

TRENDS IN INTERNATIONAL MATHEMATICS AND SCIENCE STUDY

TIMSS

TIMSS 2019 User Guide for the International Database

SUPPLEMENT 2

National Adaptations of the International
Context Questionnaires



IEA

TIMSS & PIRLS
International Study Center
Lynch School of Education
BOSTON COLLEGE

SUPPLEMENT 2

National Adaptations of the International Context Questionnaires

Overview

This supplement describes national adaptations made to the international versions of the TIMSS 2019 context questionnaires. This information provides users with a guide to evaluate the availability of internationally comparable data for use in secondary analyses involving the TIMSS 2019 context variables. National adaptations to context questionnaires include questions that countries were required to adapt, questions that were not administered, and questions that countries modified to suit their national context.

This supplement is organized into sections corresponding to the TIMSS 2019 context questionnaires for which national adaptations were made:

Section 1: National Adaptations of Grade 4 Context Questionnaires

- Section 1.1: Student Questionnaire
- Section 1.2: Home Questionnaire (Early Learning Survey)
- Section 1.3: Teacher Questionnaire
- Section 1.4: School Questionnaire

Section 2: National Adaptations of Grade 8 Context Questionnaires

- Section 2.1: Student Questionnaire—General/Integrated Science Version
- Section 2.2: Student Questionnaire—Separate Science Version
- Section 2.3: Teacher Questionnaire—Mathematics and
Teacher Questionnaire—Science
- Section 2.4: School Questionnaire

For each question that was adapted in TIMSS 2019, a national entry is included if the version of the question administered was different from the international version in meaning or in context. The following information is provided:

- Question number
- Question stem and response options
- Variable name(s)
- National adaptation, listed by country.

Each national adaptation entry is assigned either code “D” or code “X,” representing the following:

- D** The question is still considered comparable to the international version, and the corresponding data are included in the international database.
- X** The corresponding data are not included in the international database. The question was not administered, not applicable, or deleted for any of several reasons (e.g., not internationally comparable, removed per country request, or other data problem).



SECTION 1.1: **STUDENT** **QUESTIONNAIRE** **GRADE 4**

TIMSS 2019 USER GUIDE FOR THE
INTERNATIONAL DATABASE



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SQG-02A-B

Question:

When were you born?

A: Month

1 = January

2 = February

3 = March

4 = April

5 = May

6 = June

7 = July

8 = August

9 = September

10 = October

11 = November

12 = December

B: Year

1 = 2006

2 = 2007

3 = 2008

4 = 2009

5 = 2010

6 = 2011

7 = 2012

8 = Other

Variable Name(s):

ASBG02B

Country	Item ID	Code	Documentation
Chinese Taipei	SQG-02B	D	Nationally defined options: 1 = The 95th year of the Republic Era (2006) 2 = The 96th year of the Republic Era (2007) 3 = The 97th year of the Republic Era (2008) 4 = The 98th year of the Republic Era (2009) 5 = The 99th year of the Republic Era (2010) 6 = The 100th year of the Republic Era (2011) 7 = The 101st year of the Republic Era (2012) 8 = Other
South Africa	SQG-02B	D	National options recoded for international comparability: 1 = 2006 2 = 2007 3 = 2008 4 = 2009 5 = 2010 6 = 2011 7 = 2012 8 = Other / 2003 / 2004 / 2005

SQG-03

Question:

How often do you speak <language of test> at home?

1 = I always speak <language of test> at home

2 = I almost always speak <language of test> at home

3 = I sometimes speak <language of test> and sometimes speak another language at home

4 = I never speak <language of test> at home

Variable Name(s): ASBG03

Country	Item ID	Code	Documentation
Azerbaijan	SQG-03	D	Russian (if ITLANG = 29) / Azerbaijani (if ITLANG = 55)
Bahrain	SQG-03	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Bosnia and Herzegovina	SQG-03	D	Bosnian language (if ITLANG = 37) / Croatian language (if ITLANG = 56) / Serbian language (if ITLANG = 69)
Canada	SQG-03	D	English (if ITLANG = 1) / French (if ITLANG = 3)
Croatia	SQG-03	D	Croatian (if ITLANG = 56) / Not administered (if ITLANG = 20)
Cyprus	SQG-03	D	Greek (if ITLANG = 44) / English (if ITLANG = 1)
Finland	SQG-03	D	Finnish (if ITLANG = 43) / Swedish (if ITLANG = 32)
Hong Kong SAR	SQG-03	D	English (if ITLANG = 1) / Chinese (including Cantonese, Putonghua, and other Chinese dialects) (if ITLANG = 10)
Hungary	SQG-03	D	Nationally defined options: 1 = I always speak Hungarian 2 = I almost always speak Hungarian 3 = Sometimes I speak Hungarian, sometimes I speak another language 4 = I never speak Hungarian

Ireland	SQG-03	D	<p>Stem of the question changed: How often do you speak either English or Irish at home?</p> <p>Nationally defined options: 1 = I always speak either English or Irish at home. 2 = I almost always speak either English or Irish at home. 3 = I sometimes speak either English or Irish and sometimes speak another language at home. 4 = I never speak either English or Irish at home.</p>
Kazakhstan	SQG-03	D	Kazakh (if ITLANG = 39) / Russian (if ITLANG = 29)
Kuwait	SQG-03	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Latvia	SQG-03	D	Latvian (if ITLANG = 21) / Russian (if ITLANG = 29)
Lithuania	SQG-03	D	Lithuanian language (if ITLANG = 22) / Polish language (if ITLANG = 27) / Russian language (if ITLANG = 29)
Netherlands	SQG-03	D	<p>Stem of the question changed: How often do you speak Dutch (or Frisian or a Dutch dialect) at home?</p>
North Macedonia	SQG-03	D	Macedonian language (if ITLANG = 23) / Albanian language (if ITLANG = 5)
Norway	SQG-03	D	<p>Nationally defined options: 1 = Always 2 = Almost always 3 = Sometimes 4 = Never</p>
Oman	SQG-03	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Pakistan	SQG-03	D	English (if ITLANG = 1) / Urdu (if ITLANG = 80) / Sindhi (if ITLANG = 81)
Qatar	SQG-03	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Saudi Arabia	SQG-03	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Slovak Republic	SQG-03	D	Slovak (if ITLANG = 30) / Hungarian (if ITLANG = 17)
South Africa	SQG-03	D	English (if ITLANG = 1) / Afrikaans (if ITLANG = 4)
Spain	SQG-03	D	Spanish (if ITLANG = 2 or 57) / Catalan (if ITLANG = 49) / Basque (if ITLANG = 51) / Valencian (if ITLANG = 52)
United Arab Emirates	SQG-03	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)

Benchmarking Participants

Ontario, Canada	SQG-03	D	English (if ITLANG = 1) / French (if ITLANG = 3)
Quebec, Canada	SQG-03	D	English (if ITLANG = 1) / French (if ITLANG = 3)
Madrid, Spain	SQG-03	D	Spanish (if ITLANG = 2 or 57) / Catalan (if ITLANG = 49) / Basque (if ITLANG = 51) / Valencian (if ITLANG = 52)
Abu Dhabi, UAE	SQG-03	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Dubai, UAE	SQG-03	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)

SQG-05A-I

Question:

Do you have any of these things at your home?

- A: A computer or tablet
- B: Study desk/table for your use
- C: Your own room
- D: Internet connection
- E: Your own mobile phone
- F: <country-specific indicator of wealth>
- G: <country-specific indicator of wealth>
- H: <country-specific indicator of wealth>
- I: <country-specific indicator of wealth>

1 = Yes

2 = No

Variable Name(s): ASBG05A, ASBG05B, ASBG05C, ASBG05D, ASBG05E, ASBG05F, ASBG05G,

Country	Item ID	Code	Documentation
Albania	SQG-05G-I	X	Option not administered or data not available
Albania	SQG-05F	D	Car
Armenia	SQG-05F-I	X	Option not administered or data not available
Australia	SQG-05F-I	X	Option not administered or data not available
Austria	SQG-05A	D	Computer or a laptop / Tablet
Austria	SQG-05E	D	Your own smartphone
Austria	SQG-05F	D	Gaming system (e.g., PlayStation®, Wii®, Xbox®)

Austria	SQG-05G	D	Musical instrument(s)
Austria	SQG-05H	D	E-book reader (e.g., Tolino®, Kindle®)
Austria	SQG-05I	X	Option not administered or data not available
Azerbaijan	SQG-05A	D	Computer or tablet (your own) (if ITLANG = 29)
Azerbaijan	SQG-05C	D	Your own room (in which you live only) (if ITLANG = 29)
Azerbaijan	SQG-05F	D	Thin-screen TV
Azerbaijan	SQG-05G	D	Microwave oven
Azerbaijan	SQG-05H	D	Dishwasher
Azerbaijan	SQG-05I	D	Massage chair
Bahrain	SQG-05F	D	Gaming system (e.g., PlayStation®, Wii®, Xbox®)
Bahrain	SQG-05G	D	Swimming pool
Bahrain	SQG-05H	D	Gym
Bahrain	SQG-05I	D	Pets
Belgium (Flemish)	SQG-05G-I	X	Option not administered or data not available
Belgium (Flemish)	SQG-05F	D	Gaming console (e.g., PlayStation, Wii or Xbox)
Bosnia and Herzegovina	SQG-05F	D	Cable TV (e.g., programs at Nickelodeon channel)
Bosnia and Herzegovina	SQG-05G	D	Educational software you could use for studying (e.g., about human body, nature, space)
Bosnia and Herzegovina	SQG-05H	D	Books that help you study (e.g., a Bosnian dictionary, an encyclopedia about the human body, mathematics, nature, space) (if ITLANG = 37) / Books that help you study (e.g., a Serbian dictionary, an encyclopedia about the human body, mathematics, nature, space) (if ITLANG = 69) / Books that help you study (e.g., a Croatian dictionary, an encyclopedia about the human body, mathematics, nature, space) (if ITLANG = 56)
Bosnia and Herzegovina	SQG-05I	D	Artwork and musical instruments (e.g., paintings, sculpture, a piano, a guitar)
Bulgaria	SQG-05G-I	X	Option not administered or data not available

Bulgaria	SQG-05F	D	Gaming system (e.g., PlayStation®, Wii®, Xbox®)
Canada	SQG-05F	D	A quiet place to study
Canada	SQG-05G	D	Books of your very own (do not count your school books)
Canada	SQG-05H	D	Books to help you with your school work (e.g., dictionary, encyclopedia)
Canada	SQG-05I	D	iPod® or MP3 player
Chile	SQG-05F	D	Domestic help service (babysitter or housekeeper, gardener, butler)
Chile	SQG-05G	D	Shower with hot water
Chile	SQG-05H	D	Dishwasher
Chile	SQG-05I	D	More than one bathroom in your house
Chinese Taipei	SQG-05F	D	At least two bedrooms are equipped with bathrooms
Chinese Taipei	SQG-05G	D	My parents have their own car for private use (not for business or public affairs).
Chinese Taipei	SQG-05H	D	Piano or violin
Chinese Taipei	SQG-05I	D	Digital camera or video camera
Croatia	SQG-05F	D	Playing system (e.g., PlayStation®, Wii®, Xbox®)
Croatia	SQG-05G	D	Own sports equipment (e.g., for skiing, tennis, skating, hockey)
Croatia	SQG-05H	D	Artwork, musical instruments (e.g., paintings, sculptures, piano, violin)
Croatia	SQG-05I	X	Option not administered or data not available
Cyprus	SQG-05F	D	Educational computer games
Cyprus	SQG-05G	D	Cable or satellite TV (e.g., Cablenet, Cytavision, LTV, Nova, Primetel)
Cyprus	SQG-05H	D	Alarm system
Cyprus	SQG-05I	D	Swimming pool
Czech Republic	SQG-05H-I	X	Option not administered or data not available

Czech Republic	SQG-05F	D	Computer or tablet of your own
Czech Republic	SQG-05G	D	An app focused on mathematics or science
Denmark	SQG-05F-I	X	Option not administered or data not available
England	SQG-05F	D	Your own television
England	SQG-05G	D	Bicycle
England	SQG-05H	D	Musical instrument (e.g., guitar, piano)
England	SQG-05I	X	Option not administered or data not available
Finland	SQG-05F	D	Game console (e.g., PlayStation®, Nintendo®, Xbox®)
Finland	SQG-05G	D	Your own computer or tablet
Finland	SQG-05H	D	Musical instrument (e.g., piano, guitar)
Finland	SQG-05I	D	Home security alarm system
France	SQG-05F	D	Books just for you (not counting your textbooks)
France	SQG-05G	D	TV in your room
France	SQG-05H	D	Dictionary
France	SQG-05I	D	Subscription to a magazine or newspaper of your choice
Georgia	SQG-05F	D	Family-owned private car
Georgia	SQG-05G	D	Dishwasher
Georgia	SQG-05H	D	Summer house
Georgia	SQG-05I	X	Option not administered or data not available
Germany	SQG-05B	D	Desk or other table only for you
Germany	SQG-05F	D	Daily newspaper
Germany	SQG-05G	D	Lawnmower
Germany	SQG-05H	D	Piano
Germany	SQG-05I	D	A person who is helping with household tasks at least once a week (cleaning aid)

Hong Kong SAR	SQG-05F	D	Car
Hong Kong SAR	SQG-05G	D	Air conditioner
Hong Kong SAR	SQG-05H	D	Domestic helper
Hong Kong SAR	SQG-05I	D	Room for domestic helper
Hungary	SQG-05F	D	Dishwasher
Hungary	SQG-05G	D	Paintings or ceramics
Hungary	SQG-05H	D	Air conditioning units
Hungary	SQG-05I	D	Ski equipment (e.g., skis, ski boots)
Iran, Islamic Rep. of	SQG-05F	D	LED TV
Iran, Islamic Rep. of	SQG-05G	D	Foreign car
Iran, Islamic Rep. of	SQG-05H	D	Computer game system (e.g., PlayStation, Xbox)
Iran, Islamic Rep. of	SQG-05I	D	Dishwasher
Ireland	SQG-05F	D	Gaming system (e.g., PlayStation®, Wii®, Xbox®)
Ireland	SQG-05G	D	Premium ("pay extra") TV channels, such as eirSport or Sky Cinema
Ireland	SQG-05H	D	Two or more cars
Ireland	SQG-05I	D	TV in your bedroom
Italy	SQG-05F	D	Alarm system
Italy	SQG-05G	D	Clothes dryer
Italy	SQG-05H	D	Whirlpool bath
Italy	SQG-05I	D	Air conditioning system
Japan	SQG-05F	D	Calculator
Japan	SQG-05G	D	Book or puzzle related to mathematics (except textbook, dictionary, or workbook)
Japan	SQG-05H	D	Astronomical telescope

Japan	SQG-05I	D	Pictorial book of plants
Kazakhstan	SQG-05F	D	Home cinema
Kazakhstan	SQG-05G	D	Digital photo or video camera
Kazakhstan	SQG-05H	D	Dishwasher
Kazakhstan	SQG-05I	D	Car
Korea, Rep. of	SQG-05F-I	X	Option not administered or data not available
Kosovo	SQG-05G-I	X	Option not administered or data not available
Kosovo	SQG-05F	D	Car
Kuwait	SQG-05G-I	X	Option not administered or data not available
Kuwait	SQG-05A	D	Computer or your own tablet (e.g., iPad)
Kuwait	SQG-05F	D	Video games (e.g., Xbox, PlayStation, Wii, and other)
Latvia	SQG-05F	D	Your own bicycle
Latvia	SQG-05G	D	Encyclopedias
Latvia	SQG-05H	D	Works of art (e.g., paintings)
Latvia	SQG-05I	X	Option not administered or data not available
Lithuania	SQG-05E	D	Your own mobile phone (smartphone)
Lithuania	SQG-05F	D	E-book reader
Lithuania	SQG-05G	D	Electric scooter or hoverboard
Lithuania	SQG-05H	D	Musical instruments (e.g., violin, piano)
Lithuania	SQG-05I	X	Option not administered or data not available
Malta	SQG-05F	D	Swimming pool
Malta	SQG-05G	D	Summer residence
Malta	SQG-05H	D	Yacht or sailing boat
Malta	SQG-05I	X	Option not administered or data not available
Montenegro	SQG-05F	D	Cable TV

Montenegro	SQG-05G	D	Educational software you could use for studying (e.g., about human body, nature, space)
Montenegro	SQG-05H	D	Books that help you study (e.g., dictionaries, encyclopedias)
Montenegro	SQG-05I	D	Artwork and musical instruments (e.g., paintings, sculptures, a piano, a guitar)
Morocco	SQG-05F	D	Video games or computer
Morocco	SQG-05G	D	Private TV
Morocco	SQG-05H	D	Valuable wristwatch
Morocco	SQG-05I	D	Clothing with international brand names
Netherlands	SQG-05F-I	X	Option not administered or data not available
New Zealand	SQG-05F	D	Gaming system (e.g., PlayStation®, Wii®, Xbox®)
New Zealand	SQG-05G	D	Musical instruments (e.g., piano, violin, guitar)
New Zealand	SQG-05H	D	Clothes dryer
New Zealand	SQG-05I	D	Dishwasher
North Macedonia	SQG-05F	D	Washing machine
North Macedonia	SQG-05G	D	Dishwasher
North Macedonia	SQG-05H	D	DVD recorder
North Macedonia	SQG-05I	D	Car
Northern Ireland	SQG-05A	D	Laptop or tablet in your home
Northern Ireland	SQG-05B	D	Study desk or table for your use in your home
Northern Ireland	SQG-05C	D	A bedroom just for you
Northern Ireland	SQG-05D	D	Internet or Wi-Fi in your home
Northern Ireland	SQG-05F	D	Someone who is paid to clean your house or flat
Northern Ireland	SQG-05G	D	A holiday away from home, at least one week a year with family
Northern Ireland	SQG-05H	D	Friends around for tea or a snack once every two weeks

Northern Ireland	SQG-05I	D	A meal out with family at least once a month
Norway	SQG-05H-I	X	Option not administered or data not available
Norway	SQG-05F	D	Alarm
Norway	SQG-05G	D	Garage
Oman	SQG-05F	D	Gaming system (e.g., PlayStation®, Wii®, Xbox®)
Oman	SQG-05G	D	Smart TV such as LED
Oman	SQG-05H	D	Musical instruments
Oman	SQG-05I	D	Learning games
Pakistan	SQG-05F	D	TV or cable
Pakistan	SQG-05G	D	Motorcycle
Pakistan	SQG-05H	D	Video games
Pakistan	SQG-05I	D	Car
Philippines	SQG-05F	D	Air conditioning unit
Philippines	SQG-05G	D	Television
Philippines	SQG-05H	D	Means of transportation (motorcycle, tricycle, jeepney, car, etc.)
Philippines	SQG-05I	X	Option not administered or data not available
Poland	SQG-05H-I	X	Option not administered or data not available
Poland	SQG-05A	D	Computer or tablet just for you / Computer or tablet that you share with other household members
Poland	SQG-05E	D	Your own smartphone or mobile phone
Poland	SQG-05F	D	Gaming system
Poland	SQG-05G	D	DVD or Blu-ray in your room
Portugal	SQG-05F	D	Game console (ex., PlayStation, Wii, Xbox)
Portugal	SQG-05G	D	Dishwasher

Portugal	SQG-05H	D	Television with LCD or 3D screen
Portugal	SQG-05I	D	Air conditioning
Qatar	SQG-05F	D	MP3 or MP4 player
Qatar	SQG-05G	D	Television in your room
Qatar	SQG-05H	D	Private house maid
Qatar	SQG-05I	D	Private car driver
Russian Federation	SQG-05F	D	Musical instruments (as guitar, piano)
Russian Federation	SQG-05G	D	Car (one or more)
Russian Federation	SQG-05H	D	A flat (or house) with 4 or more rooms
Russian Federation	SQG-05I	D	Dishwasher
Saudi Arabia	SQG-05G-I	X	Option not administered or data not available
Saudi Arabia	SQG-05F	D	Video game console (e.g., PlayStation, Xbox or Wii)
Serbia	SQG-05F	D	Cable TV (e.g., programs at Nickelodeon channel)
Serbia	SQG-05G	D	Educational software you could use for studying (e.g., about human body, nature, space)
Serbia	SQG-05H	D	Books that help you study (e.g., a Serbian dictionary, an encyclopedia about the human body, mathematics, nature, and space)
Serbia	SQG-05I	D	Artwork and musical instruments (e.g., paintings, sculptures, a piano, a guitar)
Singapore	SQG-05F	D	Car
Singapore	SQG-05G	D	Domestic help (e.g., maid)
Singapore	SQG-05H	D	Air-conditioner
Singapore	SQG-05I	D	Your own digital media player (e.g., MP3 or DVD player, iPod)
Slovak Republic	SQG-05A	D	Do you have a computer or tablet?
Slovak Republic	SQG-05B	D	Do you have your own desk?
Slovak Republic	SQG-05F	D	E-book reader

