450,000 to 680,000
	36	Chuvashia	1	Rural
	36	Chuvashia	2	Settlement
	36	Chuvashia	3	City - Fewer than 50,000
	36	Chuvashia	4	City - 50,000 to 100,000
	36	Chuvashia	5	City - 100,000 to 450,000
	36	Chuvashia	6	City - 450,000 to 680,000
	37	Kemerovo Obl.	1	Rural
	37	Kemerovo Obl.	2	Settlement
	37	Kemerovo Obl.	3	City - Fewer than 50,000
	37	Kemerovo Obl.	4	City - 50,000 to 100,000
	37	Kemerovo Obl.	5	City - 100,000 to 450,000
	37	Kemerovo Obl.	6	City - 450,000 to 680,000
	38	Lipstek Obl.	1	Rural
	38	Lipstek Obl.	2	Settlement
	38	Lipstek Obl.	3	City - Fewer than 50,000
	38	Lipstek Obl.	5	City - 100,000 to 450,000
	38	Lipstek Obl.	6	City - 450,000 to 680,000
	39	Sakha	1	Rural
	39	Sakha	2	Settlement
	39	Sakha	3	City - Fewer than 50,000
	39	Sakha	4	City - 50,000 to 100,000
	39	Sakha	5	City - 100,000 to 450,000
	40	Tula Obl.	1	Rural
	40	Tula Obl.	2	Settlement
	40	Tula Obl.	3	City - Fewer than 50,000
	40	Tula Obl.	4	City - 50,000 to 100,000
	40	Tula Obl.	5	City - 100,000 to 450,000
	40	Tula Obl.	6	City - 450,000 to 680,000
	41	Udmurtia	1	Rural
	41	Udmurtia	2	Settlement
	41	Udmurtia	3	City - Fewer than 50,000



**Exhibit S4.1: TIMSS 2007 Sampling Stratification Information - Fourth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Russian Federation	41	Udmurtia	4	City - 50,000 to 100,000
	41	Udmurtia	5	City - 100,000 to 450,000
	41	Udmurtia	7	City - More than 680,000
	42	Volvograd Obl.	1	Rural
	42	Volvograd Obl.	2	Settlement
	42	Volvograd Obl.	3	City - Fewer than 50,000
	42	Volvograd Obl.	4	City - 50,000 to 100,000
	42	Volvograd Obl.	5	City - 100,000 to 450,000
	42	Volvograd Obl.	7	City - More than 680,000
	43	Orel Obl.	1	Rural
	43	Orel Obl.	2	Settlement
	43	Orel Obl.	3	City - Fewer than 50,000
	43	Orel Obl.	4	City - 50,000 to 100,000
	43	Orel Obl.	5	City - 100,000 to 450,000
	44	Moskva Obl.	1	Rural
	44	Moskva Obl.	2	Settlement
	44	Moskva Obl.	3	City - Fewer than 50,000
	44	Moskva Obl.	4	City - 50,000 to 100,000
	44	Moskva Obl.	5	City - 100,000 to 450,000
	45	Dagestan	1	Rural
	45	Dagestan	2	Settlement
	45	Dagestan	3	City - Fewer than 50,000
	45	Dagestan	4	City - 50,000 to 100,000
	45	Dagestan	5	City - 100,000 to 450,000
Scotland	1	None	1	Grade 4 - Large Urban Area - Low SDI
	1	None	2	Grade 4 - Large Urban Area - Middle SDI
	1	None	3	Grade 4 - Large Urban Area - High SDI
	1	None	4	Grade 4 - Large Urban Area - Unknown SDI
	1	None	5	Grade 4 - Other Urban Area - Low SDI
	1	None	6	Grade 4 - Other Urban Area - Middle SDI
	1	None	7	Grade 4 - Other Urban Area - High SDI
	1	None	8	Grade 4 - Other Urban Area - Unknown SDI
	1	None	9	Grade 4 - Accessible Small Town - Low SDI
	1	None	10	Grade 4 - Accessible Small Town - Middle SDI
	1	None	11	Grade 4 - Accessible Small Town - High SDI
	1	None	12	Grade 4 - Accessible Small Town - Unknown SDI
	1	None	13	Grade 4 - Remote Small Town - Low SDI
	1	None	14	Grade 4 - Remote Small Town - Middle SDI
	1	None	15	Grade 4 - Remote Small Town - High SDI
	1	None	16	Grade 4 - Remote Small Town - Unknown SDI
	1	None	17	Grade 4 - Accessible Rural Area - Low SDI
	1	None	18	Grade 4 - Accessible Rural Area - Middle SDI
	1	None	19	Grade 4 - Accessible Rural Area - High SDI
	1	None	20	Grade 4 - Accessible Rural Area - Unknown SDI
	1	None	21	Grade 4 - Remote Rural Area - Low SDI
	1	None	22	Grade 4 - Remote Rural Area - Middle SDI

**Exhibit S4.1: TIMSS 2007 Sampling Stratification Information - Fourth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Scotland	1	None	23	Grade 4 - Remote Rural Area - High SDI
	1	None	24	Grade 4 - Remote Rural Area - Unknown SDI
	1	None	25	Gr. 4 & Gr. 8 - Large Urban Area - Unknown SDI
	1	None	26	Gr. 4 & Gr. 8 - Other Urban Area - Unknown SDI
	1	None	28	Gr. 4 & Gr. 8 - Accessible Small Town - Unknown SDI
	1	None	30	Gr. 4 & Gr. 8 - Remote Rural Area - Low SDI
	1	None	31	Gr. 4 & Gr. 8 - Remote Rural Area - Middle SDI
	1	None	32	Gr. 4 & Gr. 8 - Remote Rural Area - High SDI
Singapore	1	None	33	Gr. 4 & Gr. 8 - Remote Rural Area - Unknown SDI
	1	None	1	Performance Level 1
	1	None	2	Performance Level 2
	1	None	3	Performance Level 3
	1	None	4	Performance Level 4
	1	None	5	Performance Level 5
	1	None	6	Performance Level 6
	1	None	7	Performance Level 7
	1	None	8	Performance Level 8
	1	None	9	Performance Level 9
	1	None	10	Performance Level 10
	1	None	11	Performance Level 11
	1	None	12	Performance Level 12
	1	None	13	Performance Level 13
	1	None	14	Performance Level 14
	1	None	15	Performance Level 15
	1	None	16	Performance Level 16
	1	None	17	Performance Level 17
	1	None	18	Performance Level 18
	1	None	19	Performance Level 19
	1	None	20	Performance Level 20
	1	None	21	Performance Level 21
	1	None	22	Performance Level 22
	1	None	23	Performance Level 23
Slovak Republic	.A	Not Available	.A	Not Available
Slovenia	1	None	1	Ljubljana region
	1	None	2	Maribor region
	1	None	3	Celje region
	1	None	4	Kranj region
	1	None	5	Nova Gorica region
	1	None	6	Koper region
	1	None	7	Novo Mesto region
	1	None	8	Murska Sobota region
Sweden	1	Public	1	None
	2	Independent	1	None
Tunisia	1	None	1	Private - Northeast
	1	None	2	Private - Southeast
	1	None	3	Public - Priority Education Zone - Northeast

**Exhibit S4.1: TIMSS 2007 Sampling Stratification Information - Fourth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Tunisia	1	None	4	Public - Priority Education Zone - Northwest
	1	None	5	Public - Priority Education Zone - Southeast
	1	None	6	Public - Priority Education Zone - Southwest
	1	None	7	Public - Non Priority Education Zone - Northeast
	1	None	8	Public - Non Priority Education Zone - Northwest
	1	None	9	Public - Non Priority Education Zone - Southeast
	1	None	10	Public - Non Priority Education Zone - Southwest
Ukraine	1	Grade 4	28	None
	3	Grade 4 & Grade 8 - Town	1	Region 01
	3	Grade 4 & Grade 8 - Town	2	Region 02
	3	Grade 4 & Grade 8 - Town	3	Region 03
	3	Grade 4 & Grade 8 - Town	4	Region 04
	3	Grade 4 & Grade 8 - Town	5	Region 05
	3	Grade 4 & Grade 8 - Town	6	Region 06
	3	Grade 4 & Grade 8 - Town	7	Region 07
	3	Grade 4 & Grade 8 - Town	8	Region 08
	3	Grade 4 & Grade 8 - Town	9	Region 09
	3	Grade 4 & Grade 8 - Town	10	Region 10
	3	Grade 4 & Grade 8 - Town	11	Region 11
	3	Grade 4 & Grade 8 - Town	12	Region 12
	3	Grade 4 & Grade 8 - Town	13	Region 13
	3	Grade 4 & Grade 8 - Town	14	Region 14
	3	Grade 4 & Grade 8 - Town	15	Region 15
	3	Grade 4 & Grade 8 - Town	16	Region 16
	3	Grade 4 & Grade 8 - Town	17	Region 17
	3	Grade 4 & Grade 8 - Town	18	Region 18
	3	Grade 4 & Grade 8 - Town	19	Region 19
	3	Grade 4 & Grade 8 - Town	20	Region 20
	3	Grade 4 & Grade 8 - Town	21	Region 21
	3	Grade 4 & Grade 8 - Town	22	Region 22
	3	Grade 4 & Grade 8 - Town	23	Region 23
	3	Grade 4 & Grade 8 - Town	24	Region 24
	3	Grade 4 & Grade 8 - Town	25	Region 25
	3	Grade 4 & Grade 8 - Town	26	Region 26
	3	Grade 4 & Grade 8 - Town	27	Region 27
	4	Grade 4 & Grade 8 - Village	1	Region 01
	4	Grade 4 & Grade 8 - Village	2	Region 02
	4	Grade 4 & Grade 8 - Village	3	Region 03
	4	Grade 4 & Grade 8 - Village	4	Region 04
	4	Grade 4 & Grade 8 - Village	5	Region 05
	4	Grade 4 & Grade 8 - Village	6	Region 06
	4	Grade 4 & Grade 8 - Village	7	Region 07
	4	Grade 4 & Grade 8 - Village	8	Region 08
	4	Grade 4 & Grade 8 - Village	9	Region 09
	4	Grade 4 & Grade 8 - Village	10	Region 10
	4	Grade 4 & Grade 8 - Village	11	Region 11

**Exhibit S4.1: TIMSS 2007 Sampling Stratification Information - Fourth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Ukraine	4	Grade 4 & Grade 8 - Village	12	Region 12
	4	Grade 4 & Grade 8 - Village	13	Region 13
	4	Grade 4 & Grade 8 - Village	14	Region 14
	4	Grade 4 & Grade 8 - Village	15	Region 15
	4	Grade 4 & Grade 8 - Village	16	Region 16
	4	Grade 4 & Grade 8 - Village	17	Region 17
	4	Grade 4 & Grade 8 - Village	18	Region 18
	4	Grade 4 & Grade 8 - Village	19	Region 19
	4	Grade 4 & Grade 8 - Village	20	Region 20
	4	Grade 4 & Grade 8 - Village	21	Region 21
	4	Grade 4 & Grade 8 - Village	22	Region 22
	4	Grade 4 & Grade 8 - Village	23	Region 23
	4	Grade 4 & Grade 8 - Village	24	Region 24
	4	Grade 4 & Grade 8 - Village	25	Region 25
	4	Grade 4 & Grade 8 - Village	27	Region 27
	5	Grade 4 & Grade 8 - Big Village	28	None
United States	.A	Not Available	.A	Not Available
Yemen	1	Rural	1	Public - Boys
	1	Rural	2	Public - Girls
	1	Rural	4	Public - Mixed - Abian
	1	Rural	5	Public - Mixed - Aden
	1	Rural	6	Public - Mixed - Al Hudaida
	1	Rural	7	Public - Mixed - Al Jauf
	1	Rural	8	Public - Mixed - Al Mahrah
	1	Rural	9	Public - Mixed - Al Mahweet
	1	Rural	10	Public - Mixed - Amran
	1	Rural	11	Public - Mixed - Baidha
	1	Rural	12	Public - Mixed - Capital City
	1	Rural	13	Public - Mixed - Dhalea
	1	Rural	14	Public - Mixed - Dhamar
	1	Rural	15	Public - Mixed - Hajja
	1	Rural	16	Public - Mixed - Ibb
	1	Rural	17	Public - Mixed - Lahj
	1	Rural	18	Public - Mixed - Mareb
	1	Rural	19	Public - Mixed - Mukalla
	1	Rural	20	Public - Mixed - Raimah
	1	Rural	21	Public - Mixed - Saada
	1	Rural	22	Public - Mixed - Sana'a
	1	Rural	23	Public - Mixed - Seyoun
	1	Rural	24	Public - Mixed - Shabwa
	1	Rural	25	Public - Mixed - Taiz
	1	Rural	26	Private
	2	Urban	1	Public - Boys
	2	Urban	2	Public - Girls
	2	Urban	3	Public - Mixed
	2	Urban	26	Private