Slovak Republic	SQG-05G	D	Your own computer or tablet
Slovak Republic	SQG-05H	D	Computer educational programs (e.g., about the human body, space, nature)
Slovak Republic	SQG-05I	D	Car
South Africa	SQG-05F	D	Dictionary
South Africa	SQG-05G	D	Electricity
South Africa	SQG-05H	D	Running tap water
South Africa	SQG-05I	D	Hot running water from a geyser
Spain	SQG-05G-I	X	Option not administered or data not available
Spain	SQG-05F	D	Gaming console (for example, PlayStation®, Wii®, Xbox®)
Sweden	SQG-05F	D	Globe
Sweden	SQG-05G	D	Piano
Sweden	SQG-05H	D	Any musical instrument other than piano
Sweden	SQG-05I	X	Option not administered or data not available
Turkey	SQG-05F	D	Central heating
Turkey	SQG-05G	D	Air conditioning
Turkey	SQG-05H	D	Washing machine
Turkey	SQG-05I	D	Dishwasher
United Arab Emirates	SQG-05F	D	Gaming system (e.g., PlayStation®, Wii®, Xbox®)
United Arab Emirates	SQG-05G	D	Smartphone
United Arab Emirates	SQG-05H	D	Luxury watch (e.g., Rolex, Chopard, or Cartier)
United Arab Emirates	SQG-05I	D	Luxury car (e.g., Bentley, Rolls-Royce, or Maserati)
United States	SQG-05H-I	X	Option not administered or data not available
United States	SQG-05F	D	Gaming system (e.g., PlayStation, Wii, Xbox)
United States	SQG-05G	D	VCR, DVD, or Blu-ray player

Benchmarking Participants

Ontario, Canada	SQG-05F	D	A quiet place to study
Ontario, Canada	SQG-05G	D	Books of your very own (do not count your school books)
Ontario, Canada	SQG-05H	D	Books to help you with your school work (e.g., dictionary, encyclopedia)
Ontario, Canada	SQG-05I	D	iPod® or MP3 player
Quebec, Canada	SQG-05F	D	A quiet place to study
Quebec, Canada	SQG-05G	D	Books of your very own (do not count your school books)
Quebec, Canada	SQG-05H	D	Books to help you with your school work (e.g., dictionary, encyclopedia)
Quebec, Canada	SQG-05I	D	iPod® or MP3 player
Moscow City, Russian Fed.	SQG-05F-I	X	Option not administered or data not available
Madrid, Spain	SQG-05G-I	X	Option not administered or data not available
Madrid, Spain	SQG-05F	D	Gaming console (for example, PlayStation®, Wii®, Xbox®)
Abu Dhabi, UAE	SQG-05F	D	Gaming system (e.g., PlayStation®, Wii®, Xbox®)
Abu Dhabi, UAE	SQG-05G	D	Smartphone
Abu Dhabi, UAE	SQG-05H	D	Luxury watch (e.g., Rolex, Chopard, or Cartier)
Abu Dhabi, UAE	SQG-05I	D	Luxury car (e.g., Bentley, Rolls-Royce, or Maserati)
Dubai, UAE	SQG-05F	D	Gaming system (e.g., PlayStation®, Wii®, Xbox®)
Dubai, UAE	SQG-05G	D	Smartphone
Dubai, UAE	SQG-05H	D	Luxury watch (e.g., Rolex, Chopard, or Cartier)
Dubai, UAE	SQG-05I	D	Luxury car (e.g., Bentley, Rolls-Royce, or Maserati)

SQG-06A-B

Question:

The following question is about your <Parent/Guardian A> and <Parent/Guardian B>. <If you have only one parent/guardian, answer for Parent/Guardian A. If you have two parents/guardians, choose one for Parent/Guardian A and the other for Parent/Guardian B.>

Were your <parents/guardians> born in <country>?

A: <Parent/Guardian A>

B: <Parent/Guardian B>

1 = Yes

2 = No

3 = I don't know

4 = Not applicable

Variable Name(s): ASBG06A, ASBG06B

Country	Item ID	Code	Documentation
Albania	SQG-06A	D	Father
Albania	SQG-06B	D	Mother
Armenia	SQG-06A	D	Father or guardian
Armenia	SQG-06B	D	Mother or guardian
Austria	SQG-06A	D	Mother
Austria	SQG-06B	D	Father
Azerbaijan	SQG-06A	D	Parent or Guardian 1
Azerbaijan	SQG-06B	D	Parent or Guardian 2
Bosnia and Herzegovina	SQG-06A	D	Mother or guardian
Bosnia and Herzegovina	SQG-06B	D	Father or guardian
Bulgaria	SQG-06A-B	D	Stem of the question changed: Was your mother or stepmother or female guardian born in Bulgaria? Was your father or stepfather or male guardian born in Bulgaria?

Chile	SQG-06A	D	Mother or Guardian A
Chile	SQG-06B	D	Father or Guardian B
Chinese Taipei	SQG-06A	D	Father (stepfather or male guardian)
Chinese Taipei	SQG-06B	D	Mother (stepmother or female guardian)
Croatia	SQG-06A	D	Mother (stepmother or female guardian)
Croatia	SQG-06B	D	Father (stepfather or male guardian)
Cyprus	SQG-06A	D	Father
Cyprus	SQG-06B	D	Mother
Czech Republic	SQG-06A	D	Mother (or stepmother or female guardian)
Czech Republic	SQG-06B	D	Father (or stepfather or male guardian)
Denmark	SQG-06A	D	Mother (stepmother or female guardian)
Denmark	SQG-06B	D	Father (stepfather or male guardian)
England	SQG-06A	D	Mother (or stepmother or female guardian)
England	SQG-06B	D	Father (or stepfather or male guardian)
Finland	SQG-06A	D	Mother, stepmother, female guardian or Guardian A
Finland	SQG-06B	D	Father, stepfather, male guardian or Guardian B
France	SQG-06A	D	Mother (stepmother or guardian)
France	SQG-06B	D	Father (stepfather)
Georgia	SQG-06A	D	Mother or female guardian
Georgia	SQG-06B	D	Father or male guardian
Germany	SQG-06A-B	D	Stem of the question changed: Was your mother (or stepmother or legal guardian) born in Germany? / Was your father (or stepfather or legal guardian) born in Germany?
Hong Kong SAR	SQG-06A	D	Mother or female guardian
Hong Kong SAR	SQG-06B	D	Father or male guardian

Hungary	SQG-06A	D	Your mother (or your stepmother or your foster mother)
Hungary	SQG-06B	D	Your father (or your stepfather or your foster father)
Iran, Islamic Rep. of	SQG-06A	D	Mother (stepmother or female caregiver)
Iran, Islamic Rep. of	SQG-06B	D	Father (stepfather or male caregiver)
Ireland	SQG-06A	D	Parent or Guardian A (for example, your mother)
Ireland	SQG-06B	D	Parent or Guardian B (for example, your father)
Japan	SQG-06A	D	Mother (female guardian)
Japan	SQG-06B	D	Father (male guardian)
Kazakhstan	SQG-06A	D	Father or guardian
Kazakhstan	SQG-06B	D	Mother or guardian
Korea, Rep. of	SQG-06A	D	Father (or male guardian)
Korea, Rep. of	SQG-06B	D	Mother (or female guardian)
Kosovo	SQG-06A	D	Father
Kosovo	SQG-06B	D	Mother
Kuwait	SQG-06A	D	Father or guardian
Kuwait	SQG-06B	D	Mother or guardian
Latvia	SQG-06A	D	Parent or guardian (if ITLANG = 21) / Mother or guardian (if ITLANG = 29)
Latvia	SQG-06B	D	Parent or guardian (if ITLANG = 21) / Father or guardian (if ITLANG = 29)
Lithuania	SQG-06A	D	Mother (guardian)
Lithuania	SQG-06B	D	Father (guardian)
Montenegro	SQG-06A	D	Mother or guardian
Montenegro	SQG-06B	D	Father or guardian
Morocco	SQG-06A	D	Your father or guardian
Morocco	SQG-06B	D	Your mother or guardian

Netherlands	SQG-06A-B	D	Stem of the question changed: The following question is about your parents. These could also be stepparents or foster parents. If you have one parent, you only have to fill in this question for parent 1. If you have two parents, then fill in this question for both parent 1 and parent 2.
Netherlands	SQG-06A	D	Parent 1
Netherlands	SQG-06B	D	Parent 2
Norway	SQG-06A	D	Mother (or female guardian)
Norway	SQG-06B	D	Father (or male guardian)
Oman	SQG-06A	D	Mother or female guardian
Oman	SQG-06B	D	Father or male guardian
Pakistan	SQG-06A	D	Father or guardian (if ITLANG = 1) / Parent or guardian (if ITLANG = 80 or 81)
Pakistan	SQG-06B	D	Mother and guardian (if ITLANG = 1) / Parent and guardian (if ITLANG = 80 or 81)
Philippines	SQG-06A	D	Father or Guardian A
Philippines	SQG-06B	D	Mother or Guardian B
Poland	SQG-06A	D	Father or stepfather or guardian
Poland	SQG-06B	D	Mother or stepmother or guardian
Portugal	SQG-06A	D	Mother (or legal guardian)
Portugal	SQG-06B	D	Father (or legal guardian)
Qatar	SQG-06A-B	D	Stem of the question changed: The following question is about your father or male guardian and mother or female guardian. If you have only one parent or guardian answer for your father or male guardian or mother or female guardian. If you have two parents or guardians, answer for both.
Russian Federation	SQG-06A-B	D	Stem of the question changed: The next question is about your parents (or people replacing them). Were your parents or guardians born in Russia?

Russian Federation	SQG-06A	D	Mother (or female guardian)
Russian Federation	SQG-06B	D	Father (or male guardian)
Serbia	SQG-06A	D	Mother or guardian
Serbia	SQG-06B	D	Father or guardian
Singapore	SQG-06A	D	Mother or female guardian
Singapore	SQG-06B	D	Father or male guardian
Slovak Republic	SQG-06A	D	Mother or legal representative
Slovak Republic	SQG-06B	D	Father or legal representative
South Africa	SQG-06A-B	D	Stem of the question changed: Was your mother (or stepmother or female guardian) born in South Africa? / Was your father (or stepfather or male guardian) born in South Africa?
Spain	SQG-06A	D	Father, mother or legal guardian A
Spain	SQG-06B	D	Father, mother or legal guardian B
Sweden	SQG-06A	D	Mother (or other guardian)
Sweden	SQG-06B	D	Father (or other guardian)
Turkey	SQG-06A	D	Your mother
Turkey	SQG-06B	D	Your father
United Arab Emirates	SQG-06A	D	Father or male guardian
United Arab Emirates	SQG-06B	D	Mother or female guardian

Benchmarking Participants

Moscow City, Russian Fed.	SQG-06A-B	D	Stem of the question changed: Were your parents or guardians born in Russia?
Moscow City, Russian Fed.	SQG-06A	D	Mother (or female guardian)
Moscow City, Russian Fed.	SQG-06B	D	Father (or male guardian)
Madrid, Spain	SQG-06A	D	Father, mother or legal guardian A
Madrid, Spain	SQG-06B	D	Father, mother or legal guardian B

Abu Dhabi, UAE	SQG-06A	D	Father or male guardian
Abu Dhabi, UAE	SQG-06B	D	Mother or female guardian
Dubai, UAE	SQG-06A	D	Father or male guardian
Dubai, UAE	SQG-06B	D	Mother or female guardian

SQG-08

Question:

About how often are you absent from school?

- 1 = Once a week
- 2 = Once every two weeks
- 3 = Once a month
- 4 = Once every two months
- 5 = Never or almost never

Variable Name(s): ASBG08

Country	Item ID	Code	Documentation
Germany	SQG-08	D	Nationally defined options: 1 = Once a week or more often 2 = Once every two weeks 3 = Once a month 4 = Once every two months 5 = Never or almost never
Lithuania	SQG-08	D	Nationally defined options: 1 = Once a week 2 = Once every two weeks 3 = Once a month 4 = Once every two months 5 = I always or almost always go to school
Netherlands	SQG-08	D	Stem of the question changed: About how often are you absent from school (for example because you are ill)?

SQG-11A-K

Question:

During this school year, how often have other students from your school done any of the following things to you, including through texting or the Internet?

- A: Made fun of me or called me names
- B: Left me out of their games or activities
- C: Spread lies about me
- D: Stole something from me
- E: Damaged something of mine on purpose
- F: Hit or hurt me (e.g., shoving, hitting, kicking)
- G: Made me do things I didn't want to do
- H: Sent me nasty or hurtful messages online
- I: Shared nasty or hurtful things about me online
- J: Shared embarrassing photos of me online
- K: Threatened me

- 1 = At least once a week
- 2 = Once or twice a month
- 3 = A few times a year
- 4 = Never

Variable Name(s): ASBG11A, ASBG11B, ASBG11C, ASBG11D, ASBG11E, ASBG11F, ASBG11G,

Country	Item ID	Code	Documentation
Netherlands	SQG-11A-K	D	Stem of the question changed: During this school year, how often have other students from your school done any of the following things to you, including through texting or the Internet (such as via Facebook, WhatsApp, or email)?
New Zealand	SQG-11I	D	Shared nasty or hurtful things about me online or by text
Norway	SQG-11H	D	Sent me nasty or hurtful messages online (e.g., SMS, Snapchat)
Norway	SQG-11I	D	Shared nasty or hurtful things about me online (e.g., Snapchat)
Norway	SQG-11J	D	Shared embarrassing photos of me online (e.g., Snapchat)
Slovak Republic	SQG-11A	D	Made fun of me or swore at me

SQMS-01

Question:

In mathematics lessons, how often do you work problems on your own?

- 1 = Every or almost every lesson
- 2 = About half the lessons
- 3 = Some lessons
- 4 = Never

Variable Name(s): ASBM01

Country	Item ID	Code	Documentation
Croatia	SQMS-01	D	Stem of the question changed: In mathematics lessons, how often do you solve tasks with words on your own?

SQMS-02A-I

Question:

How much do you agree with these statements about learning mathematics?

- A: I enjoy learning mathematics
- B: I wish I did not have to study mathematics
- C: Mathematics is boring
- D: I learn many interesting things in mathematics
- E: I like mathematics
- F: I like any schoolwork that involves numbers
- G: I like to solve mathematics problems
- H: I look forward to mathematics lessons
- I: Mathematics is one of my favorite subjects

- 1 = Agree a lot
- 2 = Agree a little
- 3 = Disagree a little
- 4 = Disagree a lot

Variable Name(s): ASBM02A, ASBM02B, ASBM02C, ASBM02D, ASBM02E, ASBM02F, ASBM02G,

Country	Item ID	Code	Documentation
Croatia	SQMS-02G	D	I like to solve tasks with words.

SQMS-03A-F

Question:

How much do you agree with these statements about your mathematics lessons?

- A: I know what my teacher expects me to do
- B: My teacher is easy to understand
- C: My teacher has clear answers to my questions
- D: My teacher is good at explaining mathematics
- E: My teacher does a variety of things to help us learn
- F: My teacher explains a topic again when we don't understand

- 1 = Agree a lot
- 2 = Agree a little
- 3 = Disagree a little
- 4 = Disagree a lot

Variable Name(s): ASBM03A, ASBM03B, ASBM03C, ASBM03D, ASBM03E, ASBM03F

Country	Item ID	Code	Documentation
Montenegro	SQMS-03F	D	My teacher explains a topic to us until we understand it.
Serbia	SQMS-03F	D	My teacher explains a topic to us until we understand it.

SQMS-04A-F

Question:

How often do these things happen in your mathematics lessons?

- A: Students don't listen to what the teacher says
- B: There is disruptive noise
- C: It is too disorderly for students to work well
- D: My teacher has to wait a long time for students to quiet down
- E: Students interrupt the teacher
- F: My teacher has to keep telling us to follow the classroom rules

- 1 = Every or almost every lesson
- 2 = About half the lessons
- 3 = Some lessons
- 4 = Never

Variable Name(s): ASBM04A, ASBM04B, ASBM04C, ASBM04D, ASBM04E, ASBM04F

Country	Item ID	Code	Documentation
Bulgaria	SQMS-04A	D	We don't listen to what the teacher says.
Bulgaria	SQMS-04C	D	We can't work well, because someone ruins the discipline.
Bulgaria	SQMS-04D	D	My teacher has to wait a long time for us to quiet down.
Bulgaria	SQMS-04E	D	We interrupt the teacher.
New Zealand	SQMS-04C	D	It is too distracting for students to work well.
Singapore	SQMS-04A-F	X	Question not administered or data not available
Slovak Republic	SQMS-04B	D	There is too much noise.
Slovak Republic	SQMS-04C	D	There is too much chaos for students to work well.
South Africa	SQMS-04B	D	It is too noisy.

SQMS-05A-I

Question:

How much do you agree with these statements about mathematics?

- A: I usually do well in mathematics
- B: Mathematics is harder for me than for many of my classmates
- C: I am just not good at mathematics
- D: I learn things quickly in mathematics
- E: Mathematics makes me nervous
- F: I am good at working out difficult mathematics problems
- G: My teacher tells me I am good at mathematics
- H: Mathematics is harder for me than any other subject
- I: Mathematics makes me confused

- 1 = Agree a lot
- 2 = Agree a little
- 3 = Disagree a little
- 4 = Disagree a lot

Variable Name(s): ASBM05A, ASBM05B, ASBM05C, ASBM05D, ASBM05E, ASBM05F, ASBM05G,

Country	Item ID	Code	Documentation
Croatia	SQMS-05A	D	I mostly get good grades in mathematics.
Japan	SQMS-05A-I	D	Stem of the question changed: What do you think about mathematics?

SQMS-06

Question:

In science lessons, how often does your teacher ask you to conduct science experiments?

- 1 = At least once a week
- 2 = Once or twice a month
- 3 = A few times a year
- 4 = Never

Variable Name(s): ASBS06

Country	Item ID	Code	Documentation
Russian Federation	SQMS-06	D	Stem of the question changed: How often does your teacher ask you to conduct "surrounding world" experiments?
Serbia	SQMS-06	D	Question instruction added: When we use the term science, we refer to the content you learn about nature within school subject Nature and Society.

Benchmarking Participants

Moscow City, Russian Fed.	SQMS-06	D	Stem of the question changed: In "surrounding world" lessons, how often does your teacher ask you to conduct science experiments?
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SQMS-07A-I

Question:

How much do you agree with these statements about learning science?

- A: I enjoy learning science
- B: I wish I did not have to study science
- C: Science is boring
- D: I learn many interesting things in science
- E: I like science
- F: I look forward to learning science in school
- G: Science teaches me how things in the world work
- H: I like to do science experiments
- I: Science is one of my favorite subjects

- 1 = Agree a lot
- 2 = Agree a little
- 3 = Disagree a little
- 4 = Disagree a lot

Variable Name(s): ASBS07A, ASBS07B, ASBS07C, ASBS07D, ASBS07E, ASBS07F, ASBS07G,

Country	Item ID	Code	Documentation
Bosnia and Herzegovina	SQMS-07A-I	D	Question instruction added: When we use the term science, we think about the content you learn within school subject Nature and Society or subject with similar name.
Croatia	SQMS-07C	D	Nature and Society is a boring subject.
Montenegro	SQMS-07A-I	D	Question instruction added: When we use the term science, we think about the content you learn about nature within school subject Nature.
Slovak Republic	SQMS-07F	D	I look forward to science classes.

SQMS-08A-F

Question:

How much do you agree with these statements about your science lessons?