**Exhibit S4.1: TIMSS 2007 Sampling Stratification Information - Fourth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Alberta, Canada	1	None	1	Charter
	1	None	2	Francophone
	1	None	3	Private
	1	None	4	Public
	1	None	5	Separate
British Columbia, Canada	1	Grade 4	1	Public
	1	Grade 4	2	Independent
	3	Grade 4 & Grade 8	1	Public
	3	Grade 4 & Grade 8	2	Independent
Dubai, UAE	1	Grade 4 - Indian	1	None
	2	Grade 5 Only - Non Indian	1	None
	5	Grade 4 & Grade 8 - Indian	1	None
	6	Grade 5 & Grade 9 - Non Indian	1	None
Massachusetts, US	1	None	.A	Not Available
Minnesota, US	1	None	.A	Not Available
Ontario, Canada	1	Grade 4 - English	1	Private
	1	Grade 4 - English	2	Public
	1	Grade 4 - English	3	Separate
	2	Grade 4 - French	2	Public
	2	Grade 4 - French	3	Separate
	5	Grade 4 & Grade 8 - English	1	Private
	5	Grade 4 & Grade 8 - English	2	Public
	5	Grade 4 & Grade 8 - English	3	Separate
	6	Grade 4 & Grade 8 - French	1	Private
	6	Grade 4 & Grade 8 - French	2	Public
	6	Grade 4 & Grade 8 - French	3	Separate
Quebec, Canada	1	Grade 4 - English	1	Private
	1	Grade 4 - English	2	Public
	2	Grade 4 - French	1	Private
	2	Grade 4 - French	2	Public
	5	Grade 4 & Grade 8 - English	1	Private
	5	Grade 4 & Grade 8 - English	2	Public
	6	Grade 4 & Grade 8 - French	1	Private
	6	Grade 4 & Grade 8 - French	2	Public

**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade**

<b>Countries</b>	<b>Explicit Strata (IDSTRATE)</b>		<b>Implicit Strata (ISTRATI)</b>	
	<b>Codes</b>	<b>Labels</b>	<b>Codes</b>	<b>Labels</b>
Algeria	2	None	1	Adrar
	2	None	2	Ain Delfa
	2	None	3	Ain Témouchent
	2	None	4	Alger
	2	None	5	Annaba
	2	None	6	Batna
	2	None	7	Béchoû
	2	None	8	Bédjaïa
	2	None	9	Biskra
	2	None	10	Blida
	2	None	11	Bouira
	2	None	12	Boumerdès
	2	None	13	Chlef
	2	None	14	Constantine
	2	None	15	Djelfa
	2	None	16	El Bayadh
	2	None	17	El Oued
	2	None	18	Ghardaïa
	2	None	19	Guelma
	2	None	20	Jijel
	2	None	21	Khenchela
	2	None	22	Laghouat
	2	None	23	Llizi
	2	None	24	Lordj Lou Arri
	2	None	25	Mascara
	2	None	26	Médéa
	2	None	27	Mila
	2	None	28	Mostaganem
	2	None	29	M'Sila
	2	None	30	Naâma
	2	None	31	Oran
	2	None	32	Ouargla
	2	None	33	Oum Bonagui
	2	None	34	Relizane
	2	None	35	Saida
	2	None	36	Sétif
	2	None	37	Sidi Bel Abbès
	2	None	38	Skikda
	2	None	39	Souk Ahras
	2	None	40	Tamanrasset
	2	None	41	Tarf
	2	None	42	Tébessa
	2	None	43	Tiaret
	2	None	44	Tindouf
	2	None	45	Tipaza
	2	None	46	Tissemssilt

**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Algeria	2	None	47	Tizi Ouzou
	2	None	48	Tlemcen
Armenia	1	None	1	Aragatsotn
	1	None	2	Ararat
	1	None	3	Armavir
	1	None	4	Gegharkunik
	1	None	5	Kotayk
	1	None	6	Lori
	1	None	7	Shirak
	1	None	8	Syunik
	1	None	9	Tavush
	1	None	10	Vayots Dzor
	1	None	11	Yerevan
Australia	9	Australian Capital Territory	.A	Not Available
	10	New South Wales	.A	Not Available
	11	Northern Territory	.A	Not Available
	12	Queensland	.A	Not Available
	13	South Australia	.A	Not Available
	14	Tasmania	.A	Not Available
	15	Victoria	.A	Not Available
	16	Western Australia	.A	Not Available
Bahrain	1	Public - Capital	1	Boys
	1	Public - Capital	2	Girls
	2	Public - Central	1	Boys
	2	Public - Central	2	Girls
	3	Public - Muharraq	1	Boys
	3	Public - Muharraq	2	Girls
	4	Public - Northern	1	Boys
	4	Public - Northern	2	Girls
	5	Public - Southern	1	Boys
	5	Public - Southern	2	Girls
	6	Private	3	None
Bosnia and Herzegovina	1	Kanton Sarajevo	1	None
	2	Tuzlanski Kanton	1	None
	3	Zeničko-Dobojski Kanton	1	None
	4	Srednjobosanski Kanton	1	None
	5	Hercegovačko-Neretvanski Kanton	1	None
	6	Zapadno-Herzegovacki Kanton	1	None
	7	Herceg-Bosanski Kanton	1	None
	8	Unsko-Sanski Kanton	1	None
	9	Posavski Kanton	1	None
	10	Bosansko-Podrinjski Kanton	1	None
	11	Prijedorska Regija	1	None
	12	Banjalucka Regija	1	None
	13	Dobojska Regija	1	None
	14	Focanska Regija	1	None



**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Bosnia and Herzegovina	15	Bijeljinska Regija	1	None
	16	Brcko Distrikt	1	None
Botswana	1	Central	1	Rural
	1	Central	2	Semi-urban
	1	Central	3	Urban
	2	North / Northwest	1	Rural
	2	North / Northwest	2	Semi-urban
	2	North / Northwest	3	Urban
	3	South Central	1	Rural
	3	South Central	2	Semi-urban
	3	South Central	3	Urban
	3	South Central	4	Private
	4	South	1	Rural
	4	South	2	Semi-urban
	4	South	3	Urban
	5	West	1	Rural
	5	West	2	Semi-urban
Bulgaria	1	General	1	Sofia
	1	General	2	Large City
	1	General	3	Other
	2	Vocational	1	Sofia
	2	Vocational	2	Large City
	2	Vocational	3	Other
	3	Profiled	1	Sofia
	3	Profiled	2	Large City
	3	Profiled	3	Other
Chinese Taipei	6	North	1	None
	7	Middle	1	None
	8	South	1	None
	9	East	1	None
	10	Isolated Islands	1	None
Colombia	2	Grade 8	1	School Calendar A - Public - Rural
	2	Grade 8	2	School Calendar A - Public - Urban
	2	Grade 8	3	School Calendar A - Private - Rural
	2	Grade 8	4	School Calendar A - Private - Urban
	2	Grade 8	5	School Calendar B - Public - Rural
	2	Grade 8	6	School Calendar B - Public - Urban
	2	Grade 8	7	School Calendar B - Private - Rural
	2	Grade 8	8	School Calendar B - Private - Urban
	3	Grade 4 & Grade 8	1	School Calendar A - Public - Rural
	3	Grade 4 & Grade 8	2	School Calendar A - Public - Urban
	3	Grade 4 & Grade 8	3	School Calendar A - Private - Rural
	3	Grade 4 & Grade 8	4	School Calendar A - Private - Urban
	3	Grade 4 & Grade 8	5	School Calendar B - Public - Rural
	3	Grade 4 & Grade 8	6	School Calendar B - Public - Urban
	3	Grade 4 & Grade 8	7	School Calendar B - Private - Rural

**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Colombia	3	Grade 4 & Grade 8	8	School Calendar B - Private - Urban
Cyprus	1	Nicosia	1	Urban
	1	Nicosia	2	Rural
	2	Limassol	1	Urban
	2	Limassol	2	Rural
	3	Larnaca-Famagusta	1	Urban
	3	Larnaca-Famagusta	2	Rural
	4	Paphos	1	Urban
	4	Paphos	2	Rural
Czech Republic	3	Grade 8 - Basic School	2	Středočeský
	3	Grade 8 - Basic School	3	Plzeň
	3	Grade 8 - Basic School	4	Karlovy Vary
	3	Grade 8 - Basic School	6	Jihočeský
	3	Grade 8 - Basic School	7	Liberec
	3	Grade 8 - Basic School	8	Hradec Králové
	3	Grade 8 - Basic School	9	Pardubice
	3	Grade 8 - Basic School	10	Vysočina
	3	Grade 8 - Basic School	11	Jihomoravský
	3	Grade 8 - Basic School	12	Olomouc
	3	Grade 8 - Basic School	13	Moravskoslezský
	4	Grade 8 - Gymnasium	1	Praha
	4	Grade 8 - Gymnasium	2	Středočeský
	4	Grade 8 - Gymnasium	3	Plzeň
	4	Grade 8 - Gymnasium	4	Karlovy Vary
	4	Grade 8 - Gymnasium	5	Ústí nad Labem
	4	Grade 8 - Gymnasium	6	Jihočeský
	4	Grade 8 - Gymnasium	7	Liberec
	4	Grade 8 - Gymnasium	8	Hradec Králové
	4	Grade 8 - Gymnasium	9	Pardubice
	4	Grade 8 - Gymnasium	10	Vysočina
	4	Grade 8 - Gymnasium	11	Jihomoravský
	4	Grade 8 - Gymnasium	12	Olomouc
	4	Grade 8 - Gymnasium	13	Moravskoslezský
	4	Grade 8 - Gymnasium	14	Zlín
	5	Grade 4 & Grade 8 - Basic School	1	Praha
	5	Grade 4 & Grade 8 - Basic School	2	Středočeský
	5	Grade 4 & Grade 8 - Basic School	3	Plzeň
	5	Grade 4 & Grade 8 - Basic School	4	Karlovy Vary
	5	Grade 4 & Grade 8 - Basic School	5	Ústí nad Labem
	5	Grade 4 & Grade 8 - Basic School	6	Jihočeský
	5	Grade 4 & Grade 8 - Basic School	7	Liberec
	5	Grade 4 & Grade 8 - Basic School	8	Hradec Králové
	5	Grade 4 & Grade 8 - Basic School	9	Pardubice
	5	Grade 4 & Grade 8 - Basic School	10	Vysočina
	5	Grade 4 & Grade 8 - Basic School	11	Jihomoravský
	5	Grade 4 & Grade 8 - Basic School	12	Olomouc

**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Czech Republic	5	Grade 4 & Grade 8 - Basic School	13	Moravskoslezský
	5	Grade 4 & Grade 8 - Basic School	14	Zlín
Egypt	.A	Not Available	.A	Not Available
El Salvador	3	Grade 8	1	Private
	3	Grade 8	2	Public
	4	Grade 4 & Grade 8 - Urban	1	Private
	4	Grade 4 & Grade 8 - Urban	3	Public - Ahuachapán
	4	Grade 4 & Grade 8 - Urban	4	Public - Cabañas
	4	Grade 4 & Grade 8 - Urban	5	Public - Chalatenango
	4	Grade 4 & Grade 8 - Urban	6	Public - Cuscatlán
	4	Grade 4 & Grade 8 - Urban	7	Public - La Libertad
	4	Grade 4 & Grade 8 - Urban	8	Public - La Paz
	4	Grade 4 & Grade 8 - Urban	9	Public - La Unión
	4	Grade 4 & Grade 8 - Urban	10	Public - Morazán
	4	Grade 4 & Grade 8 - Urban	11	Public - San Miguel
	4	Grade 4 & Grade 8 - Urban	12	Public - San Salvador
	4	Grade 4 & Grade 8 - Urban	13	Public - San Vicente
	4	Grade 4 & Grade 8 - Urban	14	Public - Santa Ana
	4	Grade 4 & Grade 8 - Urban	15	Public - Sonsonate
	4	Grade 4 & Grade 8 - Urban	16	Public - Usulután
	5	Grade 4 & Grade 8 - Rural	17	Community Based (ACE)
	5	Grade 4 & Grade 8 - Rural	18	Council Based (CDE) - Ahuachapán
	5	Grade 4 & Grade 8 - Rural	19	Council Based (CDE) - Cabañas
	5	Grade 4 & Grade 8 - Rural	20	Council Based (CDE) - Chalatenango
	5	Grade 4 & Grade 8 - Rural	21	Council Based (CDE) - Cuscatlán
	5	Grade 4 & Grade 8 - Rural	22	Council Based (CDE) - La Libertad
	5	Grade 4 & Grade 8 - Rural	23	Council Based (CDE) - La Paz
	5	Grade 4 & Grade 8 - Rural	24	Council Based (CDE) - La Unión
	5	Grade 4 & Grade 8 - Rural	25	Council Based (CDE) - Morazán
	5	Grade 4 & Grade 8 - Rural	26	Council Based (CDE) - San Miguel
	5	Grade 4 & Grade 8 - Rural	27	Council Based (CDE) - San Salvador
	5	Grade 4 & Grade 8 - Rural	28	Council Based (CDE) - San Vicente
	5	Grade 4 & Grade 8 - Rural	29	Council Based (CDE) - Santa Ana
	5	Grade 4 & Grade 8 - Rural	30	Council Based (CDE) - Sonsonate
	5	Grade 4 & Grade 8 - Rural	31	Council Based (CDE) - Usulután
	5	Grade 4 & Grade 8 - Rural	32	Other
England	2	Grade 8	1	Low Performance - Comprehensive to 16
	2	Grade 8	2	Low Performance - Comprehensive to 18
	2	Grade 8	3	Low Performance - Independent
	2	Grade 8	4	Low Performance - Other
	2	Grade 8	5	Low/Mid Performance - Comprehensive to 16
	2	Grade 8	6	Low/Mid Performance - Comprehensive to 18
	2	Grade 8	7	Low/Mid Performance - Independent
	2	Grade 8	8	Low/Mid Performance - Other
	2	Grade 8	9	Middle Performance- Comprehensive to 16
	2	Grade 8	10	Middle Performance- Comprehensive. to 18

**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
England	2	Grade 8	11	Middle Performance- Independent
	2	Grade 8	12	Middle Performance- Other
	2	Grade 8	13	Mid/High Performance - Comprehensive to 16
	2	Grade 8	14	Mid/High Performance - Comprehensive to 18
	2	Grade 8	15	Mid/High Performance - Independent
	2	Grade 8	16	Mid/High Performance - Other
	2	Grade 8	17	High Performance - Comprehensive to 16
	2	Grade 8	18	High Performance - Comprehensive to 18
	2	Grade 8	19	High Performance - Grammar
	2	Grade 8	20	High Performance - Independent
	2	Grade 8	21	High Performance - Other
	2	Grade 8	22	Unknown Performance - Comprehensive to 16
	2	Grade 8	23	Unknown Performance - Comprehensive to 18
	2	Grade 8	24	Unknown Performance - Grammar
	2	Grade 8	25	Unknown Performance - Independent
	2	Grade 8	26	Unknown Performance - Other
	3	Grade 4 & Grade 8	27	None
Georgia	1	Kvemo Kartli	1	Urban
	1	Kvemo Kartli	2	Rural
	2	Adjara	1	Urban
	2	Adjara	2	Rural
	3	Apxazeti	1	Urban
	3	Apxazeti	2	Rural
	4	Guria	1	Urban
	4	Guria	2	Rural
	5	Imereti	1	Urban
	5	Imereti	2	Rural
	6	Kaxeti	1	Urban
	6	Kaxeti	2	Rural
	7	Mckheta-Mtianeti	1	Urban
	7	Mckheta-Mtianeti	2	Rural
	8	Racha-Lechkhumi	1	Urban
	8	Racha-Lechkhumi	2	Rural
	9	Samckhe-Javakheti	1	Urban
	9	Samckhe-Javakheti	2	Rural
	10	Shida Kartli	1	Urban
	10	Shida Kartli	2	Rural
	11	Tbilisi	1	Urban
	12	Samegrelo	1	Urban
	12	Samegrelo	2	Rural
Ghana	1	Private	1	Ashanti
	1	Private	2	Western
	1	Private	3	Brong Ahafo
	1	Private	4	Central
	1	Private	5	Eastern
	1	Private	6	Greater Accra

**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Ghana	1	Private	7	Northern
	1	Private	8	Upper East
	1	Private	9	Upper West
	1	Private	10	Volta
	2	Public	1	Ashanti
	2	Public	2	Western
	2	Public	3	Brong Ahafo
	2	Public	4	Central
	2	Public	5	Eastern
	2	Public	6	Greater Accra
	2	Public	7	Northern
	2	Public	8	Upper East
	2	Public	9	Upper West
	2	Public	10	Volta
Hong Kong SAR	5	Aided	1	Chinese - Boys
	5	Aided	2	Chinese - Co-educational
	5	Aided	3	Chinese - Girls
	5	Aided	4	English - Boys
	5	Aided	5	English - Co-educational
	5	Aided	6	English - Girls
	6	Direct Subsidy Scheme	2	Chinese - Co-educational
	6	Direct Subsidy Scheme	4	English - Boys
	6	Direct Subsidy Scheme	5	English - Co-educational
	6	Direct Subsidy Scheme	6	English - Girls
	7	Government	1	Chinese - Boys
	7	Government	2	Chinese - Co-educational
	7	Government	3	Chinese - Girls
	7	Government	4	English - Boys
	7	Government	5	English - Co-educational
	7	Government	6	English - Girls
	8	Private	2	Chinese - Co-educational
	8	Private	5	English - Co-educational
Hungary	2	Grade 8	1	Dél-Alföld
	2	Grade 8	2	Dél-Dunántúl
	2	Grade 8	3	Közép-Dunántúl
	2	Grade 8	4	Közép-Magyarország
	2	Grade 8	5	Nyugat-Dunántúl
	2	Grade 8	6	Észak-Alföld
	2	Grade 8	7	Észak-Magyarország
	3	Grade 4 & Grade 8 - Capital	4	Közép-Magyarország
	4	Grade 4 & Grade 8 - County Town	1	Dél-Alföld
	4	Grade 4 & Grade 8 - County Town	2	Dél-Dunántúl
	4	Grade 4 & Grade 8 - County Town	3	Közép-Dunántúl
	4	Grade 4 & Grade 8 - County Town	5	Nyugat-Dunántúl
	4	Grade 4 & Grade 8 - County Town	6	Észak-Alföld
	4	Grade 4 & Grade 8 - County Town	7	Észak-Magyarország

**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Hungary	5	Grade 4 & Grade 8 - Town	1	Dél-Alföld
	5	Grade 4 & Grade 8 - Town	2	Dél-Dunántúl
	5	Grade 4 & Grade 8 - Town	3	Közép-Dunántúl
	5	Grade 4 & Grade 8 - Town	4	Közép-Magyarország
	5	Grade 4 & Grade 8 - Town	5	Nyugat-Dunántúl
	5	Grade 4 & Grade 8 - Town	6	Észak-Alföld
	5	Grade 4 & Grade 8 - Town	7	Észak-Magyarország
	6	Grade 4 & Grade 8 - Rural	1	Dél-Alföld
	6	Grade 4 & Grade 8 - Rural	2	Dél-Dunántúl
	6	Grade 4 & Grade 8 - Rural	3	Közép-Dunántúl
	6	Grade 4 & Grade 8 - Rural	4	Közép-Magyarország
	6	Grade 4 & Grade 8 - Rural	5	Nyugat-Dunántúl
	6	Grade 4 & Grade 8 - Rural	6	Észak-Alföld
	6	Grade 4 & Grade 8 - Rural	7	Észak-Magyarország
Indonesia	1	None	1	General - Public - High Performance
	1	None	2	General - Public - Medium Performance
	1	None	3	General - Public - Low Performance
	1	None	4	General - Private - High Performance
	1	None	5	General - Private - Medium Performance
	1	None	6	General - Private - Low Performance
	1	None	7	Islamic - Public - High Performance
	1	None	8	Islamic - Public - Medium Performance
	1	None	9	Islamic - Public - Low Performance
	1	None	10	Islamic - Private - High Performance
	1	None	11	Islamic - Private - Medium Performance
	1	None	12	Islamic - Private - Low Performance
Iran, Islamic Rep. of	6	Public - Boys	1	East Azarbaijan
	6	Public - Boys	2	West Azarbaijan
	6	Public - Boys	3	Ardabil
	6	Public - Boys	4	Esfahan
	6	Public - Boys	5	Ilam
	6	Public - Boys	6	Busher
	6	Public - Boys	7	Chahar Mahal & Bakhtiari
	6	Public - Boys	8	Khorasan
	6	Public - Boys	9	Khuzestan
	6	Public - Boys	10	Zanjan
	6	Public - Boys	11	Semnan
	6	Public - Boys	12	Sistan & Baluchistan
	6	Public - Boys	13	Tehran City
	6	Public - Boys	14	Tehran Province
	6	Public - Boys	15	Fars
	6	Public - Boys	16	Qazvin
	6	Public - Boys	17	Qom
	6	Public - Boys	18	Kurdistan
	6	Public - Boys	19	Kerman
	6	Public - Boys	20	Kermanshah