- A: I know what my teacher expects me to do
- B: My teacher is easy to understand
- C: My teacher has clear answers to my questions
- D: My teacher is good at explaining science
- E: My teacher does a variety of things to help us learn
- F: My teacher explains a topic again when we don't understand

- 1 = Agree a lot
- 2 = Agree a little
- 3 = Disagree a little
- 4 = Disagree a lot

Variable Name(s): ASBS08A, ASBS08B, ASBS08C, ASBS08D, ASBS08E, ASBS08F

Country	Item ID	Code	Documentation
Montenegro	SQMS-08F	D	My teacher explains a topic to us until we understand it.
Serbia	SQMS-08F	D	My teacher explains a topic to us until we understand it.

SQMS-09A-G

Question:

How much do you agree with these statements about science?

A: I usually do well in science

B: Science is harder for me than for many of my classmates

C: I am just not good at science

D: I learn things quickly in science

E: My teacher tells me I am good at science

F: Science is harder for me than any other subject

G: Science makes me confused

1 = Agree a lot

2 = Agree a little

3 = Disagree a little

4 = Disagree a lot

Variable Name(s):

ASBS09A, ASBS09B, ASBS09C, ASBS09D, ASBS09E, ASBS09F, ASBS09G

Country	Item ID	Code	Documentation
Croatia	SQMS-09A	D	I mostly get good grades in science.



SECTION 1.2: **HOME QUESTIONNAIRE** **(EARLY LEARNING SURVEY)** **GRADE 4**

TIMSS 2019 USER GUIDE FOR THE
INTERNATIONAL DATABASE



IEA

TIMSS & PIRLS
International Study Center
Lynch School of Education
BOSTON COLLEGE

HQ-01A-R

Question:

Before your child began primary/elementary school, how often did you or someone else in your home do the following activities with him or her?

- A: Read books
- B: Tell stories
- C: Sing songs
- D: Play with alphabet toys (e.g., blocks with letters of the alphabet)
- E: Talk about things you had done
- F: Talk about what you had read
- G: Play word games
- H: Write letters or words
- I: Read aloud signs and labels
- J: Say counting rhymes or sing counting songs
- K: Play with number toys (e.g., blocks with numbers)
- L: Count different things
- M: Play games involving shapes (e.g., shape sorting toys, puzzles)
- N: Play with building blocks or construction toys
- O: Play board or card games
- P: Write numbers
- Q: Draw shapes
- R: Measure or weigh things (e.g., when cooking)

1 = Often

2 = Sometimes

3 = Never or almost never

Variable Name(s): ASBH01A, ASBH01B, ASBH01C, ASBH01D, ASBH01E, ASBH01F, ASBH01G, ASBH01H, ASBH01I, ASBH01J, ASBH01K, ASBH01L, ASBH01M, ASBH01N,

Country	Item ID	Code	Documentation
Austria	HQ-01G	D	Play word games (e.g., rhymes, tongue twister)
Chinese Taipei	HQ-01G	D	Play word games (e.g., answering riddles, word-connection game)
Ireland	HQ-01A-R	D	Stem of the question changed: Before your child started First Class, how often did you or someone else in your home do the following activities with him or her?
Norway	HQ-01N	D	Play with building blocks or construction toys including Lego

HQ-03A-F

Question:

What language did your child speak before he/she began school?

A: <language of test>

B: <country-specific>

C: <country-specific>

D: <country-specific>

E: <country-specific>

F: Other

1 = Yes

2 = No

Variable Name(s): ASBH03A, ASBH03B, ASBH03C, ASBH03D, ASBH03E, ASBH03F

Country	Item ID	Code	Documentation
Albania	HQ-03B	D	English
Albania	HQ-03C	D	French
Albania	HQ-03D	D	Italian
Albania	HQ-03E	D	Greek
Armenia	HQ-03D-E	X	Option not administered or data not available
Armenia	HQ-03B	D	Russian
Armenia	HQ-03C	D	English
Austria	HQ-03B	D	Turkish
Austria	HQ-03C	D	Romanian
Austria	HQ-03D	D	Bosnian or Croatian or Serbian
Austria	HQ-03E	D	English
Austria	HQ-03F	D	Albanian / Arabic / Macedonian / Polish / Slovak / Slovenian / Czech / Hungarian / Other language
Azerbaijan	HQ-03A	D	Russian (if ITLANG = 29) / Azerbaijani (if ITLANG = 55)

Azerbaijan	HQ-03B	D	Azerbaijani (if ITLANG = 29) / Lezghin (if ITLANG = 55)
Azerbaijan	HQ-03C	D	Talish
Azerbaijan	HQ-03D	D	Lezghin (if ITLANG = 29) / Russian (if ITLANG = 55)
Azerbaijan	HQ-03E	D	Georgian
Bahrain	HQ-03A	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Bahrain	HQ-03B	D	Arabic (if ITLANG = 1) / English (if ITLANG = 53)
Bahrain	HQ-03C	D	Persian
Bahrain	HQ-03D	D	Indian
Bahrain	HQ-03E	D	Pakistani
Belgium (Flemish)	HQ-03B	D	French
Belgium (Flemish)	HQ-03C	D	Turkish
Belgium (Flemish)	HQ-03D	D	Arabic
Belgium (Flemish)	HQ-03E	D	English
Belgium (Flemish)	HQ-03F	D	Kurdish / Berber / Polish / Romanian / Bulgarian / Other
Bosnia and Herzegovina	HQ-03E-F	X	Option not administered or data not available
Bosnia and Herzegovina	HQ-03A	D	Bosnian language (if ITLANG = 37) / Croatian language (if ITLANG = 56) / Serbian language (if ITLANG = 69)
Bosnia and Herzegovina	HQ-03B	D	Bosnian language (if ITLANG = 56 or 69) / Serbian language (if ITLANG = 37)
Bosnia and Herzegovina	HQ-03C	D	Croatian language (if ITLANG = 37 or 69) / Serbian language (if ITLANG = 56)
Bulgaria	HQ-03D-E	X	Option not administered or data not available
Bulgaria	HQ-03B	D	Turkish language
Bulgaria	HQ-03C	D	Roma language
Canada	HQ-03C-E	X	Option not administered or data not available
Canada	HQ-03A	D	English (if ITLANG = 1) / French (if ITLANG = 3)

Canada	HQ-03B	D	French (if ITLANG = 1) / English (if ITLANG = 3)
Chile	HQ-03B-E	X	Option not administered or data not available
Chinese Taipei	HQ-03B	D	Taiwanese language (Fukien)
Chinese Taipei	HQ-03C	D	Hakka
Chinese Taipei	HQ-03D	D	Aboriginal language
Chinese Taipei	HQ-03E	D	English or American English
Croatia	HQ-03A	D	Croatian (if ITLANG = 56) / Italian (if ITLANG = 20)
Croatia	HQ-03B	D	Serbian language
Croatia	HQ-03C	D	Croatian (if ITLANG = 56) / Italian (if ITLANG = 20)
Croatia	HQ-03D	D	Hungarian language
Croatia	HQ-03E	D	Czech language
Cyprus	HQ-03A	D	Greek (if ITLANG = 44) / English (if ITLANG = 1)
Cyprus	HQ-03B	D	English (if ITLANG = 44) / Greek (if ITLANG = 1)
Cyprus	HQ-03C	D	Russian
Cyprus	HQ-03D	D	Bulgarian
Cyprus	HQ-03E	D	Romanian
Czech Republic	HQ-03B	D	Slovak
Czech Republic	HQ-03C	D	Romani
Czech Republic	HQ-03D	D	Russian
Czech Republic	HQ-03E	D	Ukrainian
Czech Republic	HQ-03F	D	Vietnamese / Other
Denmark	HQ-03B	D	Turkish
Denmark	HQ-03C	D	Arabic
Denmark	HQ-03D	D	Serbo-Croatian or Bosnian
Denmark	HQ-03E	D	Punjabi

Denmark	HQ-03F	D	Norwegian or Swedish / Polish / Other
Finland	HQ-03A	D	Swedish (if ITLANG = 32) / Finnish (if ITLANG = 43)
Finland	HQ-03B	D	Finnish (if ITLANG = 32) / Swedish (if ITLANG = 43)
Finland	HQ-03C	D	Sami
Finland	HQ-03D	D	Romany
Finland	HQ-03E	D	Russian
France	HQ-03B	D	Arabic
France	HQ-03C	D	Another language of Africa
France	HQ-03D	D	Portuguese
France	HQ-03E	D	Turkish
Georgia	HQ-03B	D	Russian
Georgia	HQ-03C	D	Armenian
Georgia	HQ-03D	D	Azeri
Georgia	HQ-03E	D	English
Germany	HQ-03B	D	Turkish
Germany	HQ-03C	D	Polish
Germany	HQ-03D	D	Arabic
Germany	HQ-03E	D	Italian
Germany	HQ-03F	D	Romanian / Other
Hong Kong SAR	HQ-03A	D	English (if ITLANG = 1) / Cantonese (if ITLANG = 10)
Hong Kong SAR	HQ-03B	D	Cantonese (if ITLANG = 1) / English (if ITLANG = 10)
Hong Kong SAR	HQ-03C	D	Putonghua (Mandarin)
Hong Kong SAR	HQ-03D	D	Other Chinese dialects (e.g., Chiuchow dialect, Hokkien dialect, etc.)
Hong Kong SAR	HQ-03E	D	Other Asian languages (e.g., Indian, Indonesian, Thai, etc.)

Hungary	HQ-03B-E	X	Option not administered or data not available
Iran, Islamic Rep. of	HQ-03B	D	Turkish
Iran, Islamic Rep. of	HQ-03C	D	Kurdish
Iran, Islamic Rep. of	HQ-03D	D	Arabic
Iran, Islamic Rep. of	HQ-03E	D	Balouchi
Ireland	HQ-03A-F	D	Stem of the question changed: What language did your child speak before he or she started First Class?
Ireland	HQ-03A	D	English
Ireland	HQ-03B	D	Irish
Ireland	HQ-03C	D	Polish
Ireland	HQ-03D	D	French
Ireland	HQ-03E	D	Romanian
Italy	HQ-03B	D	Another language officially recognized in Italy (e.g., Ladino in Alto Adige, French in Val d'Aosta)
Italy	HQ-03C	D	A dialect
Italy	HQ-03D	D	Another language of a country in the European Union
Italy	HQ-03E	D	Another language (e.g., Albanian, Arabic, Chinese etc.)
Italy	HQ-03F	X	Option not administered or data not available
Japan	HQ-03B	D	English
Japan	HQ-03C	D	Chinese
Japan	HQ-03D	D	Korean
Japan	HQ-03E	D	Portuguese
Kazakhstan	HQ-03A	D	Kazakh (if ITLANG = 39) / Russian (if ITLANG = 29)
Kazakhstan	HQ-03B	D	Russian (if ITLANG = 39) / Kazakh (if ITLANG = 29)
Kazakhstan	HQ-03C	D	Uzbek

Kazakhstan	HQ-03D	D	Tajik
Kazakhstan	HQ-03E	D	Uighur
Korea, Rep. of	HQ-03B	D	English
Korea, Rep. of	HQ-03C	D	Japanese
Korea, Rep. of	HQ-03D	D	Chinese
Korea, Rep. of	HQ-03E	D	Tagalog (Filipino)
Kosovo	HQ-03B	D	English
Kosovo	HQ-03C	D	French
Kosovo	HQ-03D	D	Italian
Kosovo	HQ-03E	D	German
Kuwait	HQ-03A	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Kuwait	HQ-03B	D	Arabic (if ITLANG = 1) / English (if ITLANG = 53)
Kuwait	HQ-03C-E	X	Option not administered or data not available
Latvia	HQ-03A	D	Latvian (if ITLANG = 21) / Russian (if ITLANG = 29)
Latvia	HQ-03B	D	Russian (if ITLANG = 21) / Latvian (if ITLANG = 29)
Latvia	HQ-03C	D	Belorussian
Latvia	HQ-03D	D	Ukrainian
Latvia	HQ-03E	D	Polish
Lithuania	HQ-03A	D	Lithuanian (if ITLANG = 22) / Polish (if ITLANG = 27) / Russian (if ITLANG = 29)
Lithuania	HQ-03B	D	Lithuanian (if ITLANG = 29) / Russian (if ITLANG = 22 or 27)
Lithuania	HQ-03C	D	Lithuanian (if ITLANG = 27) / Polish (if ITLANG = 22 or 29)
Lithuania	HQ-03D-E	X	Option not administered or data not available
Malta	HQ-03C-E	X	Option not administered or data not available
Malta	HQ-03B	D	Maltese

Montenegro	HQ-03A	D	Montenegrin
Montenegro	HQ-03B	D	Serbian
Montenegro	HQ-03C	D	Bosnian
Montenegro	HQ-03D	D	Croatian
Montenegro	HQ-03E	D	Albanian
Montenegro	HQ-03F	D	Roma / Other
Morocco	HQ-03B	D	Amazigh language
Morocco	HQ-03C	D	French language
Morocco	HQ-03D	D	English language
Morocco	HQ-03E	D	Spanish language
New Zealand	HQ-03B	D	Māori
New Zealand	HQ-03C	D	A Pacific Island language (e.g., Samoan, Tongan, Niuean)
New Zealand	HQ-03D	D	An Asian language (e.g., Mandarin, Korean, Hindi, Tagalog)
New Zealand	HQ-03E	D	New Zealand Sign Language
New Zealand	HQ-03F	D	Another language (e.g., Afrikaans, Somali)
North Macedonia	HQ-03A	D	Macedonian language (if ITLANG = 23) / Albanian language (if ITLANG = 5)
North Macedonia	HQ-03B	D	Albanian language (if ITLANG = 23) / Macedonian language (if ITLANG = 5)
North Macedonia	HQ-03C	D	Turkish language
North Macedonia	HQ-03D	D	Serbian language
North Macedonia	HQ-03E	D	Vlach language
Northern Ireland	HQ-03B	D	Irish
Northern Ireland	HQ-03C	D	Polish
Northern Ireland	HQ-03D	D	Lithuanian
Northern Ireland	HQ-03E	D	Portuguese

Northern Ireland	HQ-03F	D	Chinese / Other
Norway	HQ-03A-F	D	Stem of the question changed: What language did your child speak before he or she began school? "Other" includes all languages, except Norwegian.
Norway	HQ-03C-E	X	Option not administered or data not available
Norway	HQ-03A	D	Only Norwegian
Norway	HQ-03B	D	Some Norwegian and some other
Norway	HQ-03F	D	Only other
Oman	HQ-03A	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Oman	HQ-03B	D	Arabic (if ITLANG = 1) / English (if ITLANG = 53)
Oman	HQ-03C	D	Swahili
Oman	HQ-03D	D	Urdu (Baluchi)
Oman	HQ-03E	D	Persian (if ITLANG = 1) / Persian (Lawatian) (if ITLANG = 53)
Pakistan	HQ-03A	D	English (if ITLANG = 1) / Urdu (if ITLANG = 80) / Sindhi (if ITLANG = 81)
Pakistan	HQ-03B	D	Urdu (if ITLANG = 1) / Balochi (if ITLANG = 80 or 81)
Pakistan	HQ-03C	D	Balochi (if ITLANG = 1) / Pashto (if ITLANG = 80 or 81)
Pakistan	HQ-03D	D	Pashto (if ITLANG = 1) / Punjabi (if ITLANG = 80 or 81)
Pakistan	HQ-03E	D	Punjabi (if ITLANG = 1) / Sindhi (if ITLANG = 80) / Urdu (if ITLANG = 81)
Pakistan	HQ-03F	D	Sindhi (if ITLANG = 1) / Other (if ITLANG = 80 or 81)
Philippines	HQ-03A	D	English
Philippines	HQ-03B	D	Akeanon or Akianon
Philippines	HQ-03C	D	Bikol
Philippines	HQ-03D	D	Chavacano or Chabacano
Philippines	HQ-03E	D	Hiligaynon

Philippines	HQ-03F	D	Ibanag or Ybanag / Ilokano or Iloko / Ivatan / Kapampangan / Kinaray-a / Maguindanaon / Maranao / Pangasinan or Pangasinense / Sambal / Sinugbuanon Binisaya / Surigaonon / Tagalog / Tausug / Waray / Yakan / Other languages
Poland	HQ-03B	D	English
Poland	HQ-03C	D	Belorussian
Poland	HQ-03D	D	German
Poland	HQ-03E	D	Russian
Poland	HQ-03F	D	Ukrainian / Vietnamese / Other
Portugal	HQ-03B	D	Creole
Portugal	HQ-03C	D	Ukrainian
Portugal	HQ-03D	D	Chinese
Portugal	HQ-03E	D	English
Qatar	HQ-03A	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Qatar	HQ-03B	D	Arabic (if ITLANG = 1) / English (if ITLANG = 53)
Qatar	HQ-03C	D	Persian
Qatar	HQ-03D	D	Urdu
Qatar	HQ-03E	D	Swahili language (Somali language)
Russian Federation	HQ-03B-E	X	Option not administered or data not available
Saudi Arabia	HQ-03A	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Saudi Arabia	HQ-03B	D	Arabic (if ITLANG = 1) / English (if ITLANG = 53)
Saudi Arabia	HQ-03C	D	Urdu language
Saudi Arabia	HQ-03D	D	Filipino language
Saudi Arabia	HQ-03E	D	Indonesian language
Serbia	HQ-03B	D	Roma
Serbia	HQ-03C	D	Hungarian

Serbia	HQ-03D	D	Bosnian
Serbia	HQ-03E	D	Albanian
Serbia	HQ-03F	D	Other language
Singapore	HQ-03B	D	Mandarin
Singapore	HQ-03C	D	Malay
Singapore	HQ-03D	D	Tamil
Singapore	HQ-03E	D	A Chinese dialect
Slovak Republic	HQ-03A	D	Slovak (if ITLANG = 30) / Hungarian (if ITLANG = 17)
Slovak Republic	HQ-03B	D	Hungarian (if ITLANG = 30) / Slovak (if ITLANG = 17)
Slovak Republic	HQ-03C	D	Roma language
Slovak Republic	HQ-03D	D	Czech language
Slovak Republic	HQ-03E	D	Ruthenian language
South Africa	HQ-03A	D	English
South Africa	HQ-03B	D	Afrikaans
South Africa	HQ-03C	D	IsiNdebele
South Africa	HQ-03D	D	Sepedi
South Africa	HQ-03E	D	Sesotho
South Africa	HQ-03F	D	Seswati / Setswana / Tshivenda / IsiXhosa / IsiZulu / Xitsonga / Other
Spain	HQ-03A	D	Spanish (if ITLANG = 2 or 57) / Catalan (if ITLANG = 49) / Basque (if ITLANG = 51) / Valencian (if ITLANG = 52)
Spain	HQ-03B	D	Spanish (if ITLANG = 49, 51 or 52) / Catalan (if ITLANG = 2 or 57)
Spain	HQ-03C	D	Catalan (if ITLANG = 51 or 52) / Galician (if ITLANG = 2, 49 or 57)
Spain	HQ-03D	D	Valencian (if ITLANG = 2, 49 or 57) / Galician (if ITLANG = 51 or 52)

Spain	HQ-03E	D	Basque (if ITLANG = 2, 49, 52 or 57) / Valencian (if ITLANG = 51)
Sweden	HQ-03B-E	X	Option not administered or data not available
Turkey	HQ-03B-E	X	Option not administered or data not available
United Arab Emirates	HQ-03A	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
United Arab Emirates	HQ-03B	D	Arabic (if ITLANG = 1) / English (if ITLANG = 53)
United Arab Emirates	HQ-03C	D	Persian
United Arab Emirates	HQ-03D	D	Urdu
United Arab Emirates	HQ-03E	D	Tagalog

Benchmarking Participants

Ontario, Canada	HQ-03A	D	English (if ITLANG = 1) / French (if ITLANG = 3)
Ontario, Canada	HQ-03B	D	French (if ITLANG = 1) / English (if ITLANG = 3)
Ontario, Canada	HQ-03C-E	X	Option not administered or data not available
Quebec, Canada	HQ-03A	D	English (if ITLANG = 1) / French (if ITLANG = 3)
Quebec, Canada	HQ-03B	D	French (if ITLANG = 1) / English (if ITLANG = 3)
Quebec, Canada	HQ-03C-E	X	Option not administered or data not available
Moscow City, Russian Fed.	HQ-03B-E	X	Option not administered or data not available
Madrid, Spain	HQ-03A	D	Spanish (if ITLANG = 2 or 57) / Catalan (if ITLANG = 49) / Basque (if ITLANG = 51) / Valencian (if ITLANG = 52)
Madrid, Spain	HQ-03B	D	Spanish (if ITLANG = 49, 51 or 52) / Catalan (if ITLANG = 2 or 57)
Madrid, Spain	HQ-03C	D	Catalan (if ITLANG = 51 or 52) / Galician (if ITLANG = 2, 49 or 57)
Madrid, Spain	HQ-03D	D	Valencian (if ITLANG = 2, 49 or 57) / Galician (if ITLANG = 51 or 52)
Madrid, Spain	HQ-03E	D	Basque (if ITLANG = 2, 49, 52 or 57) / Valencian (if ITLANG = 51)
Abu Dhabi, UAE	HQ-03A	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)

Abu Dhabi, UAE	HQ-03B	D	Arabic (if ITLANG = 1) / English (if ITLANG = 53)
Abu Dhabi, UAE	HQ-03C	D	Persian
Abu Dhabi, UAE	HQ-03D	D	Urdu
Abu Dhabi, UAE	HQ-03E	D	Tagalog
Dubai, UAE	HQ-03A	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Dubai, UAE	HQ-03B	D	Arabic (if ITLANG = 1) / English (if ITLANG = 53)
Dubai, UAE	HQ-03C	D	Persian
Dubai, UAE	HQ-03D	D	Urdu
Dubai, UAE	HQ-03E	D	Tagalog

HQ-04AA-AB

Question:

Did your child attend the following before <first grade>?