**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Iran, Islamic Rep. of	6	Public - Boys	21	Kohkiluyeh & Buyer Ahmad
	6	Public - Boys	22	Golestan
	6	Public - Boys	23	Gilan
	6	Public - Boys	24	Lorestan
	6	Public - Boys	25	Mazandaran
	6	Public - Boys	26	Markazi
	6	Public - Boys	27	Hormozgan
	6	Public - Boys	28	Hamadan
	6	Public - Boys	29	Yazd
	7	Public - Girls	1	East Azarbaijan
	7	Public - Girls	2	West Azarbaijan
	7	Public - Girls	3	Ardabil
	7	Public - Girls	4	Esfahan
	7	Public - Girls	5	Ilam
	7	Public - Girls	6	Busher
	7	Public - Girls	7	Chahar Mahal & Bakhtiari
	7	Public - Girls	8	Khorasan
	7	Public - Girls	9	Khuzestan
	7	Public - Girls	10	Zanjan
	7	Public - Girls	11	Semnan
	7	Public - Girls	12	Sistan & Baluchistan
	7	Public - Girls	13	Tehran City
	7	Public - Girls	14	Tehran Province
	7	Public - Girls	15	Fars
	7	Public - Girls	16	Qazvin
	7	Public - Girls	17	Qom
	7	Public - Girls	18	Kurdistan
	7	Public - Girls	19	Kerman
	7	Public - Girls	20	Kermanshah
	7	Public - Girls	21	Kohkiluyeh & Buyer Ahmad
	7	Public - Girls	22	Golestan
	7	Public - Girls	23	Gilan
	7	Public - Girls	24	Lorestan
	7	Public - Girls	25	Mazandaran
	7	Public - Girls	26	Markazi
	7	Public - Girls	27	Hormozgan
	7	Public - Girls	28	Hamadan
	7	Public - Girls	29	Yazd
	8	Public - Mixed	1	East Azarbaijan
	8	Public - Mixed	2	West Azarbaijan
	8	Public - Mixed	3	Ardabil
	8	Public - Mixed	4	Esfahan
	8	Public - Mixed	5	Ilam
	8	Public - Mixed	7	Chahar Mahal & Bakhtiari
	8	Public - Mixed	8	Khorasan
	8	Public - Mixed	9	Khuzestan

**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Iran, Islamic Rep. of	8	Public - Mixed	10	Zanjan
	8	Public - Mixed	11	Semnan
	8	Public - Mixed	12	Sistan & Baluchistan
	8	Public - Mixed	13	Tehran City
	8	Public - Mixed	14	Tehran Province
	8	Public - Mixed	15	Fars
	8	Public - Mixed	16	Qazvin
	8	Public - Mixed	17	Qom
	8	Public - Mixed	18	Kurdistan
	8	Public - Mixed	19	Kerman
	8	Public - Mixed	20	Kermanshah
	8	Public - Mixed	21	Kohkiluyeh & Buyer Ahmad
	8	Public - Mixed	22	Golestan
	8	Public - Mixed	23	Gilan
	8	Public - Mixed	24	Lorestan
	8	Public - Mixed	25	Mazandaran
	8	Public - Mixed	26	Markazi
	8	Public - Mixed	27	Hormozgan
	8	Public - Mixed	28	Hamadan
	8	Public - Mixed	29	Yazd
	9	Private - Boys	1	East Azarbaijan
	9	Private - Boys	2	West Azarbaijan
	9	Private - Boys	3	Ardabil
	9	Private - Boys	4	Esfahan
	9	Private - Boys	5	Ilam
	9	Private - Boys	6	Busher
	9	Private - Boys	7	Chahar Mahal & Bakhtiari
	9	Private - Boys	8	Khorasan
	9	Private - Boys	9	Khuzestan
	9	Private - Boys	10	Zanjan
	9	Private - Boys	11	Semnan
	9	Private - Boys	12	Sistan & Baluchistan
	9	Private - Boys	13	Tehran City
	9	Private - Boys	14	Tehran Province
	9	Private - Boys	15	Fars
	9	Private - Boys	16	Qazvin
	9	Private - Boys	17	Qom
	9	Private - Boys	18	Kurdistan
	9	Private - Boys	19	Kerman
	9	Private - Boys	20	Kermanshah
	9	Private - Boys	21	Kohkiluyeh & Buyer Ahmad
	9	Private - Boys	22	Golestan
	9	Private - Boys	23	Gilan
	9	Private - Boys	24	Lorestan
	9	Private - Boys	25	Mazandaran
	9	Private - Boys	26	Markazi



**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Iran, Islamic Rep. of	9	Private - Boys	27	Hormozgan
	9	Private - Boys	28	Hamadan
	9	Private - Boys	29	Yazd
	10	Private - Girls	1	East Azarbaijan
	10	Private - Girls	2	West Azarbaijan
	10	Private - Girls	3	Ardabil
	10	Private - Girls	4	Esfahan
	10	Private - Girls	5	Ilam
	10	Private - Girls	6	Busher
	10	Private - Girls	7	Chahar Mahal & Bakhtiari
	10	Private - Girls	8	Khorasan
	10	Private - Girls	9	Khuzestan
	10	Private - Girls	10	Zanjan
	10	Private - Girls	11	Semnan
	10	Private - Girls	12	Sistan & Baluchistan
	10	Private - Girls	13	Tehran City
	10	Private - Girls	14	Tehran Province
	10	Private - Girls	15	Fars
	10	Private - Girls	16	Qazvin
	10	Private - Girls	17	Qom
	10	Private - Girls	18	Kurdistan
	10	Private - Girls	19	Kerman
	10	Private - Girls	20	Kermanshah
	10	Private - Girls	21	Kohkiluyeh & Buyer Ahmad
	10	Private - Girls	22	Golestan
	10	Private - Girls	23	Gilan
	10	Private - Girls	24	Lorestan
	10	Private - Girls	25	Mazandaran
	10	Private - Girls	26	Markazi
	10	Private - Girls	27	Hormozgan
	10	Private - Girls	28	Hamadan
	10	Private - Girls	29	Yazd
Israel	1	Hebrew Secular	1	High Socio-Economic Status
	1	Hebrew Secular	2	Medium Socio-Economic Status
	1	Hebrew Secular	3	Low or Unknown Socio-Economic Status
	2	Hebrew Religious	1	High Socio-Economic Status
	2	Hebrew Religious	2	Medium Socio-Economic Status
	2	Hebrew Religious	3	Low or Unknown Socio-Economic Status
	3	Arab	1	High Socio-Economic Status
	3	Arab	2	Medium Socio-Economic Status
	3	Arab	3	Low or Unknown Socio-Economic Status
Italy	1	None	1	Region 1 - Other
	1	None	2	Region 1 - Province Capital Town
	1	None	3	Region 2 - Other
	1	None	4	Region 2 - Province Capital Town
	1	None	5	Region 3 - Other

**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Italy	1	None	6	Region 3 - Province Capital Town
	1	None	7	Region 4 - Other
	1	None	8	Region 4 - Province Capital Town
	1	None	9	Region 5 - Other
	1	None	10	Region 5 - Province Capital Town
	1	None	11	Region 6 - Other
	1	None	12	Region 6 - Province Capital Town
	1	None	13	Region 7 - Other
	1	None	14	Region 7 - Province Capital Town
	1	None	15	Region 8 - Other
	1	None	16	Region 8 - Province Capital Town
	1	None	17	Region 9 - Other
	1	None	18	Region 9 - Province Capital Town
	1	None	19	Region 10 - Other
	1	None	20	Region 10 - Province Capital Town
	1	None	21	Region 11 - Other
	1	None	22	Region 11 - Province Capital Town
	1	None	23	Region 12 - Other
	1	None	24	Region 12 - Province Capital Town
	1	None	25	Region 13 - Other
	1	None	26	Region 13 - Province Capital Town
	1	None	27	Region 14 - Other
	1	None	28	Region 14 - Province Capital Town
	1	None	29	Region 15 - Other
	1	None	30	Region 15 - Province Capital Town
	1	None	31	Region 16 - Other
	1	None	32	Region 16 - Province Capital Town
	1	None	33	Region 17 - Other
	1	None	34	Region 17 - Province Capital Town
	1	None	35	Region 18 - Other
	1	None	36	Region 18 - Province Capital Town
	1	None	37	Region 19 - Other
	1	None	38	Region 19 - Province Capital Town
	1	None	39	Region 20 - Other
	1	None	40	Region 20 - Province Capital Town
Japan	1	Public - Very Large City	1	None
	2	Public - Large City	1	None
	3	Public - Small City	1	None
	4	Public - Non City Area	1	None
	5	Private or National	1	None
Jordan	1	Discovery	13	None
	2	Public	1	Urban - Boys - Basic
	2	Public	2	Urban - Boys - Secondary
	2	Public	3	Urban - Girls - Basic
	2	Public	4	Urban - Girls - Secondary
	2	Public	5	Urban - Mixed - Basic

**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Jordan	2	Public	6	Urban - Mixed - Secondary
	2	Public	7	Rural - Boys - Basic
	2	Public	8	Rural - Boys - Secondary
	2	Public	9	Rural - Girls - Basic
	2	Public	10	Rural - Girls - Secondary
	2	Public	11	Rural - Mixed - Basic
	2	Public	12	Rural - Mixed - Secondary
	3	UNRWA	1	Urban - Boys - Basic
	3	UNRWA	3	Urban - Girls - Basic
	3	UNRWA	5	Urban - Mixed - Basic
	3	UNRWA	7	Rural - Boys - Basic
	3	UNRWA	9	Rural - Girls - Basic
	3	UNRWA	11	Rural - Mixed - Basic
	4	Private	1	Urban - Boys - Basic
	4	Private	2	Urban - Boys - Secondary
	4	Private	3	Urban - Girls - Basic
	4	Private	4	Urban - Girls - Secondary
	4	Private	5	Urban - Mixed - Basic
	4	Private	6	Urban - Mixed - Secondary
	4	Private	11	Rural - Mixed - Basic
	4	Private	12	Rural - Mixed - Secondary
Korea, Rep. of	1	Seoul	1	Urban - Boys
	1	Seoul	2	Urban - Girls
	1	Seoul	3	Urban - Mixed
	2	Pusan	1	Urban - Boys
	2	Pusan	2	Urban - Girls
	2	Pusan	3	Urban - Mixed
	2	Pusan	6	Rural - Mixed
	3	Taegu	1	Urban - Boys
	3	Taegu	2	Urban - Girls
	3	Taegu	3	Urban - Mixed
	3	Taegu	4	Rural - Boys
	3	Taegu	5	Rural - Girls
	3	Taegu	6	Rural - Mixed
	4	Incheon	1	Urban - Boys
	4	Incheon	2	Urban - Girls
	4	Incheon	3	Urban - Mixed
	4	Incheon	6	Rural - Mixed
	5	Kwangju	1	Urban - Boys
	5	Kwangju	2	Urban - Girls
	5	Kwangju	3	Urban - Mixed
	6	Taejeon	1	Urban - Boys
	6	Taejeon	2	Urban - Girls
	6	Taejeon	3	Urban - Mixed
	7	Ulsan	1	Urban - Boys
	7	Ulsan	2	Urban - Girls

**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Korea, Rep. of	7	Ulsan	3	Urban - Mixed
	7	Ulsan	6	Rural - Mixed
	8	Kyunggi-do	4	Rural - Boys
	8	Kyunggi-do	5	Rural - Girls
	8	Kyunggi-do	6	Rural - Mixed
	8	Kyunggi-do	7	Suburban - Boys
	8	Kyunggi-do	8	Suburban - Girls
	8	Kyunggi-do	9	Suburban - Mixed
	9	Kangwon-do	4	Rural - Boys
	9	Kangwon-do	5	Rural - Girls
	9	Kangwon-do	6	Rural - Mixed
	9	Kangwon-do	7	Suburban - Boys
	9	Kangwon-do	8	Suburban - Girls
	9	Kangwon-do	9	Suburban - Mixed
	10	Chungchongbuk-do	4	Rural - Boys
	10	Chungchongbuk-do	5	Rural - Girls
	10	Chungchongbuk-do	6	Rural - Mixed
	10	Chungchongbuk-do	7	Suburban - Boys
	10	Chungchongbuk-do	8	Suburban - Girls
	10	Chungchongbuk-do	9	Suburban - Mixed
	11	Chungchongnam-do	4	Rural - Boys
	11	Chungchongnam-do	5	Rural - Girls
	11	Chungchongnam-do	6	Rural - Mixed
	11	Chungchongnam-do	7	Suburban - Boys
	11	Chungchongnam-do	8	Suburban - Girls
	11	Chungchongnam-do	9	Suburban - Mixed
	12	Chollabuk-do	4	Rural - Boys
	12	Chollabuk-do	5	Rural - Girls
	12	Chollabuk-do	6	Rural - Mixed
	12	Chollabuk-do	7	Suburban - Boys
	12	Chollabuk-do	8	Suburban - Girls
	12	Chollabuk-do	9	Suburban - Mixed
	13	Chollanam-do	4	Rural - Boys
	13	Chollanam-do	5	Rural - Girls
	13	Chollanam-do	6	Rural - Mixed
	13	Chollanam-do	7	Suburban - Boys
	13	Chollanam-do	8	Suburban - Girls
	13	Chollanam-do	9	Suburban - Mixed
	14	Kyongsangbuk-do	4	Rural - Boys
	14	Kyongsangbuk-do	5	Rural - Girls
	14	Kyongsangbuk-do	6	Rural - Mixed
	14	Kyongsangbuk-do	7	Suburban - Boys
	14	Kyongsangbuk-do	8	Suburban - Girls
	14	Kyongsangbuk-do	9	Suburban - Mixed
	15	Kyongsangnam-do	4	Rural - Boys
	15	Kyongsangnam-do	5	Rural - Girls

**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Korea, Rep. of	15	Kyongsangnam-do	6	Rural - Mixed
	15	Kyongsangnam-do	7	Suburban - Boys
	15	Kyongsangnam-do	8	Suburban - Girls
	15	Kyongsangnam-do	9	Suburban - Mixed
	16	Cheju-do	4	Rural - Boys
	16	Cheju-do	5	Rural - Girls
	16	Cheju-do	6	Rural - Mixed
	16	Cheju-do	7	Suburban - Boys
	16	Cheju-do	8	Suburban - Girls
	16	Cheju-do	9	Suburban - Mixed
Kuwait	2	None	1	Asema - Boys
	2	None	2	Asema - Girls
	2	None	3	Hawalli - Boys
	2	None	4	Hawalli - Girls
	2	None	5	Farwaniya - Boys
	2	None	6	Farwaniya - Girls
	2	None	7	Ahmadi - Boys
	2	None	8	Ahmadi - Girls
	2	None	9	Jahra - Boys
	2	None	10	Jahra - Girls
	2	None	11	Mubarak - Boys
	2	None	12	Mubarak - Girls
Lebanon	1	Public	1	None
	2	Private	1	None
Lithuania	2	Grade 8	1	Vilnius County - Vilnius Capital
	2	Grade 8	2	Vilnius County - Cities
	2	Grade 8	3	Vilnius County - Small Cities
	2	Grade 8	4	Vilnius County - Other
	2	Grade 8	5	Šiauliai County - Other Major Cities
	2	Grade 8	6	Šiauliai County - Small Cities
	2	Grade 8	7	Šiauliai County - Other
	2	Grade 8	8	Alytaus County - Cities
	2	Grade 8	9	Alytaus County - Small Cities
	2	Grade 8	10	Alytaus County - Other
	2	Grade 8	11	Kauno County - Other Major Cities
	2	Grade 8	12	Kauno County - Cities
	2	Grade 8	13	Kauno County - Small Cities
	2	Grade 8	14	Kauno County - Other
	2	Grade 8	15	Utenos County - Cities
	2	Grade 8	16	Utenos County - Small Cities
	2	Grade 8	17	Utenos County - Other
	2	Grade 8	18	Panevėžys County - Other Major Cities
	2	Grade 8	19	Panevėžys County - Small Cities
	2	Grade 8	20	Panevėžys County - Other
	2	Grade 8	21	Telšiai County - Cities
	2	Grade 8	22	Telšiai County - Small Cities

**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Lithuania	2	Grade 8	23	Telšiu County - Other
	2	Grade 8	24	Klaipėdos County - Other Major Cities
	2	Grade 8	25	Klaipėdos County - Small Cities
	2	Grade 8	26	Klaipėdos County - Other
	2	Grade 8	28	Tauragė County - Small Cities
	2	Grade 8	29	Tauragė County - Other
	2	Grade 8	30	Marijampolė County - Cities
	2	Grade 8	32	Marijampolė County - Other
	3	Grade 4 & Grade 8	1	Vilnius County - Vilnius Capital
	3	Grade 4 & Grade 8	2	Vilnius County - Cities
	3	Grade 4 & Grade 8	3	Vilnius County - Small Cities
	3	Grade 4 & Grade 8	4	Vilnius County - Other
	3	Grade 4 & Grade 8	5	Šiauliai County - Other Major Cities
	3	Grade 4 & Grade 8	6	Šiauliai County - Small Cities
	3	Grade 4 & Grade 8	7	Šiauliai County - Other
	3	Grade 4 & Grade 8	8	Alytaus County - Cities
	3	Grade 4 & Grade 8	9	Alytaus County - Small Cities
	3	Grade 4 & Grade 8	10	Alytaus County - Other
	3	Grade 4 & Grade 8	11	Kauno County - Other Major Cities
	3	Grade 4 & Grade 8	12	Kauno County - Cities
	3	Grade 4 & Grade 8	13	Kauno County - Small Cities
	3	Grade 4 & Grade 8	14	Kauno County - Other
	3	Grade 4 & Grade 8	15	Utenos County - Cities
	3	Grade 4 & Grade 8	16	Utenos County - Small Cities
	3	Grade 4 & Grade 8	17	Utenos County - Other
	3	Grade 4 & Grade 8	18	Panevėžys County - Other Major Cities
	3	Grade 4 & Grade 8	19	Panevėžys County - Small Cities
	3	Grade 4 & Grade 8	20	Panevėžys County - Other
	3	Grade 4 & Grade 8	21	Telšiu County - Cities
	3	Grade 4 & Grade 8	22	Telšiu County - Small Cities
	3	Grade 4 & Grade 8	23	Telšiu County - Other
	3	Grade 4 & Grade 8	24	Klaipėdos County - Other Major Cities
	3	Grade 4 & Grade 8	25	Klaipėdos County - Small Cities
	3	Grade 4 & Grade 8	26	Klaipėdos County - Other
	3	Grade 4 & Grade 8	27	Tauragė County - Cities
	3	Grade 4 & Grade 8	28	Tauragė County - Small Cities
	3	Grade 4 & Grade 8	29	Tauragė County - Other
	3	Grade 4 & Grade 8	30	Marijampolė County - Cities
	3	Grade 4 & Grade 8	31	Marijampolė County - Small Cities
	3	Grade 4 & Grade 8	32	Marijampolė County - Other
Malaysia	1	Johor	1	Rural
	1	Johor	2	Urban
	2	Kedah	1	Rural
	2	Kedah	2	Urban
	3	Kelantan	1	Rural
	3	Kelantan	2	Urban

**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Malaysia	4	Melaka	1	Rural
	4	Melaka	2	Urban
	5	Negeri Sembilan	1	Rural
	5	Negeri Sembilan	2	Urban
	6	Pahang	1	Rural
	6	Pahang	2	Urban
	7	Perak	1	Rural
	7	Perak	2	Urban
	8	Perlis	1	Rural
	8	Perlis	2	Urban
	9	Pulau Pinang	1	Rural
	9	Pulau Pinang	2	Urban
	10	Sabah	1	Rural
	10	Sabah	2	Urban
	11	Sarawak	1	Rural
	11	Sarawak	2	Urban
	12	Selangor	1	Rural
	12	Selangor	2	Urban
	13	Terengganu	1	Rural
	13	Terengganu	2	Urban
	14	WP Kuala Lumpur	2	Urban
Malta	.A	Not Available	1	Church - Boys
	.A	Not Available	2	Church - Girls
	.A	Not Available	3	State - Secondary - Boys
	.A	Not Available	4	State -Secondary -Girls
	.A	Not Available	5	State - Junior Lyceum - Boys
	.A	Not Available	6	State - Junior Lyceum - Girls
	.A	Not Available	7	Independent
	.A	Not Available	7	Independent
	.A	Not Available	7	Independent
Mongolia	2	Grade 8	2	Private - Darkhan-Uul
	2	Grade 8	6	Private - Orkhon
	2	Grade 8	7	Private - Ulaanbaatar
	2	Grade 8	8	Private - Zavkhan
	2	Grade 8	14	Public - Dornod
	2	Grade 8	22	Public - Orkhon
	2	Grade 8	25	Public - Töv
	2	Grade 8	30	Public - Zavkhan
	3	Grade 4 & Grade 8	1	Private - Bayankhongor
	3	Grade 4 & Grade 8	2	Private - Darkhan-Uul
	3	Grade 4 & Grade 8	3	Private - Dornod
	3	Grade 4 & Grade 8	4	Private - Khentii
	3	Grade 4 & Grade 8	5	Private - Khövsgöl
	3	Grade 4 & Grade 8	6	Private - Orkhon
	3	Grade 4 & Grade 8	7	Private - Ulaanbaatar
	3	Grade 4 & Grade 8	9	Public - Arkhangai

**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Mongolia	3	Grade 4 & Grade 8	10	Public - Bayankhongor
	3	Grade 4 & Grade 8	11	Public - Bayan-Ölgii
	3	Grade 4 & Grade 8	12	Public - Bulgan
	3	Grade 4 & Grade 8	13	Public - Darkhan-Uul
	3	Grade 4 & Grade 8	14	Public - Dornod
	3	Grade 4 & Grade 8	15	Public - Dornogovi
	3	Grade 4 & Grade 8	16	Public - Dundgovi
	3	Grade 4 & Grade 8	17	Public - Govi-Altai
	3	Grade 4 & Grade 8	18	Public - Govisumber
	3	Grade 4 & Grade 8	19	Public - Khentii
	3	Grade 4 & Grade 8	20	Public - Khovd
	3	Grade 4 & Grade 8	21	Public - Khövsgöl
	3	Grade 4 & Grade 8	22	Public - Orkhon
	3	Grade 4 & Grade 8	23	Public - Sükhbaatar
	3	Grade 4 & Grade 8	24	Public - Selenge
	3	Grade 4 & Grade 8	25	Public - Töv
	3	Grade 4 & Grade 8	26	Public - Ulaanbaatar
	3	Grade 4 & Grade 8	27	Public - Ömnögovi
	3	Grade 4 & Grade 8	28	Public - Ovorkhangai
	3	Grade 4 & Grade 8	29	Public - Uvs
	3	Grade 4 & Grade 8	30	Public - Zavkhan
Morocco	9	Public - Region Stratum 1	1	Oued Ed-dahab-Lagouira - Urban
	9	Public - Region Stratum 1	2	Laâyoune-Boujdour-Sakia El Ham - Urban
	9	Public - Region Stratum 1	3	Guelmim-Es Semara - Urban
	9	Public - Region Stratum 1	4	Guelmim-Es Semara - Rural
	10	Public - Region Stratum 2	5	Souss-Massa-Draâ - Urban
	10	Public - Region Stratum 2	6	Souss-Massa-Draâ - Rural
	11	Public - Region Stratum 3	7	Gharb-Chrarda-Béni Hssen - Urban
	11	Public - Region Stratum 3	8	Gharb-Chrarda-Béni Hssen - Rural
	11	Public - Region Stratum 3	9	Grand Casablanca - Urban
	11	Public - Region Stratum 3	10	Grand Casablanca - Rural
	12	Public - Region Stratum 4	11	Marrakech-Tensift-Al Haouz - Urban
	12	Public - Region Stratum 4	12	Marrakech-Tensift-Al Haouz - Rural
	13	Public - Region Stratum 5	13	Chaouia-Ourdigha - Urban
	13	Public - Region Stratum 5	14	Chaouia-Ourdigha - Rural
	13	Public - Region Stratum 5	15	Doukkala-Abda - Urban
	13	Public - Region Stratum 5	16	Doukkala-Abda - Rural
	13	Public - Region Stratum 5	17	Tadla-Azilal - Urban
	13	Public - Region Stratum 5	18	Tadla-Azilal - Rural
	14	Public - Region Stratum 6	19	Rabat-Salé-Zemmour-Zaer - Urban
	14	Public - Region Stratum 6	20	Rabat-Salé-Zemmour-Zaer - Rural
	14	Public - Region Stratum 6	21	Tanger-Tétouan - Urban
	14	Public - Region Stratum 6	22	Tanger-Tétouan - Rural
	15	Public - Region Stratum 7	23	Fès-Boulmane - Urban
	15	Public - Region Stratum 7	24	Fès-Boulmane - Rural
	15	Public - Region Stratum 7	25	Taza-Al Hoceima-Taounate - Urban