A: Early childhood educational program or center for children under age 3

B: Pre-primary educational program for children age 3 or older, including <Kindergarten>

1 = Yes

2 = No

Variable Name(s): ASBH04AA, ASBH04AB

Country	Item ID	Code	Documentation
Albania	HQ-04AA-AB	D	Stem of the question changed: Did your child attend the following institutions before first grade?
Albania	HQ-04AB	D	Kindergarten
Armenia	HQ-04AA	D	Nursery
Armenia	HQ-04AB	D	Kindergarten
Austria	HQ-04AA-AB	D	1st grade of primary or elementary school

Austria	HQ-04AB	D	Pre-primary educational program for children age 3 or older (e.g., kindergarten, age-mixed children group) / Pre-school
Bahrain	HQ-04AB	D	Kindergarten
Belgium (Flemish)	HQ-04AB	D	Nursery school
Bosnia and Herzegovina	HQ-04AA	D	Pre-school program for children under the age of 3 (pre-kindergarten)
Bosnia and Herzegovina	HQ-04AB	D	Pre-school program for children age 3 or older / A compulsory preschool program or a recommended program for children in the year before entering to school
Bulgaria	HQ-04AA	D	Crèche
Bulgaria	HQ-04AB	D	Kindergarten or pre-primary group
Chile	HQ-04AB	D	Kindergarten 3 to 4 years, 4 to 5 years or 5 to 6 years
Chinese Taipei	HQ-04AA-AB	D	Stem of the question changed: Did your child attend kindergarten or nursery before first grade?
Chinese Taipei	HQ-04AA	D	Kindergarten or nursery for children under 3
Chinese Taipei	HQ-04AB	D	Kindergarten or nursery for children age 3 or older
Croatia	HQ-04AA-AB	D	Stem of the question changed: Did your child attend the following educational institutions before starting first grade?
Croatia	HQ-04AA	D	Day nursery
Croatia	HQ-04AB	D	Kindergarten
Cyprus	HQ-04AB	D	Kindergarten
Czech Republic	HQ-04AB	D	Kindergarten
Denmark	HQ-04AA	D	Municipal or private daycare from 0-2 years / Municipal or private nursery or integrated nursery from 0-2 years
Denmark	HQ-04AB	D	Municipal or private daycare from 3-5 years (e.g., kindergarten or integrated institution)

Finland	HQ-04AA-AB	D	Stem of the question changed: Did your child attend kindergarten or did she or he go to pre-primary education before starting first grade in primary school?
Finland	HQ-04AB	D	Either kindergarten or preschool or both
France	HQ-04AB	D	Kindergarten
Georgia	HQ-04AA-AB	D	Stem of the question changed: Did your child attend the following before starting school?
Georgia	HQ-04AB	D	Kindergarten for children aged 3 or higher
Germany	HQ-04AA	D	Preschool education programs for children less than three years old
Germany	HQ-04AB	D	Preschool education including nursery and preschool for children starting at 3 years old
Hong Kong SAR	HQ-04AB	D	Pre-primary educational program for children age 3 or older, including kindergarten
Hungary	HQ-04AA	D	Crèche
Hungary	HQ-04AB	D	Kindergarten
Iran, Islamic Rep. of	HQ-04AB	D	Kindergarten
Ireland	HQ-04AA-AB	D	First Class
Ireland	HQ-04AA	D	Formal educational program or center for children under 3
Ireland	HQ-04AB	D	Formal educational program or center for children age 3 or older (e.g., ECCE, Montessori, Naíonra, Early Start, Kindergarten) / Junior Infants or Senior Infants
Italy	HQ-04AA-AB	D	Stem of the question changed: Did your child attend the following schools before beginning primary school?
Italy	HQ-04AB	D	Pre-primary school (kindergarten) for children age 3 or older
Japan	HQ-04AA-AB	X	Question not administered or data not available
Kazakhstan	HQ-04AA	D	Children's education program or child care center for children under 3 years

Kazakhstan	HQ-04AB	D	Institution for education and training for children aged 3 and above, including kindergarten
Korea, Rep. of	HQ-04AB	D	Kindergarten
Kuwait	HQ-04AA	D	Pre-school for children under age 3
Kuwait	HQ-04AB	D	Kindergarten for children age 3 or older
Latvia	HQ-04AB	D	Kindergarten
Lithuania	HQ-04AB	D	Kindergarten or a preliminary class in kindergarten
Malta	HQ-04AA	D	Childcare Centre
Malta	HQ-04AB	D	Kindergarten
Montenegro	HQ-04AA	D	Program of care and educational work with children aged up to 3 years
Montenegro	HQ-04AB	D	Program for the areas of activities in preschool education with children 3-6 years old, including kindergarten
Morocco	HQ-04AB	D	Kindergarten
New Zealand	HQ-04AB	D	Early childhood educational program for children age 3 or older
North Macedonia	HQ-04AB	D	Kindergarten
Northern Ireland	HQ-04AA-AB	X	Question not administered or data not available
Norway	HQ-04AA-AB	D	Stem of the question changed: Did your child attend kindergarten?
Norway	HQ-04AA	D	Before the child was 3 years old
Norway	HQ-04AB	D	When the child was between 3 and 6 years old
Oman	HQ-04AB	D	Kindergarten
Pakistan	HQ-04AB	D	Kindergarten
Poland	HQ-04AA-AB	D	Stem of the question changed: Did your child attend crèche? For how long?
Portugal	HQ-04AB	D	Preschool education
Qatar	HQ-04AB	D	Kindergarten

Russian Federation	HQ-04AA-AB	D	Stem of the question changed: Did your child attend any educational institution that implemented the following child development programs before entering school?
Saudi Arabia	HQ-04AB	D	Kindergarten
Serbia	HQ-04AA	D	A pre-school program or a center for children under the age of 3 (pre-kindergarten)
Serbia	HQ-04AB	D	A pre-school program for children age 3 to 5.5 (kindergarten) / A preparatory pre-school program for children age 5.5 to 6.5 (pre-school program)
Singapore	HQ-04AA	D	Early childhood educational program or center for children under age 3 (e.g., infant care or pre-nursery program)
Singapore	HQ-04AB	D	Nursery and kindergarten
Slovak Republic	HQ-04AA-AB	D	Stem of the question changed: Did your child attend the following facilities before he or she started the 1st grade?
Slovak Republic	HQ-04AA	D	Educational program or center for children under age 3 - crèche
Slovak Republic	HQ-04AB	D	Pre-primary educational program or facility for children age 3 or older - kindergarten
South Africa	HQ-04AB	D	Pre-primary education including Grade RR for children 3 years old or older
Spain	HQ-04AB	D	Infant schools
Sweden	HQ-04AB	D	Pre-school for children from the age of 3
Turkey	HQ-04AB	D	Kindergarten
United Arab Emirates	HQ-04AB	D	Kindergarten
Benchmarking Participants			
Moscow City, Russian Fed.	HQ-04AA-AB	D	Stem of the question changed: Did your child attend any educational institution that implemented the following child development programs before entering school?
Madrid, Spain	HQ-04AB	D	Infant schools
Abu Dhabi, UAE	HQ-04AB	D	Kindergarten
Dubai, UAE	HQ-04AB	D	Kindergarten

HQ-04B

Question:

Approximately, how long was your child in these programs altogether?

- 1 = Did not attend
- 2 = Less than 1 year
- 3 = 1 year
- 4 = 2 years
- 5 = 3 years
- 6 = 4 years or more

Variable Name(s): ASBH04B

Country	Item ID	Code	Documentation
Chinese Taipei	HQ-04B	D	Stem of the question changed: Approximately, how long was your child in kindergarten and nursery altogether?
Croatia	HQ-04B	D	Stem of the question changed: Approximately, how many years did your child attend these educational programs or institutions?
Denmark	HQ-04B	D	Stem of the question changed: Approximately, how long was your child in daycare, nursery or kindergarten altogether? National options recoded for international comparability: 1 = Not at all 2 = Less than 1 year 3 = 1 year 4 = 2 years 5 = 3 years 6 = 4 years / 5 years or more
Finland	HQ-04B	D	Nationally defined options: 1 = Did not attend kindergarten or did not go to pre-primary education 2 = Less than 1 year 3 = 1 year 4 = 2 years 5 = 3 years 6 = 4 years or more

Georgia	HQ-04B	D	Stem of the question changed: Approximately, how long was your child attending kindergarten altogether?
Ireland	HQ-04B	D	Stem of the question changed: In total, how long did your child spend in these programs?
Japan	HQ-04B	X	Question not administered or data not available
Northern Ireland	HQ-04B	X	Question not administered or data not available
Norway	HQ-04B	D	Stem of the question changed: Approximately, how long was your child in kindergarten? Nationally defined options: 1 = My child did not attend kindergarten 2 = Less than 1 year 3 = 1 year 4 = 2 years 5 = 3 years 6 = 4 years or more
Poland	HQ-04B	D	Stem of the question changed: Did your child attend kindergarten (before reception class)? For how long? If your child attended reception class in kindergarten, please do not count that in. / Did your child attend the reception class, and for how long?
Russian Federation	HQ-04B	D	Stem of the question changed: Approximately, how long did your child attend these pre-school educational institutions?
Benchmarking Participants			
Moscow City, Russian Fed.	HQ-04B	D	Stem of the question changed: Approximately, how long did your child attend these pre-school educational institutions?

HQ-05

Question:

How old was your child when he/she began the <first grade> of primary/elementary school?

1 = 5 years old or younger

2 = 6 years old

3 = 7 years old

4 = 8 years old or older

Variable Name(s): ASBH05

Country	Item ID	Code	Documentation
Austria	HQ-05	D	Stem of the question changed: How old was your child when joining primary school?
Georgia	HQ-05	D	Stem of the question changed: How old was your child when entering school?
Germany	HQ-05	D	How old was your child when he or she came to primary school?
Hungary	HQ-05	D	Stem of the question changed: How old was your child when he or she began primary school?
Ireland	HQ-05	D	Stem of the question changed: How old was your child when he or she started First Class?
Northern Ireland	HQ-05	X	Question not administered or data not available
Norway	HQ-05	D	Stem of the question changed: How old was your child when he or she began school?
Russian Federation	HQ-05	D	Stem of the question changed: How old was your child when your child entered the school?
Singapore	HQ-05	D	How old was your child when he or she began Primary 1?
South Africa	HQ-05	D	Stem of the question changed: How old was your child when he or she began Grade 1?

HQ-06A-G

Question:

How well could your child do the following when he/she began the <first grade> of primary/elementary school?

- A: Recognize most of the letters of the alphabet
- B: Read some words
- C: Read sentences
- D: Read a story
- E: Write letters of the alphabet
- F: Write his/her name
- G: Write words other than his/her name

- 1 = Very well
- 2 = Moderately well
- 3 = Not very well
- 4 = Not at all

Variable Name(s): ASBH06A, ASBH06B, ASBH06C, ASBH06D, ASBH06E, ASBH06F, ASBH06G

Country	Item ID	Code	Documentation
Albania	HQ-06A-G	D	Stem of the question changed: How well could your child do the following activities when he or she began the first grade of elementary school?
Austria	HQ-06A-G	D	Stem of the question changed: How well could your child do the following when joining primary school?
Bulgaria	HQ-06D	D	Read connected text
Croatia	HQ-06A-G	D	Stem of the question changed: How well could your child do the following tasks when he or she began the first grade of elementary school?
Georgia	HQ-06A-G	D	Stem of the question changed: How well could your child do the following when entering school?
Germany	HQ-06A-G	D	How well could your child do the following things when he or she first came to school?

Hungary	HQ-06A-G	D	Stem of the question changed: How well could your child do the following when he or she began primary school?
Ireland	HQ-06A-G	D	Stem of the question changed: How well could your child do the following when he or she started First Class?
Lithuania	HQ-06A-G	D	Nationally defined options: 1 = Very well 2 = Well 3 = Not very well 4 = Not at all
Northern Ireland	HQ-06A-G	X	Question not administered or data not available
Norway	HQ-06A-G	D	Stem of the question changed: How well could your child do the following when he or she began school?
Russian Federation	HQ-06A-G	D	Stem of the question changed: How well could your child do the following when he or she entered the school?
Singapore	HQ-06A-G	D	How well could your child do the following when he or she began Primary 1?
South Africa	HQ-06A-G	D	Stem of the question changed: How well could your child do the following when he or she began Grade 1?
South Africa	HQ-06G	D	Write other words

HQ-07A-C

Question:

Could your child do the following when he/she began the <first grade> of primary/elementary school?

A: Count by himself/herself

B: Recognize written numbers

C: Write numbers

1 = Not at all

2 = Up to 10

3 = Up to 20

4 = Up to 100 or higher

Variable Name(s): ASBH07A, ASBH07B, ASBH07C

Country	Item ID	Code	Documentation
Albania	HQ-07A-C	D	Stem of the question changed: Could your child do the following activities when he or she began the first grade of elementary school?
Austria	HQ-07A-C	D	Stem of the question changed: Could your child do the following when joining primary school?
Georgia	HQ-07A-C	D	Stem of the question changed: Could your child do the following when entering school?
Germany	HQ-07A-C	D	Stem of the question changed: Could your child do the following things when he or she came to school?
Hungary	HQ-07A-C	D	Stem of the question changed: When your child began primary school...
Ireland	HQ-07A-C	D	Stem of the question changed: Could your child do the following when he or she started First class?
Northern Ireland	HQ-07A-C	X	Question not administered or data not available
Norway	HQ-07A-C	D	Stem of the question changed: Could your child do the following when he or she began school?

Russian Federation	HQ-07A-C	D	Stem of the question changed: Could your child do the following when he or she entered the school?
Singapore	HQ-07A-C	D	Could your child do the following when he or she began Primary 1?
South Africa	HQ-07A-C	D	Stem of the question changed: Could your child do the following when he or she began Grade 1?

HQ-07D-E

Question:

Could your child do the following when he/she began the <first grade> of primary/elementary school?

D: Do simple addition

E: Do simple subtraction

1 = Yes

2 = No

Variable Name(s): ASBH07D, ASBH07E

Country	Item ID	Code	Documentation
Germany	HQ-07D	D	Do simple addition (e.g., 5+2)
Germany	HQ-07E	D	Do simple subtraction (e.g., 5-2)
Northern Ireland	HQ-07D-E	X	Question not administered or data not available
Norway	HQ-07D-E	D	Stem of the question changed: Could your child do the following when he or she began school?

HQ-08AA-AB

Question:

During the last 12 months, has your child attended extra lessons or tutoring not provided by the school in the following subjects?

A: Mathematics

B: Science

1 = Yes, to excel in class

2 = Yes, to keep up in class

3 = No

Variable Name(s): ASBH08AA, ASBH08AB

Country	Item ID	Code	Documentation
Croatia	HQ-08AA-AB	D	Nationally defined options: 1. Yes, to excel his or her existing knowledge 2. Yes, not to fall behind other students 3. No
Lithuania	HQ-08AA-AB	D	Nationally defined options: 1 = Yes, to do very well in class 2 = Yes, to be able to study in class 3 = No
Montenegro	HQ-08AB	D	Nature
Norway	HQ-08AA-AB	X	Question not administered or data not available
Serbia	HQ-08AB	D	Nature and Society

HQ-08BA-BB

Question:

For how many of the last 12 months has your child attended extra lessons or tutoring?

A: Mathematics
B: Science

1 = Did not attend
2 = Less than 4 months
3 = 4-8 months
4 = More than 8 months

Variable Name(s): ASBH08BA, ASBH08BB

Country	Item ID	Code	Documentation
Croatia	HQ-08BA-BB	D	Stem of the question changed: For how long or for what period in the last 12 months has your child attended extra lessons or tutoring?
Montenegro	HQ-08BB	D	Nature
Norway	HQ-08BA-BB	X	Question not administered or data not available
Poland	HQ-08BA	D	Mathematics for free / Mathematics for a fee
Poland	HQ-08BB	D	Science for free / Science for a fee
Serbia	HQ-08BB	D	Nature and Society

HQ-09A-H

Question:

What do you think of your child's school?

- A: My child's school does a good job including me in my child's education
- B: My child's school provides a safe environment
- C: My child's school cares about my child's progress in school
- D: My child's school does a good job informing me of his/her progress
- E: My child's school promotes high academic standards
- F: My child's school does a good job in helping him/her become better in reading
- G: My child's school does a good job in helping him/her become better in mathematics
- H: My child's school does a good job in helping him/her become better in science

- 1 = Agree a lot
- 2 = Agree a little
- 3 = Disagree a little
- 4 = Disagree a lot

Variable Name(s): ASBH09A, ASBH09B, ASBH09C, ASBH09D, ASBH09E, ASBH09F, ASBH09G,

Country	Item ID	Code	Documentation
Germany	HQ-09A	D	My child's school does a good job including me in my child's education and upbringing
Kosovo	HQ-09H	D	My child's school does a good job in helping him or her become better in Human and Nature
Norway	HQ-09A-H	X	Question not administered or data not available
Russian Federation	HQ-09A-H	D	Stem of the question changed: How much do you agree or disagree with the following statements about primary school that your child attends?
Russian Federation	HQ-09H	D	My child's school does a good job in helping him or her become better in the "surrounding world."
Slovak Republic	HQ-09A	D	The school manages to include me in my child's education.
Slovak Republic	HQ-09D	D	The school informs me sufficiently about my child's progress.
Slovak Republic	HQ-09E	D	The school provides high level of education.
Slovak Republic	HQ-09F	D	The school helps my child a lot to be better in reading.

Slovak Republic	HQ-09G	D	The school helps my child a lot to be better in mathematics.
Slovak Republic	HQ-09H	D	The school helps my child a lot to be better in science.

Benchmarking Participants

Moscow City, Russian Fed.	HQ-09A-H	D	Stem of the question changed: How much do you agree or disagree with the following statements about your child's primary school?
Moscow City, Russian Fed.	HQ-09H	D	My child's school does a good job in helping him or her become better in "surrounding world"

HQ-12A-B

Question:

The following questions are about the child's <Parent/Guardian A> and <Parent/Guardian B>. <If the child has only one parent/guardian, answer for Parent/Guardian A. If there are two parents/guardians, choose one for Parent/Guardian A and the other for Parent/Guardian B.>

Were the child's <parents/guardians> born in <country>?