**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Morocco	15	Public - Region Stratum 7	26	Taza-Al Hoceima-Taounate - Rural
	16	Public - Region Stratum 8	27	L'Oriental - Urban
	16	Public - Region Stratum 8	28	L'Oriental - Rural
	16	Public - Region Stratum 8	29	Meknès-Tafilalet - Urban
	16	Public - Region Stratum 8	30	Meknès-Tafilalet - Rural
	18	Private	31	None
Norway	2	Grade 8	1	None
	3	Grade 4 & Grade 8	1	None
Oman	1	Muscat	1	Boys
	1	Muscat	2	Girls
	1	Muscat	3	Mixed
	2	Al-Batinah North	1	Boys
	2	Al-Batinah North	2	Girls
	3	Al-Batinah South	1	Boys
	3	Al-Batinah South	2	Girls
	3	Al-Batinah South	3	Mixed
	4	Al-Dakhiliya	1	Boys
	4	Al-Dakhiliya	2	Girls
	5	Al-Sharqiya South	1	Boys
	5	Al-Sharqiya South	2	Girls
	5	Al-Sharqiya South	3	Mixed
	6	Al-Sharqiya North	1	Boys
	6	Al-Sharqiya North	2	Girls
	7	Al-Dhahara South	1	Boys
	7	Al-Dhahara South	2	Girls
	8	Al-Dhahara North	4	None
	9	Dhofar	1	Boys
	9	Dhofar	2	Girls
	9	Dhofar	3	Mixed
	10	Musandam	4	None
	11	Wosta	4	None
Palestinian Nat'l Auth.	1	Private	8	None
	2	Public	1	Boys - West Bank
	2	Public	2	Boys - Gaza
	2	Public	3	Girls - West Bank
	2	Public	4	Girls - Gaza
	2	Public	6	Mixed - West Bank
	2	Public	7	Mixed - Gaza
	3	UNRWA - Regular Program	1	Boys - West Bank
	3	UNRWA - Regular Program	2	Boys - Gaza
	3	UNRWA - Regular Program	3	Girls - West Bank
	3	UNRWA - Regular Program	4	Girls - Gaza
	3	UNRWA - Regular Program	5	Mixed
	4	UNRWA - Special Program	8	None
Qatar	2	Grade 8	1	Independent - Girls
	2	Grade 8	2	Independent - Boys

**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Qatar	2	Grade 8	3	Ministry of Education - Girls
	2	Grade 8	4	Ministry of Education - Boys
	2	Grade 8	5	Private Arabic - Girls
	2	Grade 8	6	Private Arabic - Boys
	3	Grade 4 & Grade 8	3	Ministry of Education - Girls
	3	Grade 4 & Grade 8	4	Ministry of Education - Boys
	3	Grade 4 & Grade 8	5	Private Arabic - Girls
Romania	1	None	1	Ardeal - Urban
	1	None	2	Ardeal - Rural
	1	None	3	Banat - Urban
	1	None	4	Banat - Rural
	1	None	5	Bucuresti - Urban
	1	None	6	Iflov county
	1	None	7	Dobrogea - Urban
	1	None	8	Dobrogea - Rural
	1	None	9	Moldova - Urban
	1	None	10	Moldova - Rural
	1	None	11	Muntenia - Urban
	1	None	12	Muntenia - Rural
	1	None	13	Oltenia - Urban
	1	None	14	Oltenia - Rural
Russian Federation	1	Primorskii Kr.	1	Rural
	1	Primorskii Kr.	2	Settlement
	1	Primorskii Kr.	3	City - Fewer than 50,000
	1	Primorskii Kr.	4	City - 50,000 to 100,000
	1	Primorskii Kr.	5	City - 100,000 to 450,000
	1	Primorskii Kr.	7	City - More than 680,000
	2	Rostov Obl.	1	Rural
	2	Rostov Obl.	2	Settlement
	2	Rostov Obl.	3	City - Fewer than 50,000
	2	Rostov Obl.	4	City - 50,000 to 100,000
	2	Rostov Obl.	5	City - 100,000 to 450,000
	2	Rostov Obl.	7	City - More than 680,000
	3	Samara Obl.	1	Rural
	3	Samara Obl.	2	Settlement
	3	Samara Obl.	3	City - Fewer than 50,000
	3	Samara Obl.	4	City - 50,000 to 100,000
	3	Samara Obl.	5	City - 100,000 to 450,000
	3	Samara Obl.	7	City - More than 680,000
	4	Saratov Obl.	1	Rural
	4	Saratov Obl.	2	Settlement
	4	Saratov Obl.	3	City - Fewer than 50,000
	4	Saratov Obl.	4	City - 50,000 to 100,000
	4	Saratov Obl.	5	City - 100,000 to 450,000
	4	Saratov Obl.	7	City - More than 680,000
	5	Perm Obl.	1	Rural

**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Russian Federation	5	Perm Obl.	2	Settlement
	5	Perm Obl.	3	City - Fewer than 50,000
	5	Perm Obl.	4	City - 50,000 to 100,000
	5	Perm Obl.	5	City - 100,000 to 450,000
	5	Perm Obl.	7	City - More than 680,000
	6	Hanty-Mansi Ok.	1	Rural
	6	Hanty-Mansi Ok.	2	Settlement
	6	Hanty-Mansi Ok.	3	City - Fewer than 50,000
	6	Hanty-Mansi Ok.	4	City - 50,000 to 100,000
	6	Hanty-Mansi Ok.	5	City - 100,000 to 450,000
	7	Udmurtia	1	Rural
	7	Udmurtia	2	Settlement
	7	Udmurtia	3	City - Fewer than 50,000
	7	Udmurtia	4	City - 50,000 to 100,000
	7	Udmurtia	5	City - 100,000 to 450,000
	7	Udmurtia	7	City - More than 680,000
	8	Chelyabinsk Obl.	1	Rural
	8	Chelyabinsk Obl.	2	Settlement
	8	Chelyabinsk Obl.	3	City - Fewer than 50,000
	8	Chelyabinsk Obl.	4	City - 50,000 to 100,000
	8	Chelyabinsk Obl.	5	City - 100,000 to 450,000
	8	Chelyabinsk Obl.	7	City - More than 680,000
	9	Chita Obl.	1	Rural
	9	Chita Obl.	2	Settlement
	9	Chita Obl.	3	City - Fewer than 50,000
	9	Chita Obl.	4	City - 50,000 to 100,000
	9	Chita Obl.	5	City - 100,000 to 450,000
	10	Smolensk Obl.	1	Rural
	10	Smolensk Obl.	2	Settlement
	10	Smolensk Obl.	3	City - Fewer than 50,000
	10	Smolensk Obl.	4	City - 50,000 to 100,000
	10	Smolensk Obl.	5	City - 100,000 to 450,000
	11	Sverdlovsk Obl.	1	Rural
	11	Sverdlovsk Obl.	2	Settlement
	11	Sverdlovsk Obl.	3	City - Fewer than 50,000
	11	Sverdlovsk Obl.	4	City - 50,000 to 100,000
	11	Sverdlovsk Obl.	5	City - 100,000 to 450,000
	11	Sverdlovsk Obl.	7	City - More than 680,000
	12	St. Petersburg	9	St. Petersburg
	13	Stavropol Kr.	1	Rural
	13	Stavropol Kr.	2	Settlement
	13	Stavropol Kr.	3	City - Fewer than 50,000
	13	Stavropol Kr.	4	City - 50,000 to 100,000
	13	Stavropol Kr.	5	City - 100,000 to 450,000
	14	Tatarstan	1	Rural
	14	Tatarstan	2	Settlement

**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Russian Federation	14	Tatarstan	3	City - Fewer than 50,000
	14	Tatarstan	4	City - 50,000 to 100,000
	14	Tatarstan	5	City - 100,000 to 450,000
	14	Tatarstan	6	City - 450,000 to 680,000
	14	Tatarstan	7	City - More than 680,000
	15	Pensa Obl.	1	Rural
	15	Pensa Obl.	2	Settlement
	15	Pensa Obl.	3	City - Fewer than 50,000
	15	Pensa Obl.	4	City - 50,000 to 100,000
	15	Pensa Obl.	6	City - 450,000 to 680,000
	16	Arhangelsk Obl.	1	Rural
	16	Arhangelsk Obl.	2	Settlement
	16	Arhangelsk Obl.	3	City - Fewer than 50,000
	16	Arhangelsk Obl.	4	City - 50,000 to 100,000
	16	Arhangelsk Obl.	5	City - 100,000 to 450,000
	16	Arhangelsk Obl.	6	City - 450,000 to 680,000
	17	Evrey-Auto Obl.	1	Rural
	17	Evrey-Auto Obl.	2	Settlement
	17	Evrey-Auto Obl.	3	City - Fewer than 50,000
	17	Evrey-Auto Obl.	4	City - 50,000 to 100,000
	18	Novosibirsk Obl.	1	Rural
	18	Novosibirsk Obl.	2	Settlement
	18	Novosibirsk Obl.	3	City - Fewer than 50,000
	18	Novosibirsk Obl.	4	City - 50,000 to 100,000
	18	Novosibirsk Obl.	7	City - More than 680,000
	19	Omsk Obl.	1	Rural
	19	Omsk Obl.	2	Settlement
	19	Omsk Obl.	3	City - Fewer than 50,000
	19	Omsk Obl.	7	City - More than 680,000
	20	Orenburg Obl.	1	Rural
	20	Orenburg Obl.	2	Settlement
	20	Orenburg Obl.	3	City - Fewer than 50,000
	20	Orenburg Obl.	4	City - 50,000 to 100,000
	20	Orenburg Obl.	5	City - 100,000 to 450,000
	20	Orenburg Obl.	6	City - 450,000 to 680,000
	21	Sakha	1	Rural
	21	Sakha	2	Settlement
	21	Sakha	3	City - Fewer than 50,000
	21	Sakha	4	City - 50,000 to 100,000
	21	Sakha	5	City - 100,000 to 450,000
	22	Altay Kr.	1	Rural
	22	Altay Kr.	2	Settlement
	22	Altay Kr.	3	City - Fewer than 50,000
	22	Altay Kr.	4	City - 50,000 to 100,000
	22	Altay Kr.	5	City - 100,000 to 450,000
	22	Altay Kr.	6	City - 450,000 to 680,000

**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Russian Federation	23	Astrahan Obl.	1	Rural
	23	Astrahan Obl.	2	Settlement
	23	Astrahan Obl.	3	City - Fewer than 50,000
	23	Astrahan Obl.	6	City - 450,000 to 680,000
	24	Bashkortostan	1	Rural
	24	Bashkortostan	2	Settlement
	24	Bashkortostan	3	City - Fewer than 50,000
	24	Bashkortostan	4	City - 50,000 to 100,000
	24	Bashkortostan	5	City - 100,000 to 450,000
	24	Bashkortostan	7	City - More than 680,000
	25	Belgorod Obl.	1	Rural
	25	Belgorod Obl.	2	Settlement
	25	Belgorod Obl.	3	City - Fewer than 50,000
	25	Belgorod Obl.	4	City - 50,000 to 100,000
	25	Belgorod Obl.	5	City - 100,000 to 450,000
	26	Bransk Obl.	1	Rural
	26	Bransk Obl.	2	Settlement
	26	Bransk Obl.	3	City - Fewer than 50,000
	26	Bransk Obl.	4	City - 50,000 to 100,000
	26	Bransk Obl.	6	City - 450,000 to 680,000
	27	Vladimir Obl.	1	Rural
	27	Vladimir Obl.	2	Settlement
	27	Vladimir Obl.	3	City - Fewer than 50,000
	27	Vladimir Obl.	4	City - 50,000 to 100,000
	27	Vladimir Obl.	5	City - 100,000 to 450,000
	28	Volgograd Obl.	1	Rural
	28	Volgograd Obl.	2	Settlement
	28	Volgograd Obl.	3	City - Fewer than 50,000
	28	Volgograd Obl.	4	City - 50,000 to 100,000
	28	Volgograd Obl.	5	City - 100,000 to 450,000
	28	Volgograd Obl.	7	City - More than 680,000
	29	Irkutsk Obl.	1	Rural
	29	Irkutsk Obl.	2	Settlement
	29	Irkutsk Obl.	3	City - Fewer than 50,000
	29	Irkutsk Obl.	4	City - 50,000 to 100,000
	29	Irkutsk Obl.	5	City - 100,000 to 450,000
	29	Irkutsk Obl.	6	City - 450,000 to 680,000
	30	Karelia	1	Rural
	30	Karelia	2	Settlement
	30	Karelia	3	City - Fewer than 50,000
	30	Karelia	5	City - 100,000 to 450,000
	31	Kemerovo Obl.	1	Rural
	31	Kemerovo Obl.	2	Settlement
	31	Kemerovo Obl.	3	City - Fewer than 50,000
	31	Kemerovo Obl.	4	City - 50,000 to 100,000
	31	Kemerovo Obl.	5	City - 100,000 to 450,000

**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Russian Federation	31	Kemerovo Obl.	6	City - 450,000 to 680,000
	32	Kirov Obl.	1	Rural
	32	Kirov Obl.	2	Settlement
	32	Kirov Obl.	3	City - Fewer than 50,000
	32	Kirov Obl.	4	City - 50,000 to 100,000
	32	Kirov Obl.	6	City - 450,000 to 680,000
	33	Komi	1	Rural
	33	Komi	2	Settlement
	33	Komi	3	City - Fewer than 50,000
	33	Komi	4	City - 50,000 to 100,000
	33	Komi	5	City - 100,000 to 450,000
	34	Krasnodar Kr.	1	Rural
	34	Krasnodar Kr.	2	Settlement
	34	Krasnodar Kr.	3	City - Fewer than 50,000
	34	Krasnodar Kr.	4	City - 50,000 to 100,000
	34	Krasnodar Kr.	5	City - 100,000 to 450,000
	34	Krasnodar Kr.	7	City - More than 680,000
	35	Krasnoyarsk Kr.	1	Rural
	35	Krasnoyarsk Kr.	2	Settlement
	35	Krasnoyarsk Kr.	3	City - Fewer than 50,000
	35	Krasnoyarsk Kr.	4	City - 50,000 to 100,000
	35	Krasnoyarsk Kr.	5	City - 100,000 to 450,000
	35	Krasnoyarsk Kr.	7	City - More than 680,000
	36	Kurgan Obl.	1	Rural
	36	Kurgan Obl.	2	Settlement
	36	Kurgan Obl.	3	City - Fewer than 50,000
	36	Kurgan Obl.	4	City - 50,000 to 100,000
	36	Kurgan Obl.	5	City - 100,000 to 450,000
	37	Kursk Obl.	1	Rural
	37	Kursk Obl.	2	Settlement
	37	Kursk Obl.	3	City - Fewer than 50,000
	37	Kursk Obl.	4	City - 50,000 to 100,000
	37	Kursk Obl.	5	City - 100,000 to 450,000
	38	Karachaevo-Cherkessia	1	Rural
	38	Karachaevo-Cherkessia	2	Settlement
	38	Karachaevo-Cherkessia	3	City - Fewer than 50,000
	38	Karachaevo-Cherkessia	5	City - 100,000 to 450,000
	39	Lipetsk Obl.	1	Rural
	39	Lipetsk Obl.	2	Settlement
	39	Lipetsk Obl.	3	City - Fewer than 50,000
	39	Lipetsk Obl.	5	City - 100,000 to 450,000
	39	Lipetsk Obl.	6	City - 450,000 to 680,000
	40	Moscow	8	Moscow
	41	N. Novgorod Obl.	1	Rural
	41	N. Novgorod Obl.	2	Settlement
	41	N. Novgorod Obl.	3	City - Fewer than 50,000

**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Russian Federation	41	N. Novgorod Obl.	4	City - 50,000 to 100,000
	41	N. Novgorod Obl.	5	City - 100,000 to 450,000
	41	N. Novgorod Obl.	7	City - More than 680,000
	42	Kostroma Obl.	1	Rural
	42	Kostroma Obl.	2	Settlement
	42	Kostroma Obl.	3	City - Fewer than 50,000
	42	Kostroma Obl.	5	City - 100,000 to 450,000
	43	Moskva Obl.	1	Rural
	43	Moskva Obl.	2	Settlement
	43	Moskva Obl.	3	City - Fewer than 50,000
	43	Moskva Obl.	4	City - 50,000 to 100,000
	43	Moskva Obl.	5	City - 100,000 to 450,000
	44	Dagestan	1	Rural
	44	Dagestan	2	Settlement
	44	Dagestan	3	City - Fewer than 50,000
	44	Dagestan	4	City - 50,000 to 100,000
	44	Dagestan	5	City - 100,000 to 450,000
	45	Voronezh Obl.	1	Rural
	45	Voronezh Obl.	2	Settlement
	45	Voronezh Obl.	3	City - Fewer than 50,000
	45	Voronezh Obl.	4	City - 50,000 to 100,000
	45	Voronezh Obl.	7	City - More than 680,000
Saudi Arabia	.A	Not Available	.A	Not Available
Scotland	1	None	1	Grade 8 - Large Urban Area - Low SDI
	1	None	2	Grade 8 - Large Urban Area - Middle SDI
	1	None	3	Grade 8 - Large Urban Area - High SDI
	1	None	4	Grade 8 - Large Urban Area - Unknown SDI
	1	None	5	Grade 8 - Other Urban Area - Low SDI
	1	None	6	Grade 8 - Other Urban Area - Middle SDI
	1	None	7	Grade 8 - Other Urban Area - High SDI
	1	None	8	Grade 8 - Accessible Small Town - Low SDI
	1	None	9	Grade 8 - Accessible Small Town - Middle SDI
	1	None	10	Grade 8 - Accessible Small Town - High SDI
	1	None	11	Grade 8 - Accessible Small Town - Unknown SDI
	1	None	12	Grade 8 - Remote Small Town - Low SDI
	1	None	13	Grade 8 - Remote Small Town - Middle SDI
	1	None	14	Grade 8 - Accessible Rural Area - Low SDI
	1	None	15	Grade 8 - Accessible Rural Area - Middle SDI
	1	None	16	Grade 8 - Accessible Rural Area - High SDI
	1	None	17	Grade 8 - Accessible Rural Area - Unknown SDI
	1	None	18	Grade 8 - Remote Rural Area - Low SDI
	1	None	19	Grade 8 - Remote Rural Area - Middle SDI
	1	None	20	Grade 8 - Remote Rural Area - Unknown SDI
	1	None	21	Gr. 4 & Gr. 8 - Large Urban Area - Unknown SDI
	1	None	22	Gr. 4 & Gr. 8 - Other Urban Area - Unknown SDI
	1	None	23	Gr. 4 & Gr. 8 - Accessible Small Town - Low SDI

**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Scotland	1	None	24	Gr. 4 & Gr. 8 - Accessible Small Town - Unknown SDI
	1	None	25	Gr. 4 & Gr. 8 - Accessible Rural Area - Unknown SDI
	1	None	26	Gr. 4 & Gr. 8 - Remote Rural Area - Low SDI
	1	None	27	Gr. 4 & Gr. 8 - Remote Rural Area - Middle SDI
	1	None	28	Gr. 4 & Gr. 8 - Remote Rural Area - High SDI
	1	None	29	Gr. 4 & Gr. 8 - Remote Rural Area - Unknown SDI
Serbia	1	Belgrade	1	Urban
	1	Belgrade	2	Rural
	2	Central Serbia	1	Urban
	2	Central Serbia	2	Rural
	3	Vojvodina	1	Urban
	3	Vojvodina	2	Rural
Singapore	1	None	1	Performance Level 1
	1	None	2	Performance Level 2
	1	None	3	Performance Level 3
	1	None	4	Performance Level 4
	1	None	5	Performance Level 5
	1	None	6	Performance Level 6
	1	None	7	Performance Level 7
	1	None	8	Performance Level 8
	1	None	9	Performance Level 9
	1	None	10	Performance Level 10
	1	None	11	Performance Level 11
	1	None	12	Performance Level 12
	1	None	13	Performance Level 13
	1	None	14	Performance Level 14
	1	None	15	Performance Level 15
	1	None	16	Performance Level 16
	1	None	17	Performance Level 17
	1	None	18	Performance Level 18
	1	None	19	Performance Level 19
	1	None	20	Performance Level 20
	1	None	21	Performance Level 21
	1	None	22	Performance Level 22
	1	None	23	Performance Level 23
	1	None	24	Performance Level 24
	1	None	25	Performance Level 25
	1	None	26	Performance Level 26
	1	None	27	Performance Level 27
	1	None	28	Performance Level 28
	1	None	29	Performance Level 29
	1	None	30	Performance Level 30
Slovenia	1	None	1	Ljubljana region
	1	None	2	Maribor region
	1	None	3	Celje region
	1	None	4	Kranj region



**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Slovenia	1	None	5	Nova Gorica region
	1	None	6	Koper region
	1	None	7	Novo Mesto region
	1	None	8	Murska Sobota region
Sweden	1	Public	1	None
	2	Independent	1	None
Syrian Arab Republic	1	Urban - Girls	1	Aleppo - Private
	1	Urban - Girls	2	Aleppo - Public
	1	Urban - Girls	4	Alhassakeh - Public
	1	Urban - Girls	5	Alqnaitra - Public
	1	Urban - Girls	6	Alreqa - Public
	1	Urban - Girls	8	Damascus - Private
	1	Urban - Girls	9	Damascus - Public
	1	Urban - Girls	11	Deir Azour - Public
	1	Urban - Girls	13	Daraa - Public
	1	Urban - Girls	15	Edlep - Public
	1	Urban - Girls	17	Hama - Public
	1	Urban - Girls	18	Homs - Private
	1	Urban - Girls	19	Homs - Public
	1	Urban - Girls	20	Lattakia - Private
	1	Urban - Girls	21	Lattakia - Public
	2	Urban - Boys	1	Aleppo - Private
	2	Urban - Boys	2	Aleppo - Public
	2	Urban - Boys	4	Alhassakeh - Public
	2	Urban - Boys	5	Alqnaitra - Public
	2	Urban - Boys	6	Alreqa - Public
	2	Urban - Boys	8	Damascus - Private
	2	Urban - Boys	9	Damascus - Public
	2	Urban - Boys	11	Deir Azour - Public
	2	Urban - Boys	13	Daraa - Public
	2	Urban - Boys	15	Edlep - Public
	2	Urban - Boys	17	Hama - Public
	2	Urban - Boys	18	Homs - Private
	2	Urban - Boys	19	Homs - Public
	2	Urban - Boys	21	Lattakia - Public
	3	Urban - Mixed	1	Aleppo - Private
	3	Urban - Mixed	2	Aleppo - Public
	3	Urban - Mixed	3	Alhassakeh - Private
	3	Urban - Mixed	4	Alhassakeh - Public
	3	Urban - Mixed	5	Alqnaitra - Public
	3	Urban - Mixed	6	Alreqa - Public
	3	Urban - Mixed	7	Alswaidah - Public
	3	Urban - Mixed	8	Damascus - Private
	3	Urban - Mixed	9	Damascus - Public
	3	Urban - Mixed	10	Deir Azour - Private
	3	Urban - Mixed	11	Deir Azour - Public