A: <Parent/Guardian A>

B: <Parent/Guardian B>

1 = Yes

2 = No

3 = Not applicable

Variable Name(s): ASBH12A, ASBH12B

Country	Item ID	Code	Documentation
Albania	HQ-12A	D	Father
Albania	HQ-12B	D	Mother
Armenia	HQ-12A	D	Father or guardian
Armenia	HQ-12B	D	Mother or guardian

Austria	HQ-12A-B	D	Stem of the question changed: In which country were you and your child born? National options recoded for international comparability: 1 = Austria 2 = Afghanistan / Bosnia and Herzegovina / Germany / Croatia / Poland / Romania / Serbia / Syria / Turkey / Hungary / In another country 3 = I don't know
Austria	HQ-12A	D	Father
Austria	HQ-12B	D	Mother
Azerbaijan	HQ-12A	D	Parent or Guardian 1
Azerbaijan	HQ-12B	D	Parent or Guardian 2
Bosnia and Herzegovina	HQ-12A	D	Mother or Guardian A
Bosnia and Herzegovina	HQ-12B	D	Father or Guardian B
Bulgaria	HQ-12A	D	Was the child's father or stepfather or male guardian born in Bulgaria?
Bulgaria	HQ-12B	D	Was the child's mother or stepmother or female guardian born in Bulgaria?
Chinese Taipei	HQ-12A	D	Father (stepfather or male guardian)
Chinese Taipei	HQ-12B	D	Mother (stepmother or female guardian)
Croatia	HQ-12A	D	Parent or Guardian A: Father (stepfather) or male guardian
Croatia	HQ-12B	D	Parent or Guardian B: Mother (stepmother) or female guardian
Cyprus	HQ-12A	D	Father
Cyprus	HQ-12B	D	Mother
Czech Republic	HQ-12A	D	Mother (or stepmother or female guardian)
Czech Republic	HQ-12B	D	Father (or stepfather or male guardian)
Denmark	HQ-12A	D	Mother (stepmother or female guardian)
Denmark	HQ-12B	D	Father (stepfather or male guardian)

Finland	HQ-12A	D	Mother, stepmother, female guardian or Guardian A
Finland	HQ-12B	D	Father, stepfather, male guardian or Guardian B
France	HQ-12A-B	D	Stem of the question changed: Are the parents of the child born in France?
France	HQ-12A	D	Mother (stepmother or guardian)
France	HQ-12B	D	Father (stepfather or guardian)
Georgia	HQ-12A	D	Mother (female guardian)
Georgia	HQ-12B	D	Father (male guardian)
Germany	HQ-12A-B	D	Stem of the question changed: In which country were you and your child born? Please check one box in each column. 1. Mother 2. Father National options recoded for international comparability: 1 = Germany 2 = Turkey / Poland / Syria / Italy / Romania / In a different country or region 3 = Not applicable
Germany	HQ-12A	D	Mother
Germany	HQ-12B	D	Father
Hong Kong SAR	HQ-12A	D	Mother or female guardian
Hong Kong SAR	HQ-12B	D	Father or male guardian
Hungary	HQ-12A	D	Mother (or stepmother or foster mother)
Hungary	HQ-12B	D	Father (or stepfather or foster father)
Iran, Islamic Rep. of	HQ-12A	D	Mother (female guardian)
Iran, Islamic Rep. of	HQ-12B	D	Father (male guardian)
Ireland	HQ-12A	D	Parent or Guardian A (for example, mother)
Ireland	HQ-12B	D	Parent or Guardian B (for example, father)
Japan	HQ-12A	D	Father (male guardian)
Japan	HQ-12B	D	Mother (female guardian)

Kazakhstan	HQ-12A	D	Father or male guardian
Kazakhstan	HQ-12B	D	Mother or female guardian
Korea, Rep. of	HQ-12A	D	Father (or male guardian)
Korea, Rep. of	HQ-12B	D	Mother (or female guardian)
Kosovo	HQ-12A	D	Father
Kosovo	HQ-12B	D	Mother
Kuwait	HQ-12A	D	Father or guardian
Kuwait	HQ-12B	D	Mother or guardian
Latvia	HQ-12A	D	Mother or guardian
Latvia	HQ-12B	D	Father or guardian
Lithuania	HQ-12A	D	Mother (guardian)
Lithuania	HQ-12B	D	Father (guardian)
Montenegro	HQ-12A	D	Mother or Guardian A
Montenegro	HQ-12B	D	Father or Guardian B
Morocco	HQ-12A	D	Your father or Guardian A
Morocco	HQ-12B	D	Your mother or Guardian B
Northern Ireland	HQ-12A	D	Parent or Guardian A
Northern Ireland	HQ-12B	D	Parent or Guardian B
Norway	HQ-12A	D	Was the child's mother (or female guardian) born in Norway?
Norway	HQ-12B	D	Was the child's father (or male guardian) born in Norway?
Oman	HQ-12A	D	Child's mother or female guardian
Oman	HQ-12B	D	Child's father or male guardian
Pakistan	HQ-12A	D	Father or Guardian A
Pakistan	HQ-12B	D	Mother or Guardian B
Philippines	HQ-12A	D	Father or Guardian A

Philippines	HQ-12B	D	Mother or Guardian B
Poland	HQ-12A	D	Father (stepfather, guardian)
Poland	HQ-12B	D	Mother (stepmother, guardian)
Portugal	HQ-12A	D	Mother (or legal guardian)
Portugal	HQ-12B	D	Father (or legal guardian)
Qatar	HQ-12A	D	Father or male guardian
Qatar	HQ-12B	D	Mother or female guardian
Russian Federation	HQ-12A	D	Father (or male guardian)
Russian Federation	HQ-12B	D	Mother (or female guardian)
Serbia	HQ-12A	D	Mother or Guardian A
Serbia	HQ-12B	D	Father or Guardian B
Singapore	HQ-12A	D	Father or male guardian
Singapore	HQ-12B	D	Mother or female guardian
Slovak Republic	HQ-12A	D	Mother or legal representative
Slovak Republic	HQ-12B	D	Father or legal representative
South Africa	HQ-12A-B	D	Stem of the question changed: The following questions are about the child's father (or male guardian or parent A) and mother (or female guardian or parent B). If the child has only one parent or guardian, answer for Parent A.
South Africa	HQ-12A	D	Father or Parent A
South Africa	HQ-12B	D	Mother or Parent B
Spain	HQ-12A	D	Father, mother or legal guardian A
Spain	HQ-12B	D	Father, mother or legal guardian B
Turkey	HQ-12A	D	Father (or stepfather or male parent)
Turkey	HQ-12B	D	Mother (or stepmother or female parent)
United Arab Emirates	HQ-12A	D	Father or male guardian

United Arab Emirates HQ-12B D Mother or female guardian

Benchmarking Participants

Moscow City, Russian Fed.	HQ-12A	D	Father (or male guardian)
Moscow City, Russian Fed.	HQ-12B	D	Mother (or female guardian)
Madrid, Spain	HQ-12A	D	Father, mother or legal guardian A
Madrid, Spain	HQ-12B	D	Father, mother or legal guardian B
Abu Dhabi, UAE	HQ-12A	D	Father or male guardian
Abu Dhabi, UAE	HQ-12B	D	Mother or female guardian
Dubai, UAE	HQ-12A	D	Father or male guardian
Dubai, UAE	HQ-12B	D	Mother or female guardian

HQ-13AA-GA, AB-GB

Question:

Do the child's <parents/guardians> talk with the child in the following languages?

- A: <language of test>
- B: <country-specific>
- C: <country-specific>
- D: <country-specific>
- E: <country-specific>
- F: Other
- G: Not applicable

Variable Name(s):

<Parent/Guardian A>: ASBH13AA, ASBH13BA, ASBH13CA, ASBH13DA, ASBH13EA, ASBH13FA, ASBH13GA

<Parent/Guardian B>: ASBH13AB, ASBH13BB, ASBH13CB, ASBH13DB, ASBH13EB, ASBH13FB, ASBH13GB

Country	Item ID	Code	Documentation
Albania	HQ-13AA-GA	D	Father
Albania	HQ-13AB-GB	D	Mother

Albania	HQ-13BA,B	D	English
Albania	HQ-13CA,B	D	French
Albania	HQ-13DA,B	D	Italian
Albania	HQ-13EA,B	D	Greek
Armenia	HQ-13AA-GA	D	Child's father or guardian
Armenia	HQ-13AB-GB	D	Child's mother or guardian
Armenia	HQ-13BA,B	D	Russian
Armenia	HQ-13CA,B	D	English
Armenia	HQ-13DA-EB	X	Option not administered or data not available
Austria	HQ-13	D	Stem of the question changed: Do you talk with the child in the following languages?
Austria	HQ-13AA-GA	D	Father
Austria	HQ-13AB-GB	D	Mother
Austria	HQ-13BA,B	D	Turkish
Austria	HQ-13CA,B	D	Romanian
Austria	HQ-13DA,B	D	Bosnian or Croatian or Serbian
Austria	HQ-13EA,B	D	English
Austria	HQ-13FA,B	D	Albanian / Arabic / Macedonian / Polish / Slovak / Slovenian / Czech / Hungarian / Other language
Austria	HQ-13GA,B	D	I don't know
Azerbaijan	HQ-13AA-GA	D	Parent or Guardian 1
Azerbaijan	HQ-13AB-GB	D	Parent or Guardian 2
Azerbaijan	HQ-13AA,B	D	Russian (if ITLANG = 29) / Azerbaijani (if ITLANG = 55)
Azerbaijan	HQ-13BA,B	D	Azerbaijani (if ITLANG = 29) / Lezghin (if ITLANG = 55)
Azerbaijan	HQ-13CA,B	D	Talish
Azerbaijan	HQ-13DA,B	D	Lezghin (if ITLANG = 29) / Russian (if ITLANG = 55)

Azerbaijan	HQ-13EA,B	D	Georgian
Bahrain	HQ-13AA,B	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Bahrain	HQ-13BA,B	D	Arabic (if ITLANG = 1) / English (if ITLANG = 53)
Bahrain	HQ-13CA,B	D	Persian
Bahrain	HQ-13DA,B	D	Indian
Bahrain	HQ-13EA,B	D	Pakistani
Belgium (Flemish)	HQ-13BA,B	D	French
Belgium (Flemish)	HQ-13CA,B	D	Turkish
Belgium (Flemish)	HQ-13DA,B	D	Arabic
Belgium (Flemish)	HQ-13EA,B	D	English
Belgium (Flemish)	HQ-13FA,B	D	Kurdish / Berber / Polish / Romanian / Bulgarian / Other
Bosnia and Herzegovina	HQ-13AA-GA	D	Mother or guardian
Bosnia and Herzegovina	HQ-13AB-GB	D	Father or guardian
Bosnia and Herzegovina	HQ-13AA,B	D	Bosnian language (if ITLANG = 37) / Croatian language (if ITLANG = 56) / Serbian language (if ITLANG = 69)
Bosnia and Herzegovina	HQ-13BA,B	D	Bosnian language (if ITLANG = 56 or 69) / Serbian language (if ITLANG = 37)
Bosnia and Herzegovina	HQ-13CA,B	D	Croatian language (if ITLANG = 37 or 69) / Serbian language (if ITLANG = 56)
Bosnia and Herzegovina	HQ-13DA-EB	X	Option not administered or data not available
Bulgaria	HQ-13	D	Stem of the question changed: In what language do the child's father or stepfather or male guardian and the child's mother or stepmother or female guardian speak to the child?
Bulgaria	HQ-13AA-GA	D	Father
Bulgaria	HQ-13AB-GB	D	Mother
Bulgaria	HQ-13BA,B	D	Turkish language
Bulgaria	HQ-13CA,B	D	Roma language

Bulgaria	HQ-13DA-EB	X	Option not administered or data not available
Canada	HQ-13AA,B	D	English (if ITLANG = 1) / French (if ITLANG = 3)
Canada	HQ-13BA,B	D	French (if ITLANG = 1) / English (if ITLANG = 3)
Canada	HQ-13CA-EB	X	Option not administered or data not available
Chile	HQ-13BA-EA	X	Option not administered or data not available
Chinese Taipei	HQ-13	D	Stem of the question changed: Do the child's father (stepfather or male guardian) and mother (stepmother or female guardian) talk with the child in the following languages?
Chinese Taipei	HQ-13AA-GA	D	Child's father (stepfather or male guardian)
Chinese Taipei	HQ-13AB-GB	D	Child's mother (stepmother or female guardian)
Chinese Taipei	HQ-13BA,B	D	Taiwanese language (Fukien)
Chinese Taipei	HQ-13CA,B	D	Hakka
Chinese Taipei	HQ-13DA,B	D	Aboriginal language
Chinese Taipei	HQ-13EA,B	D	English or American English
Croatia	HQ-13	D	Stem of the question changed: What language do you use when talking at home with your child?
Croatia	HQ-13AA-GA	D	Parent or Guardian A: Father (stepfather) or male guardian
Croatia	HQ-13AB-GB	D	Parent or Guardian B: Mother (stepmother) or female guardian
Croatia	HQ-13AA,B	D	Croatian (if ITLANG = 56) / Italian (if ITLANG = 20)
Croatia	HQ-13BA,B	D	Serbian language
Croatia	HQ-13CA,B	D	Croatian (if ITLANG = 56) / Italian (if ITLANG = 20)
Croatia	HQ-13DA,B	D	Hungarian language
Croatia	HQ-13EA,B	D	Czech language
Cyprus	HQ-13AA-GA	D	Father
Cyprus	HQ-13AB-GB	D	Mother

Cyprus	HQ-13AA,B	D	Greek (if ITLANG = 44) / English (if ITLANG = 1)
Cyprus	HQ-13BA,B	D	English (if ITLANG = 44) / Greek (if ITLANG = 1)
Cyprus	HQ-13CA,B	D	Russian
Cyprus	HQ-13DA,B	D	Bulgarian
Cyprus	HQ-13EA,B	D	Romanian
Czech Republic	HQ-13	D	Stem of the question changed: Do the child's parents (or stepparents or guardians) talk with the child at home in the following languages?
Czech Republic	HQ-13AA-GA	D	Mother (or stepmother or female guardian)
Czech Republic	HQ-13AB-GB	D	Father (or stepfather or male guardian)
Czech Republic	HQ-13BA,B	D	Slovak
Czech Republic	HQ-13CA,B	D	Romani
Czech Republic	HQ-13DA,B	D	Russian
Czech Republic	HQ-13EA,B	D	Ukrainian
Czech Republic	HQ-13FA,B	D	Vietnamese / Other
Denmark	HQ-13	D	Parents (stepparents or guardians)
Denmark	HQ-13AA-GA	D	Mother or female guardian
Denmark	HQ-13AB-GB	D	Father or male guardian
Denmark	HQ-13BA,B	D	Turkish
Denmark	HQ-13CA,B	D	Arabic
Denmark	HQ-13DA,B	D	Serbo-Croatian or Bosnian
Denmark	HQ-13EA,B	D	Punjabi
Denmark	HQ-13FA,B	D	Norwegian or Swedish / Polish / Other
Finland	HQ-13AA-GA	D	Mother or Guardian A
Finland	HQ-13AB-GB	D	Father or Guardian B
Finland	HQ-13AA,B	D	Swedish (if ITLANG = 32) / Finnish (if ITLANG = 43)

Finland	HQ-13BA,B	D	Finnish (if ITLANG = 32) / Swedish (if ITLANG = 43)
Finland	HQ-13CA,B	D	Sami
Finland	HQ-13DA,B	D	Romany
Finland	HQ-13EA,B	D	Russian
France	HQ-13	D	Parents (stepparents or guardians)
France	HQ-13AA-GA	D	Father of the child
France	HQ-13AB-GB	D	Mother of the child
France	HQ-13BA,B	D	Arabic
France	HQ-13CA,B	D	Another language of Africa
France	HQ-13DA,B	D	Portuguese
France	HQ-13EA,B	D	Turkish
Georgia	HQ-13AA-GA	D	Mother (female guardian)
Georgia	HQ-13AB-GB	D	Father (male guardian)
Georgia	HQ-13BA,B	D	Russian
Georgia	HQ-13CA,B	D	Armenian
Georgia	HQ-13DA,B	D	Azeri
Georgia	HQ-13EA,B	D	English
Germany	HQ-13	D	Stem of the question changed: When you speak with your child at home, which language(s) does the father (or stepfather or male guardian) of the child mostly use? When you speak with your child at home, which language(s) does the mother (or stepmother or female guardian) of the child mostly use?
Germany	HQ-13AA-GA	D	Father
Germany	HQ-13AB-GB	D	Mother
Germany	HQ-13BA,B	D	Turkish
Germany	HQ-13CA,B	D	Polish

Germany	HQ-13DA,B	D	Arabic
Germany	HQ-13EA,B	D	Italian
Germany	HQ-13FA,B	D	Romanian / Other
Hong Kong SAR	HQ-13AA-GA	D	Mother or female guardian
Hong Kong SAR	HQ-13AB-GB	D	Father or male guardian
Hong Kong SAR	HQ-13AA,B	D	English (if ITLANG = 1) / Cantonese (if ITLANG = 10)
Hong Kong SAR	HQ-13BA,B	D	Cantonese (if ITLANG = 1) / English (if ITLANG = 10)
Hong Kong SAR	HQ-13CA,B	D	Putonghua (Mandarin)
Hong Kong SAR	HQ-13DA,B	D	Other Chinese dialects (e.g., Chiuchow dialect, Hokkien dialect, etc.)
Hong Kong SAR	HQ-13EA,B	D	Other Asian languages (e.g., Indian, Indonesian, Thai, etc.)
Hungary	HQ-13AA-GA	D	Mother or stepmother or foster mother
Hungary	HQ-13AB-GB	D	Father or stepfather or foster father
Hungary	HQ-13BA-EB	X	Option not administered or data not available
Iran, Islamic Rep. of	HQ-13	D	Parents or guardians
Iran, Islamic Rep. of	HQ-13AA-GA	D	Mother (female guardian)
Iran, Islamic Rep. of	HQ-13AB-GB	D	Father (female guardian)
Iran, Islamic Rep. of	HQ-13BA,B	D	Turkish
Iran, Islamic Rep. of	HQ-13CA,B	D	Kurdish
Iran, Islamic Rep. of	HQ-13DA,B	D	Arabic
Iran, Islamic Rep. of	HQ-13EA,B	D	Balouchi
Ireland	HQ-13AA-GA	D	Parent or Guardian A (for example, mother)
Ireland	HQ-13AB-GB	D	Parent or Guardian B (for example, father)
Ireland	HQ-13AA,B	D	English
Ireland	HQ-13BA,B	D	Irish

Ireland	HQ-13CA,B	D	Polish
Ireland	HQ-13DA,B	D	French
Ireland	HQ-13EA,B	D	Romanian
Italy	HQ-13BA,B	D	Another language officially recognised in Italy (e.g., Ladino in Alto Adige, French in Val d'Aosta)
Italy	HQ-13CA,B	D	A dialect
Italy	HQ-13DA,B	D	Another language of a country in the European Union
Italy	HQ-13EA,B	D	Another language (e.g., Albanian, Arabic, Chinese etc.)
Italy	HQ-13FA,B	X	Option not administered or data not available
Japan	HQ-13	D	Stem of the question changed: What language do guardians use when talking to your child at home?
Japan	HQ-13AA-GA	D	Father
Japan	HQ-13AB-GB	D	Mother
Japan	HQ-13BA,B	D	English
Japan	HQ-13CA,B	D	Chinese
Japan	HQ-13DA,B	D	Korean
Japan	HQ-13EA,B	D	Portuguese
Kazakhstan	HQ-13AA-GA	D	Father or male guardian
Kazakhstan	HQ-13AB-GB	D	Mother or female guardian
Kazakhstan	HQ-13AA,B	D	Kazakh (if ITLANG = 39) / Russian (if ITLANG = 29)
Kazakhstan	HQ-13BA,B	D	Russian (if ITLANG = 39) / Kazakh (if ITLANG = 29)
Kazakhstan	HQ-13CA,B	D	Uzbek
Kazakhstan	HQ-13DA,B	D	Tajik
Kazakhstan	HQ-13EA,B	D	Uighur
Korea, Rep. of	HQ-13	D	Parents (or guardians)

Korea, Rep. of	HQ-13AA-GA	D	Father (or male guardian)
Korea, Rep. of	HQ-13AB-GB	D	Mother (or female guardian)
Korea, Rep. of	HQ-13BA,B	D	English
Korea, Rep. of	HQ-13CA,B	D	Japanese
Korea, Rep. of	HQ-13DA,B	D	Chinese
Korea, Rep. of	HQ-13EA,B	D	Tagalog (Filipino)
Kosovo	HQ-13	D	Parents
Kosovo	HQ-13AA-GA	D	Father
Kosovo	HQ-13AB-GB	D	Mother
Kosovo	HQ-13BA,B	D	English
Kosovo	HQ-13CA,B	D	French
Kosovo	HQ-13DA,B	D	Italian
Kosovo	HQ-13EA,B	D	German
Kuwait	HQ-13AA-GA	D	Father or guardian
Kuwait	HQ-13AB-GB	D	Mother or guardian
Kuwait	HQ-13CA-EA	X	Option not administered or data not available
Kuwait	HQ-13AA,B	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Kuwait	HQ-13BA,B	D	Arabic (if ITLANG = 1) / English (if ITLANG = 53)
Latvia	HQ-13AA-GA	D	Mother or Guardian A
Latvia	HQ-13AB-GB	D	Father or guardian
Latvia	HQ-13AA,B	D	Latvian (if ITLANG = 21) / Russian (if ITLANG = 29)
Latvia	HQ-13BA,B	D	Russian (if ITLANG = 21) / Latvian (if ITLANG = 29)
Latvia	HQ-13CA,B	D	Belorussian
Latvia	HQ-13DA,B	D	Ukrainian
Latvia	HQ-13EA,B	D	Polish

Lithuania	HQ-13AA-GA	D	Mother (guardian)
Lithuania	HQ-13AB-GB	D	Father (guardian)
Lithuania	HQ-13DA-EB	X	Option not administered or data not available
Lithuania	HQ-13AA,B	D	Lithuanian (if ITLANG = 22) / Polish (if ITLANG = 27) / Russian (if ITLANG = 29)
Lithuania	HQ-13BA,B	D	Lithuanian (if ITLANG = 29) / Russian (if ITLANG = 22 or 27)
Lithuania	HQ-13CA,B	D	Lithuanian (if ITLANG = 27) / Polish (if ITLANG = 22 or 29)
Malta	HQ-13CA-EB	X	Option not administered or data not available
Malta	HQ-13BA,B	D	Maltese
Montenegro	HQ-13AA-GA	D	Mother or guardian
Montenegro	HQ-13AB-GB	D	Father or guardian
Montenegro	HQ-13AA,B	D	Montenegrin
Montenegro	HQ-13BA,B	D	Serbian
Montenegro	HQ-13CA,B	D	Bosnian
Montenegro	HQ-13DA,B	D	Croatian
Montenegro	HQ-13EA,B	D	Albanian
Montenegro	HQ-13FA,B	D	Roma / Other
Morocco	HQ-13	D	The father of the child (or guardian) and the mother of the child (or guardian)
Morocco	HQ-13AA-GA	D	The child's father or guardian
Morocco	HQ-13AB-GB	D	The child's mother or guardian
Morocco	HQ-13BA,B	D	Amazigh language
Morocco	HQ-13CA,B	D	French language
Morocco	HQ-13DA,B	D	English language
Morocco	HQ-13EA,B	D	Spanish language
New Zealand	HQ-13BA,B	D	Māori

New Zealand	HQ-13CA,B	D	A Pacific Island language (e.g., Samoan, Tongan, Niuean)
New Zealand	HQ-13DA,B	D	An Asian language (e.g., Mandarin, Korean, Hindi, Tagalog)
New Zealand	HQ-13EA,B	D	New Zealand Sign Language
New Zealand	HQ-13FA,B	D	Another language (e.g., Afrikaans, Somali)
North Macedonia	HQ-13AA,B	D	Macedonian language (if ITLANG = 23) / Albanian language (if ITLANG = 5)
North Macedonia	HQ-13BA,B	D	Albanian language (if ITLANG = 23) / Macedonian language (if ITLANG = 5)
North Macedonia	HQ-13CA,B	D	Turkish language
North Macedonia	HQ-13DA,B	D	Serbian language
North Macedonia	HQ-13EA,B	D	Vlach language
Northern Ireland	HQ-13AA-GA	D	Parent or Guardian A
Northern Ireland	HQ-13AB-GB	D	Parent or Guardian B
Northern Ireland	HQ-13BA,B	D	Irish
Northern Ireland	HQ-13CA,B	D	Polish
Northern Ireland	HQ-13DA,B	D	Lithuanian
Northern Ireland	HQ-13EA,B	D	Portuguese
Northern Ireland	HQ-13FA,B	D	Chinese / Other
Norway	HQ-13	D	Stem of the question changed: In which language do the guardians speak with the child?
Norway	HQ-13AA-GA	D	Mother (or female guardian)
Norway	HQ-13AB-GB	D	Father (or male guardian)
Norway	HQ-13BA-EB	X	Option not administered or data not available
Oman	HQ-13AA-GA	D	Child's mother or female guardian
Oman	HQ-13AB-GB	D	Child's father or male guardian
Oman	HQ-13AA,B	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)

Oman	HQ-13BA,B	D	Arabic (if ITLANG = 1) / English (if ITLANG = 53)
Oman	HQ-13CA,B	D	Swahili
Oman	HQ-13DA,B	D	Urdu (Baluchi)
Oman	HQ-13EA,B	D	Persian (if ITLANG = 1) / Persian (Lawatian) (if ITLANG = 53)
Pakistan	HQ-13AA-GA	D	Father or Guardian A
Pakistan	HQ-13AB-GB	D	Mother or Guardian B
Pakistan	HQ-13AA,B	D	English (if ITLANG = 1) / Urdu (if ITLANG = 80) / Sindhi (if ITLANG = 81)
Pakistan	HQ-13BA,B	D	Urdu (if ITLANG = 1) / Balochi (if ITLANG = 80 or 81)
Pakistan	HQ-13CA,B	D	Balochi (if ITLANG = 1) / Pashto (if ITLANG = 80 or 81)
Pakistan	HQ-13DA,B	D	Pashto (if ITLANG = 1) / Punjabi (if ITLANG = 80 or 81)
Pakistan	HQ-13EA,B	D	Punjabi (if ITLANG = 1) / Sindhi (if ITLANG = 80) / Urdu (if ITLANG = 81)
Pakistan	HQ-13FA,B	D	Sindhi (if ITLANG = 1) / Other (if ITLANG = 80 or 81)
Philippines	HQ-13AA-GA	D	Father or Guardian A
Philippines	HQ-13AB-GB	D	Mother or Guardian B
Philippines	HQ-13AA,B	D	English
Philippines	HQ-13BA,B	D	Akeanon or Akianon
Philippines	HQ-13CA,B	D	Bikol
Philippines	HQ-13DA,B	D	Chavacano or Chabacano
Philippines	HQ-13EA,B	D	Hiligaynon
Philippines	HQ-13FA,B	D	Ibanag or Ybanag / Ilokano or Iloko / Ivatan / Kapampangan / Kinaray-a / Maguindanaon / Maranao / Pangasinan or Pangasinense / Sambal / Sinugbuanon Binisaya / Surigaonon / Tagalog / Tausug / Waray / Yakan / Other languages
Philippines	HQ-13GA,B	X	Option not administered or data not available
Poland	HQ-13AA-GA	D	Father (stepfather, guardian)

Poland	HQ-13AB-GB	D	Mother (stepmother, guardian)
Poland	HQ-13BA,B	D	English
Poland	HQ-13CA,B	D	Belorussian
Poland	HQ-13DA,B	D	German
Poland	HQ-13EA,B	D	Russian
Poland	HQ-13FA,B	D	Ukrainian / Vietnamese / Other
Portugal	HQ-13	D	Parents (or legal guardians)
Portugal	HQ-13AA-GA	D	Mother (or legal guardian)
Portugal	HQ-13AB-GB	D	Father (or legal guardian)
Portugal	HQ-13BA,B	D	Creole
Portugal	HQ-13CA,B	D	Ukrainian
Portugal	HQ-13DA,B	D	Chinese
Portugal	HQ-13EA,B	D	English
Qatar	HQ-13AA-GA	D	Father or male guardian
Qatar	HQ-13AB-GB	D	Mother or female guardian
Qatar	HQ-13AA,B	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Qatar	HQ-13BA,B	D	Arabic (if ITLANG = 1) / English (if ITLANG = 53)
Qatar	HQ-13CA,B	D	Persian
Qatar	HQ-13DA,B	D	Urdu
Qatar	HQ-13EA,B	D	Swahili language (Somali language)
Russian Federation	HQ-13	D	Father (or male guardian) and mother (or female guardian)
Russian Federation	HQ-13AA-GA	D	Child's father
Russian Federation	HQ-13AB-GB	D	Child's mother
Russian Federation	HQ-13BA-EB	X	Option not administered or data not available
Russian Federation	HQ-13GA,B	D	It is difficult to answer

Saudi Arabia	HQ-13AA,B	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Saudi Arabia	HQ-13BA,B	D	Arabic (if ITLANG = 1) / English (if ITLANG = 53)
Saudi Arabia	HQ-13CA,B	D	Urdu language
Saudi Arabia	HQ-13DA,B	D	Filipino language
Saudi Arabia	HQ-13EA,B	D	Indonesian language
Serbia	HQ-13AA-GA	D	Mother or guardian
Serbia	HQ-13AB-GB	D	Father or guardian
Serbia	HQ-13BA,B	D	Roma
Serbia	HQ-13CA,B	D	Hungarian
Serbia	HQ-13DA,B	D	Bosnian
Serbia	HQ-13EA,B	D	Albanian
Singapore	HQ-13AA-GA	D	Father or male guardian
Singapore	HQ-13AB-GB	D	Mother or female guardian
Singapore	HQ-13BA,B	D	Mandarin
Singapore	HQ-13CA,B	D	Malay
Singapore	HQ-13DA,B	D	Tamil
Singapore	HQ-13EA,B	D	A Chinese dialect
Slovak Republic	HQ-13	D	Parents or legal representatives
Slovak Republic	HQ-13AA-GA	D	Mother or legal representative
Slovak Republic	HQ-13AB-GB	D	Father or legal representative
Slovak Republic	HQ-13AA,B	D	Slovak (if ITLANG = 30) / Hungarian (if ITLANG = 17)
Slovak Republic	HQ-13BA,B	D	Hungarian (if ITLANG = 30) / Slovak (if ITLANG = 17)
Slovak Republic	HQ-13CA,B	D	Roma language
Slovak Republic	HQ-13DA,B	D	Czech language
Slovak Republic	HQ-13EA,B	D	Ruthenian language

South Africa	HQ-13AA-GA	D	Father or Parent A
South Africa	HQ-13AB-GB	D	Mother or Parent B
South Africa	HQ-13AA,B	D	English
South Africa	HQ-13BA,B	D	Afrikaans
South Africa	HQ-13CA,B	D	IsiNdebele
South Africa	HQ-13DA,B	D	Sepedi
South Africa	HQ-13FA,B	D	Seswati / Setswana / Tshivenda / IsiXhosa / IsiZulu / Xitsonga / Other
Spain	HQ-13	D	Parents or legal guardians
Spain	HQ-13AA-GA	D	Father, mother or legal guardian A
Spain	HQ-13AB-GB	D	Father, mother or legal guardian B
Spain	HQ-13AA,B	D	Spanish (if ITLANG = 2 or 57) / Catalan (if ITLANG = 49) / Basque (if ITLANG = 51) / Valencian (if ITLANG = 52)
Spain	HQ-13BA,B	D	Spanish (if ITLANG = 49, 51 or 52) / Catalan (if ITLANG = 2 or 57)
Spain	HQ-13CA,B	D	Catalan (if ITLANG = 51 or 52) / Galician (if ITLANG = 2, 49 or 57)
Spain	HQ-13DA,B	D	Valencian (if ITLANG = 2, 49 or 57) / Galician (if ITLANG = 51 or 52)
Spain	HQ-13EA,B	D	Basque (if ITLANG = 2, 49, 52 or 57) / Valencian (if ITLANG = 51)
Sweden	HQ-13BA-EB	X	Option not administered or data not available
Turkey	HQ-13	D	Father (or stepfather or male parent) / Mother (or stepmother or female parent)
Turkey	HQ-13AA-GA	D	Child's father
Turkey	HQ-13AB-GB	D	Child's mother
Turkey	HQ-13BA-EB	X	Option not administered or data not available
United Arab Emirates	HQ-13AA-GA	D	Father or male guardian

United Arab Emirates	HQ-13AB-GB	D	Mother or female guardian
United Arab Emirates	HQ-13AA,B	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
United Arab Emirates	HQ-13BA,B	D	Arabic (if ITLANG = 1) / English (if ITLANG = 53)
United Arab Emirates	HQ-13CA,B	D	Persian
United Arab Emirates	HQ-13DA,B	D	Urdu
United Arab Emirates	HQ-13EA,B	D	Tagalog

Benchmarking Participants

Ontario, Canada	HQ-13AA,B	D	English (if ITLANG = 1) / French (if ITLANG = 3)
Ontario, Canada	HQ-13BA,B	D	French (if ITLANG = 1) / English (if ITLANG = 3)
Ontario, Canada	HQ-13CA-EB	X	Option not administered or data not available
Quebec, Canada	HQ-13AA,B	D	English (if ITLANG = 1) / French (if ITLANG = 3)
Quebec, Canada	HQ-13BA,B	D	French (if ITLANG = 1) / English (if ITLANG = 3)
Quebec, Canada	HQ-13CA-EB	X	Option not administered or data not available
Moscow City, Russian Fed.	HQ-13	D	Father (or male guardian) and mother (or female guardian)
Moscow City, Russian Fed.	HQ-13AA-GA	D	Child's father
Moscow City, Russian Fed.	HQ-13AB-GB	D	Child's mother
Moscow City, Russian Fed.	HQ-13GA,B	D	It is difficult to answer
Moscow City, Russian Fed.	HQ-13BA-EA	X	Option not administered or data not available
Madrid, Spain	HQ-13	D	Parents or legal guardians
Madrid, Spain	HQ-13AA-GA	D	Father, mother or legal guardian A
Madrid, Spain	HQ-13AB-GB	D	Father, mother or legal guardian B
Madrid, Spain	HQ-13AA,B	D	Spanish (if ITLANG = 2 or 57) / Catalan (if ITLANG = 49) / Basque (if ITLANG = 51) / Valencian (if ITLANG = 52)
Madrid, Spain	HQ-13BA,B	D	Spanish (if ITLANG = 49, 51 or 52) / Catalan (if ITLANG = 2 or 57)

Madrid, Spain	HQ-13CA,B	D	Catalan (if ITLANG = 51 or 52) / Galician (if ITLANG = 2, 49 or 57)
Madrid, Spain	HQ-13DA,B	D	Valencian (if ITLANG = 2, 49 or 57) / Galician (if ITLANG = 51 or 52)
Madrid, Spain	HQ-13EA,B	D	Basque (if ITLANG = 2, 49, 52 or 57) / Valencian (if ITLANG = 51)
Abu Dhabi, UAE	HQ-13AA-GA	D	Father or male guardian
Abu Dhabi, UAE	HQ-13AB-GB	D	Mother or female guardian
Abu Dhabi, UAE	HQ-13AA,B	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Abu Dhabi, UAE	HQ-13BA,B	D	Arabic (if ITLANG = 1) / English (if ITLANG = 53)
Abu Dhabi, UAE	HQ-13CA,B	D	Persian
Abu Dhabi, UAE	HQ-13DA,B	D	Urdu
Abu Dhabi, UAE	HQ-13EA,B	D	Tagalog
Dubai, UAE	HQ-13AA-GA	D	Father or male guardian
Dubai, UAE	HQ-13AB-GB	D	Mother or female guardian
Dubai, UAE	HQ-13AA,B	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Dubai, UAE	HQ-13BA,B	D	Arabic (if ITLANG = 1) / English (if ITLANG = 53)
Dubai, UAE	HQ-13CA,B	D	Persian
Dubai, UAE	HQ-13DA,B	D	Urdu
Dubai, UAE	HQ-13EA,B	D	Tagalog

HQ-14

Question:

How often does your child speak <language of test> at home?

- 1 = Always
- 2 = Almost always
- 3 = Sometimes
- 4 = Never

Variable Name(s): ASBH14

Country	Item ID	Code	Documentation
Azerbaijan	HQ-14	D	Russian (if ITLANG = 29) / Azerbaijani (if ITLANG = 55)
Bahrain	HQ-14	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Bosnia and Herzegovina	HQ-14	D	Bosnian language (if ITLANG = 37) / Croatian language (if ITLANG = 56) / Serbian language (if ITLANG = 69)
Canada	HQ-14	D	English (if ITLANG = 1) / French (if ITLANG = 3)
Croatia	HQ-14	D	Croatian (if ITLANG = 56) / Not administered (if ITLANG = 20)
Cyprus	HQ-14	D	Greek (if ITLANG = 44) / English (if ITLANG = 1)
Finland	HQ-14	D	Finnish (if ITLANG = 43) / Swedish (if ITLANG = 32)
Hong Kong SAR	HQ-14	D	English (if ITLANG = 1) / Chinese (if ITLANG = 10)
Ireland	HQ-14	D	Stem of the question changed: How often does your child speak either English or Irish at home?
Kazakhstan	HQ-14	D	Kazakh (if ITLANG = 39) / Russian (if ITLANG = 29)
Kuwait	HQ-14	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Latvia	HQ-14	D	Latvian (if ITLANG = 21) / Russian (if ITLANG = 29)
Lithuania	HQ-14	D	Language that student is taught in school
North Macedonia	HQ-14	D	Macedonian language (if ITLANG = 23) / Albanian language (if ITLANG = 5)

Pakistan	HQ-14	D	English (if ITLANG = 1) / Urdu (if ITLANG = 80) / Sindhi (if ITLANG = 81)
Qatar	HQ-14	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Saudi Arabia	HQ-14	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Slovak Republic	HQ-14	D	Slovak (if ITLANG = 30) / Hungarian (if ITLANG = 17)
South Africa	HQ-14	D	English (if ITLANG = 1) / Afrikaans (if ITLANG = 4)
Spain	HQ-14	D	Spanish (if ITLANG = 2 or 57) / Catalan (if ITLANG = 49) / Basque (if ITLANG = 51) / Valencian (if ITLANG = 52)
United Arab Emirates	HQ-14	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Benchmarking Participants			
Ontario, Canada	HQ-14	D	English (if ITLANG = 1) / French (if ITLANG = 3)
Quebec, Canada	HQ-14	D	English (if ITLANG = 1) / French (if ITLANG = 3)
Madrid, Spain	HQ-14	D	Spanish (if ITLANG = 2 or 57) / Catalan (if ITLANG = 49) / Basque (if ITLANG = 51) / Valencian (if ITLANG = 52)
Abu Dhabi, UAE	HQ-14	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Dubai, UAE	HQ-14	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)

HQ-15A-B

Question:

What is the highest level of education completed by the child's <parents/guardians>?