**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Syrian Arab Republic	3	Urban - Mixed	12	Daraa - Private
	3	Urban - Mixed	13	Daraa - Public
	3	Urban - Mixed	14	Edlep - Private
	3	Urban - Mixed	15	Edlep - Public
	3	Urban - Mixed	16	Hama - Private
	3	Urban - Mixed	17	Hama - Public
	3	Urban - Mixed	18	Homs - Private
	3	Urban - Mixed	19	Homs - Public
	3	Urban - Mixed	20	Lattakia - Private
	3	Urban - Mixed	21	Lattakia - Public
	3	Urban - Mixed	22	Tartose - Public
	4	Rural - Girls	2	Aleppo - Public
	4	Rural - Girls	4	Alhassakeh - Public
	4	Rural - Girls	5	Alqnaitra - Public
	4	Rural - Girls	6	Alreqa - Public
	4	Rural - Girls	8	Damascus - Private
	4	Rural - Girls	9	Damascus - Public
	4	Rural - Girls	11	Deir Azour - Public
	4	Rural - Girls	13	Daraa - Public
	4	Rural - Girls	15	Edlep - Public
	4	Rural - Girls	16	Hama - Private
	4	Rural - Girls	17	Hama - Public
	4	Rural - Girls	19	Homs - Public
	5	Rural - Boys	2	Aleppo - Public
	5	Rural - Boys	4	Alhassakeh - Public
	5	Rural - Boys	5	Alqnaitra - Public
	5	Rural - Boys	6	Alreqa - Public
	5	Rural - Boys	9	Damascus - Public
	5	Rural - Boys	11	Deir Azour - Public
	5	Rural - Boys	13	Daraa - Public
	5	Rural - Boys	15	Edlep - Public
	5	Rural - Boys	16	Hama - Private
	5	Rural - Boys	17	Hama - Public
	5	Rural - Boys	19	Homs - Public
	5	Rural - Boys	21	Lattakia - Public
	6	Rural - Mixed	2	Aleppo - Public
	6	Rural - Mixed	3	Alhassakeh - Private
	6	Rural - Mixed	4	Alhassakeh - Public
	6	Rural - Mixed	5	Alqnaitra - Public
	6	Rural - Mixed	6	Alreqa - Public
	6	Rural - Mixed	7	Alswaidah - Public
	6	Rural - Mixed	8	Damascus - Private
	6	Rural - Mixed	9	Damascus - Public
	6	Rural - Mixed	11	Deir Azour - Public
	6	Rural - Mixed	13	Daraa - Public
	6	Rural - Mixed	15	Edlep - Public

**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Syrian Arab Republic	6	Rural - Mixed	17	Hama - Public
	6	Rural - Mixed	19	Homs - Public
	6	Rural - Mixed	20	Lattakia - Private
	6	Rural - Mixed	21	Lattakia - Public
	6	Rural - Mixed	22	Tartose - Public
Thailand	1	Bangkok	1	Basic Education - Urban
	1	Bangkok	3	Private Education - Urban
	1	Bangkok	4	Private Education - Rural
	1	Bangkok	6	Higher Education - Urban
	1	Bangkok	7	Bangkok Metropolitan Administration - Urban
	2	Northern	1	Basic Education - Urban
	2	Northern	2	Basic Education - Rural
	2	Northern	3	Private Education - Urban
	2	Northern	4	Private Education - Rural
	2	Northern	5	Local Administration - Urban
	2	Northern	6	Higher Education - Urban
	3	Central	1	Basic Education - Urban
	3	Central	2	Basic Education - Rural
	3	Central	3	Private Education - Urban
	3	Central	4	Private Education - Rural
	3	Central	5	Local Administration - Urban
	3	Central	6	Higher Education - Urban
	4	Northeastern	1	Basic Education - Urban
	4	Northeastern	2	Basic Education - Rural
	4	Northeastern	3	Private Education - Urban
	4	Northeastern	4	Private Education - Rural
	4	Northeastern	5	Local Administration - Urban
	4	Northeastern	6	Higher Education - Urban
	5	Southern	1	Basic Education - Urban
	5	Southern	2	Basic Education - Rural
	5	Southern	3	Private Education - Urban
	5	Southern	4	Private Education - Rural
	5	Southern	5	Local Administration - Urban
	5	Southern	6	Higher Education - Urban
Tunisia	2	None	1	Priority Education Zone - Northeast
	2	None	2	Priority Education Zone - Northwest
	2	None	3	Priority Education Zone - Southeast
	2	None	4	Priority Education Zone - Southwest
	2	None	5	Non Priority Education Zone - Northeast
	2	None	6	Non Priority Education Zone - Northwest
	2	None	7	Non Priority Education Zone - Southeast
	2	None	8	Non Priority Education Zone - Southwest
Turkey	1	Marmara Bölgesi	1	Private
	1	Marmara Bölgesi	2	Public
	2	İç Anadolu	1	Private
	2	İç Anadolu	2	Public

**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Turkey	3	Ege Bölgesi	1	Private
	3	Ege Bölgesi	2	Public
	4	Akdeniz Bölgesi	1	Private
	4	Akdeniz Bölgesi	2	Public
	5	Karadeniz Bölgesi	1	Private
	5	Karadeniz Bölgesi	2	Public
	6	Doğu Anadolu	1	Private
	6	Doğu Anadolu	2	Public
	7	Güney Doğu Anadolu	1	Private
	7	Güney Doğu Anadolu	2	Public
Ukraine	2	Grade 8	28	None
	3	Grade 4 & Grade 8 - Town	1	Region 01
	3	Grade 4 & Grade 8 - Town	2	Region 02
	3	Grade 4 & Grade 8 - Town	3	Region 03
	3	Grade 4 & Grade 8 - Town	4	Region 04
	3	Grade 4 & Grade 8 - Town	5	Region 05
	3	Grade 4 & Grade 8 - Town	6	Region 06
	3	Grade 4 & Grade 8 - Town	7	Region 07
	3	Grade 4 & Grade 8 - Town	8	Region 08
	3	Grade 4 & Grade 8 - Town	9	Region 09
	3	Grade 4 & Grade 8 - Town	10	Region 10
	3	Grade 4 & Grade 8 - Town	11	Region 11
	3	Grade 4 & Grade 8 - Town	12	Region 12
	3	Grade 4 & Grade 8 - Town	13	Region 13
	3	Grade 4 & Grade 8 - Town	14	Region 14
	3	Grade 4 & Grade 8 - Town	15	Region 15
	3	Grade 4 & Grade 8 - Town	16	Region 16
	3	Grade 4 & Grade 8 - Town	17	Region 17
	3	Grade 4 & Grade 8 - Town	18	Region 18
	3	Grade 4 & Grade 8 - Town	19	Region 19
	3	Grade 4 & Grade 8 - Town	20	Region 20
	3	Grade 4 & Grade 8 - Town	21	Region 21
	3	Grade 4 & Grade 8 - Town	22	Region 22
	3	Grade 4 & Grade 8 - Town	23	Region 23
	3	Grade 4 & Grade 8 - Town	24	Region 24
	3	Grade 4 & Grade 8 - Town	25	Region 25
	3	Grade 4 & Grade 8 - Town	26	Region 26
	3	Grade 4 & Grade 8 - Town	27	Region 27
	4	Grade 4 & Grade 8 - Village	1	Region 01
	4	Grade 4 & Grade 8 - Village	2	Region 02
	4	Grade 4 & Grade 8 - Village	3	Region 03
	4	Grade 4 & Grade 8 - Village	4	Region 04
	4	Grade 4 & Grade 8 - Village	5	Region 05
	4	Grade 4 & Grade 8 - Village	6	Region 06
	4	Grade 4 & Grade 8 - Village	7	Region 07
	4	Grade 4 & Grade 8 - Village	8	Region 08

**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

Countries	Explicit Strata (IDSTRATE)		Implicit Strata (ISTRATI)	
	Codes	Labels	Codes	Labels
Ukraine	4	Grade 4 & Grade 8 - Village	9	Region 09
	4	Grade 4 & Grade 8 - Village	10	Region 10
	4	Grade 4 & Grade 8 - Village	11	Region 11
	4	Grade 4 & Grade 8 - Village	12	Region 12
	4	Grade 4 & Grade 8 - Village	13	Region 13
	4	Grade 4 & Grade 8 - Village	14	Region 14
	4	Grade 4 & Grade 8 - Village	15	Region 15
	4	Grade 4 & Grade 8 - Village	16	Region 16
	4	Grade 4 & Grade 8 - Village	17	Region 17
	4	Grade 4 & Grade 8 - Village	18	Region 18
	4	Grade 4 & Grade 8 - Village	19	Region 19
	4	Grade 4 & Grade 8 - Village	20	Region 20
	4	Grade 4 & Grade 8 - Village	21	Region 21
	4	Grade 4 & Grade 8 - Village	22	Region 22
	4	Grade 4 & Grade 8 - Village	23	Region 23
	4	Grade 4 & Grade 8 - Village	24	Region 24
	4	Grade 4 & Grade 8 - Village	25	Region 25
	4	Grade 4 & Grade 8 - Village	27	Region 27
	5	Grade 4 & Grade 8 - Big Village	28	None
United States	.A	Not Available	.A	Not Available
Basque Country, Spain	.A	Not Available	.A	Not Available
British Columbia, Canada	2	Grade 8	1	Public - Continuing Education
	2	Grade 8	2	Public - Standard
	2	Grade 8	3	Independent
	3	Grade 4 & Grade 8	3	Independent
	3	Grade 4 & Grade 8	4	Public
Dubai, UAE	3	Grade 8 - Indian	1	None
	4	Grade 9 Only - Non Indian	1	None
	5	Grade 4 & Grade 8 - Indian	1	None
	6	Grade 5 & Grade 9 - Non Indian	1	None
Massachusetts, US	2	None	.A	Not Available
Minnesota, US	2	None	.A	Not Available
Ontario, Canada	3	Grade 8 - English	1	Private
	3	Grade 8 - English	2	Public
	3	Grade 8 - English	3	Separate
	4	Grade 8 - French	2	Public
	4	Grade 8 - French	3	Separate
	5	Grade 4 & Grade 8 - English	1	Private
	5	Grade 4 & Grade 8 - English	2	Public
	5	Grade 4 & Grade 8 - English	3	Separate
	6	Grade 4 & Grade 8 - French	1	Private
	6	Grade 4 & Grade 8 - French	2	Public
	6	Grade 4 & Grade 8 - French	3	Separate
Quebec, Canada	3	Grade 8 - English	1	Private
	3	Grade 8 - English	2	Public
	4	Grade 8 - French	1	Private

**Exhibit S4.2: TIMSS 2007 Sampling Stratification Information - Eighth Grade (Continued)**

<b>Countries</b>	<b>Explicit Strata (IDSTRATE)</b>		<b>Implicit Strata (ISTRATI)</b>	
	<b>Codes</b>	<b>Labels</b>	<b>Codes</b>	<b>Labels</b>
Quebec, Canada	4	Grade 8 - French	2	Public
	5	Grade 4 & Grade 8 - English	1	Private
	5	Grade 4 & Grade 8 - English	2	Public
	6	Grade 4 & Grade 8 - French	1	Private
	6	Grade 4 & Grade 8 - French	2	Public





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