A: <Parent/Guardian A>

B: <Parent/Guardian B>

1 = Did not go to school

2 = Some <Primary education— ISCED Level 1 or Lower secondary education—ISCED Level 2>

3 = <Lower secondary education— ISCED Level 2>

4 = <Upper secondary education— ISCED Level 3>

5 = <Post-secondary, non-tertiary education—ISCED Level 4>

6 = <Short-cycle tertiary education—ISCED Level 5>

7 = <Bachelor's or equivalent level—ISCED Level 6>

8 = <Postgraduate degree: Master's—ISCED Level 7 or Doctor—ISCED Level 8>

9 = Not applicable

Variable Name(s):

ASBH15A, ASBH15B

Country	Item ID	Code	Documentation
Albania	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = Some primary education or lower secondary education 3 = Lower secondary education 4 = Upper secondary education 5 = Post-secondary, non-tertiary education 6 = Short-cycle tertiary education 7 = Bachelor's or equivalent level 8 = Postgraduate degree: Master's or Doctor 9 = Not applicable
Albania	HQ-15A	D	Father
Albania	HQ-15B	D	Mother

Armenia	HQ-15A-B	D	Parents (or guardians) Nationally defined categories: 1 = Did not go to school 2 = Some grades of primary school 3 = Main school 4 = High School 5 = Secondary professional 6 = Higher non-professional 7 = Bachelor's 8 = Master's or academic degree 9 = Not applicable
Armenia	HQ-15A	D	Child's father or guardian
Armenia	HQ-15B	D	Child's mother or guardian
Austria	HQ-15A-B	D	National categories recoded for international comparability: 1 = Did not go to school 2 = Did not finish compulsory school 3 = Compulsory school (general secondary school, academic secondary academic school - lower level or special school / Pre-vocational year or 1-2-year home-economic school or short course (e.g., course for the training auxiliary nurses) 4 = Vocational school for apprentices / 3–4-year school for intermediate vocational education (e.g. business school) / Secondary school for technical health professions / Academic secondary school with a secondary school-leaving certificate 5 = Secondary school for nursing 6 = College for higher vocational education with a secondary school-leaving certificate (e.g., business college, technical college, economic college, college for pre-primary education) / Master craftsmen and foremen course / Academy of teacher education, social academy or post-secondary VET course 7 = Baccalaureate at a university college of teacher education, university or advanced technical college 8 = Master or diploma at the university or advanced technical college / Doctor's degree at a university 9 = I don't know
Austria	HQ-15A	D	Father
Austria	HQ-15B	D	Mother

Azerbaijan	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = Primary education 3 = General secondary education 4 = Full secondary education 5 = First vocational education 6 = Secondary vocational education 7 = Bachelor's or equivalent level 8 = Master's or Doctor 9 = Not applicable
Azerbaijan	HQ-15A	D	Parent or Guardian 1
Azerbaijan	HQ-15B	D	Parent or Guardian 2
Bahrain	HQ-15A-B	D	National categories recoded for international comparability: 1 = Did not go to school 2 = Some primary or intermediate education 3 = Intermediate education 4 = Secondary education 5 = Diploma 6 = Option not administered or data not available 7 = Bachelor's degree 8 = Master's or PhD 9 = Not applicable
Belgium (Flemish)	HQ-15A-B	D	National categories recoded for international comparability: 1 = Did not go to school 2 = Went to primary school / Went to special secondary education 3 = First grade (first two years) of secondary education 4 = Six years of secondary education (vocational, general, arts or technical) 5 = Year of specialization or 7th year in secondary education 6 = Short higher vocational education (HBO5) after secondary education 7 = Professional or academic Bachelor degree (university college program of 1 cycle or candidate at university) 8 = Master, licentiate or Doctorate (PhD) (university college with 2 cycles or university) completed 9 = Not applicable

Bosnia and Herzegovina	HQ-15A-B	D	Nationally defined categories: 1 = Did not attend school 2 = Lower grades of primary school 3 = Primary school 4 = Secondary education, vocational or grammar school 5 = Post secondary non-tertiary education 6 = Post secondary education 7 = First-degree academic studies 8 = Postgraduate studies: Master's, Specialist or PhD studies (in science or arts) 9 = Not applicable
Bosnia and Herzegovina	HQ-15A	D	Mother or guardian
Bosnia and Herzegovina	HQ-15B	D	Father or guardian
Bulgaria	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = Primary education 3 = Lower secondary education 4 = Upper secondary education 5 = Vocational education after upper 6 = Higher education (Professional Bachelor) 7 = Higher education (Bachelor) 8 = Higher education (Master or Doctor) 9 = Not applicable
Bulgaria	HQ-15A	D	Father
Bulgaria	HQ-15B	D	Mother
Canada	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = Some primary education or Grade 7 or Secondary 1 3 = Grade 8 or Secondary 2 4 = High school 5 = College or cégep (three-year vocational training), registered apprenticeship, trade certificate 6 = College or cégep (two-year pre-university) 7 = Bachelor's degree 8 = Master's or Doctoral degree 9 = Not applicable

Chile	HQ-15A-B	D	National categories recoded for international comparability: 1 = Did not go to school 2 = First primary cycle (1st to 6th grade) 3 = Second primary cycle (7th to 8th grade) 4 = Secondary education 5 = Category not administered or data not available 6 = Short cycle tertiary education (professional institute or center of vocational development) 7 = Bachelor's education in university 8 = Postgraduate education (Master's or Doctorate) 9 = Not applicable
Chinese Taipei	HQ-15A-B	D	National categories recoded for international comparability: 1 = Did not go to school 2 = Did not finish elementary school program / Elementary school program 3 = Junior high school program 4 = Senior high school or vocational school program 5 = Junior college or two-year college program 6 = Category not administered or data not available 7 = Two-year college of technology or four-year college of technology program / University program 8 = Master's program / PhD program 9 = Not applicable
Chinese Taipei	HQ-15A	D	Child's father (stepfather or male guardian)
Chinese Taipei	HQ-15B	D	Child's mother (stepmother or female guardian)
Croatia	HQ-15A-B	D	National categories recoded for international comparability: 1 = Did not go to school 2 = Category not administered or data not available 3 = Elementary school 4 = Three year high school / Four or five year high school 5 = Non-university professional education after high school: re-qualification 6 = Non-university higher education: two or three years of higher school, one or two years study, or both 7 = Undergraduate university or undergraduate professional degree (Bachelor) 8 = Graduate university or graduate professional degree (Master) / Postgraduate university education, Master of Science or Doctorate of Science 9 = Not applicable
Croatia	HQ-15A	D	Parent or Guardian A: Father (stepfather) or male guardian

Croatia	HQ-15B	D	Parent or Guardian B: Mother (stepmother) or female guardian
Cyprus	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = Some primary education or lower secondary education 3 = Lower secondary education 4 = Upper secondary education (general or vocational) 5 = Post-secondary, non-tertiary education (i.e. hairstyling school, secretarial studies) 6 = Non-university diploma (i.e. Pedagogical Academy, diploma from technological educational institution, Higher Technological Institute, nursing school, etc) 7 = Bachelor's degree 8 = Postgraduate degree: Master's or Doctoral degree 9 = Not applicable
Cyprus	HQ-15A	D	Father
Cyprus	HQ-15B	D	Mother
Czech Republic	HQ-15A-B	D	National categories recoded for international comparability: 1 = Did not go to school 2 = Did not finish primary school 3 = Primary school 4 = High school or a vocational program without maturita / High school or a vocational program with maturita 5 = Extension study 6 = Higher professional school or conservatory 7 = University - Bachelor's degree 8 = University - Master's degree or higher 9 = Not applicable
Czech Republic	HQ-15A	D	Mother (or stepmother or female guardian)
Czech Republic	HQ-15B	D	Father (or stepfather or male guardian)
Denmark	HQ-15A-B	D	National categories recoded for international comparability: 1 = Did not go to school 2 = Some of grades 1-8 (primary and secondary school) 3 = Grades 9-10 (secondary school) 4 = High school 5 = Short education of less than 2 years 6 = Short tertiary education of at least 2 years 7 = Tertiary education of at least 3 years at Bachelor level 8 = Tertiary education of 5 years at Master level / Doctor, Ph.D. or equivalent 9 = Not applicable

Denmark	HQ-15A	D	Mother or female guardian
Denmark	HQ-15B	D	Father or male guardian
Finland	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = Some primary education or lower secondary education 3 = Lower secondary education 4 = Upper secondary education 5 = Post-secondary, non-tertiary education 6 = Short-cycle tertiary education 7 = Bachelor's or equivalent level 8 = Postgraduate degree: Master's or Doctor 9 = Not applicable
Finland	HQ-15A	D	Mother or Guardian A
Finland	HQ-15B	D	Father or Guardian B
France	HQ-15A-B	D	Father (or stepfather or guardian) and mother (or stepmother or guardian) Nationally defined categories: 1 = Did not go to school 2 = Did not complete the 1st cycle of secondary school (college) 3 = 1st cycle of secondary studies (college) 4 = 2nd cycle of the second professional degree (BEP, BP, Bac Pro), technological (Bac techno) or general (Bac general) 5 = Pre-university education (e.g., Jurisdiction) 6 = Short higher education (DUT, BTS, CPGE, DEUG, L2, ...) 7 = License or equivalent 8 = Long-term university teaching (Master, Master, DEA, DESS, Doctorate, ...) 9 = Not applicable
France	HQ-15A	D	Father of the child
France	HQ-15B	D	Mother of the child

Georgia	HQ-15A-B	D	<p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Primary (4 grades) level or incomplete basic (below grade 9) level of general education</p> <p>3 = Basic level of general education (9 grades)</p> <p>4 = Secondary level of general education (10-12 grades)</p> <p>5 = Vocational school (based on 10-12 grade, e.g., college, Proftechnicum)</p> <p>6 = Higher vocational school (Proftechnicum)</p> <p>7 = First degree higher education (Bachelor's)</p> <p>8 = Further degrees of higher education (Master's, 5-year education prior to 2005 equivalent to Master's, or scientific degree such as Candidate Doctor's)</p> <p>9 = Not applicable</p>
Georgia	HQ-15A	D	Mother (female guardian)
Georgia	HQ-15B	D	Father (male guardian)

Germany	HQ-15A-B	D	<p>Stem of the question changed:</p> <p>Which educational and vocational degrees do the father (or stepfather or another legal male guardian) and the mother (or stepmother or another legal female guardian) of the child obtain?</p> <p>National categories recoded for international comparability:</p> <p>1 = No educational degree // No vocational degree</p> <p>2 = Category not administered or data not available</p> <p>3 = Secondary modern school degree (or grade school degree/degree of the polytechnic secondary school after eighth grade) // Junior high school degree (or intermediate school-leaving certificate/degree of the polytechnic secondary school after tenth grade) // Other educational degree // Semi-skilled training/internship/occupation preparation year</p> <p>4 = University of applied science degree // Abitur (higher education entrance qualification) // Completion of apprenticeship training (vocational school, apprenticeship) or preparatory service for the intermediate service in public administration // Professional qualifying degree of a vocational college/college or degree of a one-year training at a school of healthcare</p> <p>5 = (University of applied science degree or Abitur (higher education entrance qualification)) and (completion of apprenticeship training (vocational school, apprenticeship) or preparatory service for the intermediate service in public administration or professional qualifying degree of a vocational college/college or degree of a one-year training at a school of healthcare)</p> <p>6 = Master-/technician- or equivalent college degree, degree of a two- or three-year training at a school of healthcare, degree of a specialist academy or a professional academy // Degree at administrative college</p> <p>7 = Bachelor degree (at a university or technical college)</p> <p>8 = Master degree (at a university or technical college) // Other degree at a university or technical college // Ph.D.</p> <p>9 = Not applicable</p>
Germany	HQ-15A	D	Father
Germany	HQ-15B	D	Mother

Hong Kong SAR	HQ-15A-B	D	<p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Some primary education or junior secondary education</p> <p>3 = Junior secondary education</p> <p>4 = Senior secondary education</p> <p>5 = Vocational training after senior secondary education</p> <p>6 = Certificate, a diploma, or an Associate degree</p> <p>7 = Bachelor's degree</p> <p>8 = Master's degree or Doctoral degree</p> <p>9 = Not applicable</p>
Hong Kong SAR	HQ-15A	D	Mother or female guardian
Hong Kong SAR	HQ-15B	D	Father or male guardian
Hungary	HQ-15A-B	D	<p>Parents or guardians</p> <p>National categories recoded for international comparability:</p> <p>1 = Did not go to school</p> <p>2 = Did not finish general school</p> <p>3 = General school (grade 8)</p> <p>4 = Vocational school / Secondary vocational school with matura / Grammar school with matura</p> <p>5 = Vocational programs, usually two years, based on Maturity examination (e.g., dental technician, jeweler)</p> <p>6 = Accredited post secondary vocational programs (e.g., customs administrator, social insurance administrator)</p> <p>7 = College or university BA level</p> <p>8 = University or university MA level / Higher than university or university MA level (e.g., PhD, university post-graduate program)</p> <p>9 = Not applicable for this person</p>
Hungary	HQ-15A	D	Mother or stepmother or foster mother
Hungary	HQ-15B	D	Father or stepfather or foster father
Iran, Islamic Rep. of	HQ-15A-B	D	<p>Parents or guardians</p> <p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Some primary education</p> <p>3 = Middle school (lower secondary education)</p> <p>4 = High school or vocational school diploma</p> <p>5 = Pre-university</p> <p>6 = Associate diploma</p> <p>7 = Bachelor's degree</p> <p>8 = Master's or Ph.D. degree</p> <p>9 = Not applicable</p>

Iran, Islamic Rep. of	HQ-15A	D	Mother (female guardian)
Iran, Islamic Rep. of	HQ-15B	D	Father (male guardian)
Ireland	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = Some primary or secondary education 3 = Junior Cert. or Inter. Cert. or Group Cert. 4 = Leaving Cert. 5 = A Post-Leaving Cert. (PLC) course or apprenticeship 6 = A third-level certificate or diploma (e.g., from an Institute of Technology) 7 = An undergraduate degree (e.g., Bachelor's) 8 = A postgraduate degree (e.g., Master's) 9 = Not applicable
Ireland	HQ-15A	D	Parent or Guardian A (for example, mother)
Ireland	HQ-15B	D	Parent or Guardian B (for example, father)
Italy	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = Did not complete elementary school (primary education) or middle school (lower secondary education) 3 = Middle school certificate (lower secondary education) 4 = High school diploma (upper secondary education) 5 = Post-secondary, non-tertiary education diploma 6 = Short-cycle tertiary education diploma (e.g., nursing diploma) 7 = Bachelor's or equivalent level 8 = Postgraduate degree (e.g., Master's or Doctor) 9 = Not applicable
Japan	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = Elementary school 3 = Lower secondary school 4 = Upper secondary school 5 = Advanced course of upper secondary school 6 = Junior college, college of technology, or specialized training college (post-secondary course) 7 = University or college 8 = Graduate school 9 = Not applicable
Japan	HQ-15A	D	Father
Japan	HQ-15B	D	Mother

Kazakhstan	HQ-15A-B	D	National categories recoded for international comparability: 1 = Did not go to school 2 = Some primary education 3 = Lower secondary education 4 = Upper secondary education 5 = Technical and professional education / Post-secondary education 6 = Category not administered or data not available 7 = Higher education (Bachelor) 8 = Postgraduate degree: Master's or Doctor 9 = Not applicable
Kazakhstan	HQ-15A	D	Father or male guardian
Kazakhstan	HQ-15B	D	Mother or female guardian
Korea, Rep. of	HQ-15A-B	D	National categories recoded for international comparability: 1 = Did not attend school 2 = Graduated from elementary school and did not complete middle school 3 = Middle school 4 = High school 5 = Option not administered or data not available 6 = Two- or three-year college 7 = Four-year university 8 = Graduate school (Master or Doctoral degree) 9 = Not applicable
Korea, Rep. of	HQ-15A	D	Father (or male guardian)
Korea, Rep. of	HQ-15B	D	Mother (or female guardian)
Kosovo	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = Some primary education 1 or lower secondary education 2 3 = Lower secondary education 4 = Upper secondary education 5 = Post-secondary, non-tertiary education 6 = Short-cycle tertiary education 7 = Bachelor's or equivalent level 8 = Postgraduate degree: Master's or Doctor 9 = Not applicable
Kosovo	HQ-15A	D	Father
Kosovo	HQ-15B	D	Mother

Kuwait	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = Some primary education or lower secondary education 3 = Lower secondary education 4 = Upper secondary education 5 = Post secondary education (diploma) 6 = Short cycle tertiary education 7 = Bachelor's or equivalent level 8 = Postgraduate degree: Master's or Doctor 9 = Not Applicable
Kuwait	HQ-15A	D	Father or guardian
Kuwait	HQ-15B	D	Mother or guardian
Latvia	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = Some primary education or lower secondary education 3 = Lower secondary education 4 = Upper secondary education 5 = Non-tertiary vocational education 6 = Short-cycle tertiary education (college) 7 = Bachelor's degree 8 = Master's degree or Doctor's degree 9 = Not applicable
Latvia	HQ-15A	D	Mother or Guardian A
Latvia	HQ-15B	D	Father or guardian
Lithuania	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = Incomplete primary or incomplete lower secondary education 3 = Lower secondary education 4 = Upper secondary education 5 = Vocational (already having secondary education) 6 = Further (finished further education school or technical school) 7 = Bachelor's or vocational Bachelor degree 8 = Master's or Doctor's degree 9 = Not applicable
Lithuania	HQ-15A	D	Mother (guardian)
Lithuania	HQ-15B	D	Father (guardian)

Malta	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = Some primary or secondary education 3 = Secondary education 4 = At least 5 SEC exams at grades 1 to 7 or VET Level 3 or MATSEC Certificate 5 = VET National Diploma or equivalent 6 = Undergraduate certificate or diploma or equivalent 7 = Bachelor's degree or equivalent level 8 = Postgraduate degree: Master's, Doctorate or equivalent 9 = Not applicable
Montenegro	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to primary school 2 = Lower primary school 3 = Primary school 4 = Vocational (3 years) school 5 = High vocational (4 years) or gymnasium 6 = High school 7 = Basic university studies 8 = Postgraduate studies: Master or PhD studies 9 = Not applicable
Montenegro	HQ-15A	D	Mother or Guardian A
Montenegro	HQ-15B	D	Father or Guardian B
Morocco	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = Part of the primary school or part of lower secondary school 3 = Lower secondary school 4 = Upper secondary school 5 = Preparatory classes 6 = Diploma of university studies 7 = Bachelor's degree or equivalent 8 = Master's degree or Doctorate 9 = Not applicable
Morocco	HQ-15A	D	Father of the child (or guardian)
Morocco	HQ-15B	D	Mother of the child (or guardian)

New Zealand	HQ-15A-B	D	<p>National categories recoded for international comparability:</p> <p>1 = Did not go to school</p> <p>2 = Some schooling but did not finish 4th form - Year 10</p> <p>3 = Schooling up to the end of 4th form - Year 10 / Schooling with School Certificate or NCEA Level 1</p> <p>4 = 6th or 7th form (Year 12 or 13) and gained a university entrance qualification</p> <p>5 = Trade - apprenticeship qualification or national certificate (NZQF Levels 3-5, e.g., hairdressing)</p> <p>6 = National diploma (e.g., National Diploma in Science) or vocational diploma (e.g., Diploma of Nursing)</p> <p>7 = 3-year university diploma or a Bachelor's degree</p> <p>8 = Postgraduate degree (e.g., Honors, Master's, PhD)</p> <p>9 = Not applicable</p>
North Macedonia	HQ-15A-B	D	<p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Primary education</p> <p>3 = Three-year secondary education</p> <p>4 = Four-year secondary education</p> <p>5 = Post-secondary specialist education</p> <p>6 = Two years faculty</p> <p>7 = Bachelor's level</p> <p>8 = Master's or Doctoral studies</p> <p>9 = Not applicable</p>
Northern Ireland	HQ-15A-B	D	<p>National categories recoded for international comparability:</p> <p>1 = Did not go to school</p> <p>2 = Attended school but did not follow O-level or GCSE course</p> <p>3 = O-level or GCSE course followed / 1-4 O-level or GCSE (A*-C passes) or Foundation Diploma or GNVQ Foundation or NVQ Level 1 or BTEC Certificate</p> <p>4 = 5 or more O-Level or GCSE (A*-C passes) or Higher Diploma or NVQ Level 2 or GNVQ Intermediate or BTEC Diploma or trade apprenticeship / AS/A-level or Advanced Diploma or NVQ Level 3 or GNVQ Advanced or International Baccalaureate / Access course for higher education</p> <p>5 = Option not administered or data not available</p> <p>6 = HNC or HND or BTEC Higher</p> <p>7 = Bachelor's degree</p> <p>8 = Master's degree or Doctorate</p> <p>9 = Not applicable</p>
Northern Ireland	HQ-15A	D	Parent or Guardian A
Northern Ireland	HQ-15B	D	Parent or Guardian B

Norway	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = Some primary or lower secondary school 3 = Lower secondary school 4 = Upper secondary school 5 = Education beyond upper secondary school, but not university or university college 6 = University or university college education, 1-2 years 7 = University or university college, at least 3 years (Bachelor's degree, cand.mag or equivalent) 8 = University or university college, at least 5 years (Master's degree or equivalent, or PhD) 9 = Not relevant
Norway	HQ-15A	D	Mother (or female guardian)
Norway	HQ-15B	D	Father (or male guardian)
Oman	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = Some primary education or lower secondary education 3 = Lower secondary education 4 = Upper secondary education (General Education Diploma) 5 = Post-secondary, non-tertiary education 6 = Tertiary Education Diploma 7 = Bachelor's or equivalent level 8 = Postgraduate degree: Master's or Doctor 9 = Not applicable
Oman	HQ-15A	D	Child's mother or female guardian
Oman	HQ-15B	D	Child's father or male guardian
Pakistan	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = Some primary education 3 = Middle 4 = Matric 5 = F.A/F.Sc - Intermediate 6 = 2 year graduation 7 = B.S Hons 8 = Postgraduate degree: Master's or Doctor 9 = Not applicable
Pakistan	HQ-15A	D	Father or Guardian A
Pakistan	HQ-15B	D	Mother or Guardian B

Philippines	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = Some primary education—ISCED Level 1 or Lower secondary education—ISCED Level 2 3 = Lower secondary education—ISCED Level 2 4 = Upper secondary education—ISCED Level 3 5 = Post-secondary, non-tertiary education—ISCED Level 4 6 = Short-cycle tertiary education—ISCED Level 5 7 = Bachelor's or equivalent level—ISCED Level 6 8 = Postgraduate degree: Master's—ISCED Level 7 or Doctor—ISCED Level 8 9 = Not applicable
Philippines	HQ-15A	D	Father or Guardian A
Philippines	HQ-15B	D	Mother or Guardian B
Poland	HQ-15A-B	D	National categories recoded for international comparability: 1 = Did not go to school 2 = Option not administered or data not available 3 = Elementary or junior high school 4 = Basic vocational school / Secondary school or high school 5 = Post-secondary school 6 = Option not administered or data not available 7 = Higher studies completed by an engineer or Bachelor's degree 8 = Higher studies completed with a Master's or Doctor's degree or a Doctorate 9 = Not applicable
Poland	HQ-15A	D	Father (stepfather, guardian)
Poland	HQ-15B	D	Mother (stepmother, guardian)
Portugal	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = 1st and 2nd cycle of education 3 = 3rd cycle of education 4 = Secondary education 5 = Technological specialization course 6 = Professional higher technical course 7 = Bachelor's 8 = Master's or Doctor 9 = Not applicable
Portugal	HQ-15A	D	Mother (or legal guardian)
Portugal	HQ-15B	D	Father (or legal guardian)

Qatar	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = Some primary education 3 = Preparatory education 4 = Secondary education 5 = Post-secondary, non-tertiary education 6 = Diploma (short-cycle tertiary education, before university) 7 = Bachelor's degree or equivalent level 8 = Postgraduate degree: Master's or PhD 9 = Not applicable
Qatar	HQ-15A	D	Father or male guardian
Qatar	HQ-15B	D	Mother or female guardian
Russian Federation	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = Primary or basic education 3 = Basic general education (9 grades) 4 = Secondary general education (11 grades) 5 = Short-time course or program on the base of secondary education, initial vocational education 6 = Incomplete higher education: (two years or more) 7 = Higher education: Bachelor or equivalent (three years or more) 8 = Higher education: Master or equivalent (five years or more), second university degree; candidate or Doctor degree 9 = Difficult to answer
Russian Federation	HQ-15A	D	Child's father
Russian Federation	HQ-15B	D	Child's mother
Saudi Arabia	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = Some primary education or lower secondary education 3 = Lower secondary education 4 = Upper secondary education 5 = Post-secondary, non-tertiary education 6 = Short-cycle tertiary education 7 = Bachelor's or equivalent level 8 = Postgraduate degree: Master's or Doctor 9 = Not applicable

Serbia	HQ-15A-B	D	Nationally defined categories: 1 = Did not attend school 2 = Lower grades of primary school 3 = Primary school 4 = Secondary education, vocational or grammar school 5 = Post secondary non-tertiary education 6 = College of vocational studies 7 = First-degree academic studies 8 = Postgraduate studies: Master's, specialist or PhD studies (in science or arts) 9 = Not applicable
Serbia	HQ-15A	D	Mother or Guardian A
Serbia	HQ-15B	D	Father or Guardian B
Singapore	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = Some primary or lower secondary 3 = Lower secondary (completed Secondary 2) 4 = Upper secondary 5 = Post-secondary, non-tertiary (e.g., JC, CI, ITE) 6 = Polytechnic 7 = University Bachelor's degree 8 = Master's or Doctoral (e.g., PhD) degree 9 = Not applicable
Singapore	HQ-15A	D	Father or male guardian
Singapore	HQ-15B	D	Mother or female guardian
Slovak Republic	HQ-15A-B	D	National categories recoded for international comparability: 1 = Did not go to school 2 = Incomplete primary school 3 = Completed primary school 4 = Secondary school with vocational certificate / High school with school leaving exam 5 = Post-secondary education 6 = Higher professional education 7 = Bachelor's study 8 = Master's study or Doctoral study 9 = I cannot classify
Slovak Republic	HQ-15A	D	Mother or legal representative
Slovak Republic	HQ-15B	D	Father or legal representative

South Africa	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = Some primary school (Grade 1-8) 3 = Grade 9 4 = Grade 12 5 = Post-matric certificate 6 = Diploma 7 = First degree 8 = Master's or Doctoral degree 9 = Not applicable
South Africa	HQ-15A	D	Father or Parent A
South Africa	HQ-15B	D	Mother or Parent B
Spain	HQ-15A-B	D	National categories recoded for international comparability: 1 = Did not go to school 2 = Some primary education or compulsory secondary education (ESO) 3 = Basic general education (EGB), compulsory secondary education (ESO), social guarantee schemes or program of initial vocational training (PCPI) 4 = Baccalaureate, Polyvalent Unified Baccalaureate (BUP), preparation year for university (COU), first level of vocational training (FP I), intermediate vocational training, intermediate education in art and design or official foreign language education 5 = Category not administered or data not available 6 = Second level of vocational training (FP II), higher level of vocational training, higher studies in art and design 7 = University degree (3 years), technical engineering or technical architecture, university degree (4 years) 8 = University degree (5-6 years) or Master's / PhD 9 = Not applicable
Spain	HQ-15A	D	Father, mother or legal guardian A
Spain	HQ-15B	D	Father, mother or legal guardian B

Sweden	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = Less than 9 years in elementary school 3 = 9 years of elementary school 4 = Secondary school 5 = Tertiary education, not university college 6 = Higher education up to 2 years (e.g., university college degree) 7 = University or university college degree (e.g., Bachelor's degree) 8 = Postgraduate, Master's, licentiate or PhD-degree 9 = Not applicable
Turkey	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = Completed primary education or left primary or lower secondary education 3 = Lower secondary education 4 = Upper secondary education 5 = Post secondary vocational courses 6 = Short-cycle tertiary education 7 = Bachelor's level 8 = Master's or Doctor 9 = Not applicable
Turkey	HQ-15A	D	Child's father
Turkey	HQ-15B	D	Child's mother
United Arab Emirates	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = Some Cycle 1 (Grade 1 or Year 2 - Grade 5 or Year 6) or Cycle 2 (Grade 6 or Year 7 - Grade 9 or Year 10) 3 = Cycle 2 (Grade 6 or Year 7 - Grade 9 or Year 10) 4 = Cycle 3 (Grade 10 or Year 11 - Grade 12 or Year 13) 5 = Technical education or vocational training course 6 = College diploma 7 = Bachelor's degree 8 = Master's degree (e.g., Master of Arts degree or M.Sc.) or Doctoral degree (e.g., Ph.D. or Ed.D.) 9 = Not applicable
United Arab Emirates	HQ-15A	D	Father or male guardian
United Arab Emirates	HQ-15B	D	Mother or female guardian

Benchmarking Participants

Ontario, Canada	HQ-15A-B	D	<p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Some primary education or Grade 7 or Secondary 1</p> <p>3 = Grade 8 or Secondary 2</p> <p>4 = High school</p> <p>5 = College or cégep (three-year vocational training), registered apprenticeship, trade certificate</p> <p>6 = College or cégep (two-year pre-university)</p> <p>7 = Bachelor's degree</p> <p>8 = Master's or Doctoral degree</p> <p>9 = Not applicable</p>
Quebec, Canada	HQ-15A-B	D	<p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Some primary education or Grade 7 or Secondary 1</p> <p>3 = Grade 8 or Secondary 2</p> <p>4 = High school</p> <p>5 = College or cégep (three-year vocational training), registered apprenticeship, trade certificate</p> <p>6 = College or cégep (two-year pre-university)</p> <p>7 = Bachelor's degree</p> <p>8 = Master's or Doctoral degree</p> <p>9 = Not applicable</p>
Moscow City, Russian Fed.	HQ-15A-B	D	<p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Primary or basic education</p> <p>3 = Basic general education (9 grades)</p> <p>4 = Secondary general education (11 grades)</p> <p>5 = Short-time course or program on the base of secondary education, initial vocational education</p> <p>6 = Not completed higher education: (two years or more)</p> <p>7 = Higher education: Bachelor or equivalent (three years or more)</p> <p>8 = Higher education: Master or equivalent (five years or more), second university degree; Candidate or Doctor degree</p> <p>9 = Difficult to answer</p>
Moscow City, Russian Fed.	HQ-15A	D	Child's father
Moscow City, Russian Fed.	HQ-15B	D	Child's mother

Madrid, Spain	HQ-15A-B	D	<p>National categories recoded for international comparability:</p> <p>1 = Did not go to school</p> <p>2 = Some primary education or compulsory secondary education (ESO)</p> <p>3 = Basic general education (EGB), compulsory secondary education (ESO), social guarantee schemes or program of initial vocational training (PCPI)</p> <p>4 = Baccalaureate, Polyvalent Unified Baccalaureate (BUP), preparation year for university (COU), first level of vocational training (FP I), intermediate vocational training, intermediate education in art and design or official foreign language education</p> <p>5 = Category not administered or data not available</p> <p>6 = Second level of vocational training (FP II), higher level of vocational training, higher studies in art and design</p> <p>7 = University degree (3 years), technical engineering or technical architecture, university degree (4 years)</p> <p>8 = University degree (5-6 years) or Master's / PhD</p> <p>9 = Not applicable</p>
Madrid, Spain	HQ-15A	D	Father, mother or legal guardian A
Madrid, Spain	HQ-15B	D	Father, mother or legal guardian B
Abu Dhabi, UAE	HQ-15A-B	D	<p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Some Cycle 1 (Grade 1 or Year 2 - Grade 5 or Year 6) or Cycle 2 (Grade 6 or Year 7 - Grade 9 or Year 10)</p> <p>3 = Cycle 2 (Grade 6 or Year 7 - Grade 9 or Year 10)</p> <p>4 = Cycle 3 (Grade 10 or Year 11 - Grade 12 or Year 13)</p> <p>5 = Technical education or vocational training course</p> <p>6 = College diploma</p> <p>7 = Bachelor's degree</p> <p>8 = Master's degree (e.g., Master of Arts degree, M.Sc.) or Doctoral degree (e.g., Ph.D. or Ed.D.)</p> <p>9 = Not applicable</p>
Abu Dhabi, UAE	HQ-15A	D	Father or male guardian
Abu Dhabi, UAE	HQ-15B	D	Mother or female guardian

Dubai, UAE	HQ-15A-B	D	Nationally defined categories: 1 = Did not go to school 2 = Some Cycle 1 (Grade 1 or Year 2 - Grade 5 or Year 6) or Cycle 2 (Grade 6 or Year 7 - Grade 9 or Year 10) 3 = Cycle 2 (Grade 6 or Year 7 - Grade 9 or Year 10) 4 = Cycle 3 (Grade 10 or Year 11 - Grade 12 or Year 13) 5 = Technical education or vocational training course 6 = College diploma 7 = Bachelor's degree 8 = Master's degree (e.g., Master of Arts degree, M.Sc.) or Doctoral degree (e.g., Ph.D. or Ed.D.) 9 = Not applicable
Dubai, UAE	HQ-15A	D	Father or male guardian
Dubai, UAE	HQ-15B	D	Mother or female guardian

HQ-16

Question:

How far in his/her education do you expect your child to go?

- 1 = Finish <Lower secondary education—ISCED Level 2>
- 2 = Finish <Upper secondary education—ISCED Level 3>
- 3 = Finish <Post-secondary, non-tertiary education—ISCED Level 4>
- 4 = Finish <Short-cycle tertiary education—ISCED Level 5>
- 5 = Finish <Bachelor's or equivalent level—ISCED Level 6>
- 6 = Finish <Postgraduate degree: Master's—ISCED Level 7 or Doctor—ISCED Level 8>

Variable Name(s): ASBH16

Country	Item ID	Code	Documentation
Albania	HQ-16	D	Nationally defined options: 1 = Lower secondary education 2 = Upper secondary education 3 = Post-secondary, non-tertiary education 4 = Short-cycle tertiary education 5 = Bachelor's or equivalent level 6 = Postgraduate degree: Master's or Doctor

Armenia	HQ-16	D	<p>Nationally defined options:</p> <p>1 = Main school 2 = High school 3 = Secondary professional institution 4 = Higher non professional institution 5 = Bachelor's 6 = Master's or get academic degree</p>
Austria	HQ-16	D	<p>Stem of the question changed: What do you think: What is the highest level of education will your child attain?</p> <p>National options recoded for international comparability: 1 = Compulsory school 2 = Vocational school for apprentices / School for intermediate vocational education (e.g., technical school, business school) / School-leaving certificate at a academic secondary school 3 = Option not administered or data not available 4 = School-leaving certificate at a higher vocational education school (e.g., business college, technical college, economic college, college for pre-primary education) / Master craftsmen and foremen course 5 = Bachelor's degree at a university college of teacher education, university or advanced technical college 6 = Master diploma or Doctor degree at a university or an advanced technical college</p>
Azerbaijan	HQ-16	D	<p>Nationally defined options:</p> <p>1 = Primary secondary education 2 = Full secondary education 3 = First vocational education 4 = Secondary vocational education 5 = Bachelor's level or its equivalent 6 = Master's or Doctorate</p>
Bahrain	HQ-16	D	<p>National options recoded for international comparability:</p> <p>1 = Intermediate education 2 = Secondary education 3 = Diploma 4 = Option not administered or data not available 5 = Bachelor's 6 = Master's or PhD</p>

Belgium (Flemish)	HQ-16	D	Nationally defined options: 1 = First grade (year 1 and 2) of secondary education 2 = Six years of secondary education (vocational, general, arts or technical) 3 = Year of specialization or 7th year of secondary education 4 = Short higher vocational education (HBO5) after secondary education 5 = Professional or academic Bachelor degree (higher education of 1 cycle) 6 = Master's degree or Doctorate (PhD)
Bosnia and Herzegovina	HQ-16	D	Nationally defined options: 1 = Primary school 2 = High school 3 = Post secondary non-tertiary education 4 = Post secondary education 5 = First-degree academic studies 6 = Postgraduate studies: Master's, Specialist or PhD studies (in science or arts)
Bulgaria	HQ-16	D	Nationally defined options: 1 = Lower secondary education 2 = Upper secondary education 3 = Vocational education after upper secondary education 4 = Higher education (Professional Bachelor) 5 = Higher education (Bachelor) 6 = Higher education (Master or Doctor)
Canada	HQ-16	D	Nationally defined options: 1 = Grade 8 or Secondary 2 2 = High school 3 = College or cégep (three-year vocational training), a registered apprenticeship, a trade certificate 4 = College or cégep (two-year pre-university) 5 = Bachelor's degree 6 = Master's or a Doctoral degree
Chile	HQ-16	D	National options recoded for international comparability: 1 = Primary education 2 = Upper secondary humanist scientist education / Upper secondary vocational education 3 = Option not administered or data not available 4 = Post secondary education in vocational track in a center of professional development or professional institute 5 = Post secondary education in university 6 = Postgraduate degree (Master's or Doctorate)

Chinese Taipei	HQ-16	D	<p>National options recoded for international comparability:</p> <p>1 = Junior high school program 2 = Senior high school or vocational school program 3 = Junior college or two-year college program 4 = Option not administered or data not available 5 = Two-year college of technology or four-year college of technology program / University program 6 = Master's program / PhD program</p>
Croatia	HQ-16	D	<p>Stem of the question changed: What level of education do you expect your child to finish?</p> <p>National categories recoded for international comparability:</p> <p>1 = Elementary school 2 = Three year high school / Four or five year high school 3 = Category not administered or data not available 4 = Category not administered or data not available 5 = Undergraduate university or undergraduate professional degree (Bachelor) 6 = Graduate university or graduate professional degree (Master) / Postgraduate university education, Master of Science or Doctorate of Science</p>
Cyprus	HQ-16	D	<p>Nationally defined options:</p> <p>1 = Lower secondary education 2 = Upper secondary education (general or vocational) 3 = Post-secondary, non-tertiary education 4 = Non-university diploma 5 = Bachelor's degree 6 = Postgraduate degree: Master's or Doctoral</p>
Czech Republic	HQ-16	D	<p>National categories recoded for international comparability:</p> <p>1 = Primary school 2 = High school or a vocational program without maturita / Secondary vocational program with maturita / Secondary technical program with maturita / Secondary general program with maturita 3 = Option not administered or data not available 4 = Higher professional school or conservatory 5 = University - Bachelor's degree 6 = University - Master's degree or higher</p>

Denmark	HQ-16	D	<p>Nationally defined options:</p> <p>1 = Grades 9-10 (secondary school)</p> <p>2 = High school</p> <p>3 = Short education of less than 2 years</p> <p>4 = Short tertiary education of at least 2 years</p> <p>5 = Tertiary education of at least 3 years at Bachelor level</p> <p>6 = Tertiary education of 5 years or more at Master or Doctor level</p>
Finland	HQ-16	D	<p>National options recoded for international comparability:</p> <p>1 = Lower secondary school</p> <p>2 = Upper secondary school, academic or vocational school or institution</p> <p>3 = A specialist vocational qualification taken after completing vocational school</p> <p>4 = Option not administered or data not available</p> <p>5 = Lower degree at the university or polytechnic (3 years)</p> <p>6 = Higher degree at the university or polytechnic (5 years) or Doctorate programs: licentiate or Doctor</p>
France	HQ-16	D	<p>Nationally defined options:</p> <p>1 = 1st cycle of secondary school (college)</p> <p>2 = 2nd cycle of the second professional degree (BEP, BP, Bac Pro), technological (Bac techno) or general (Bac general)</p> <p>3 = Pre-university education (e.g., capacity in law)</p> <p>4 = Short higher education (DUT, BTS, CPGE, L2, ...)</p> <p>5 = Bachelor's degree or equivalent</p> <p>6 = University teaching (Master, DESS, PhD, ...)</p>
Georgia	HQ-16	D	<p>Nationally defined options:</p> <p>1 = Basic level of general education (9 grades)</p> <p>2 = Secondary level of general education (12 grades)</p> <p>3 = Vocational school (based on 10-12 grade, e.g., college, Proftechnicum)</p> <p>4 = Higher vocational school (Proftechnicum)</p> <p>5 = First degree of higher education (Bachelor's)</p> <p>6 = Further degree(s) of higher education (Master's or Doctor's)</p>

Germany

HQ-16

D

Stem of the question changed:

Which highest school graduation do you expect your child to achieve? / What is the highest educational or vocational degree you expect your child to achieve?

National options recoded for international comparability:

1 = [A = Any of (Secondary modern school degree // Junior high school degree) and B = Any of (Will presumably not reach a vocational degree // Missing)]

2 = [A = Any of (Advanced technical college entrance qualification // Abitur (higher education entrance qualification)) and B = Any of (Will presumably not reach a vocational degree // Missing)] / [B = Completion of apprenticeship training (vocational school, apprenticeship) or preparatory service for the intermediate service in the public administration, vocational qualification at a vocational school/college school or completion of a one-year school for health care and A = Any of (Will presumably leave school without graduation // Secondary modern school degree // Junior high school degree // Missing)]

3 = [A = Any of (Advanced technical college entrance qualification // Abitur (higher education entrance qualification)) and B = Completion of apprenticeship training (vocational school, apprenticeship) or preparatory service for the intermediate service in the public administration, vocational qualification at a vocational school/college school or completion of a one-year school for health care]

4 = [B = Master-/technician- or equivalent college degree, degree of a two- or three-year training at a school of healthcare, degree of a specialist academy or a professional academy and A = Any of (Will presumably leave school without graduation // Secondary modern school degree // Junior high school degree // Advanced technical college entrance qualification // Abitur (higher education entrance qualification // Missing)]

5 = [B = Bachelor degree (University of Applied Science or University) and A = Any of (Will presumably leave school without graduation // Secondary modern school degree // Junior high school degree // Advanced technical college entrance qualification // Abitur (higher education entrance qualification // Missing)]

6 = [B = Any of (Master degree (University of Applied Science or University) // Ph.D.) and A = Any of (Will presumably leave school without graduation // Secondary modern school degree // Junior high school degree // Advanced technical college entrance qualification // Abitur (higher education entrance qualification // Missing)]

Hong Kong SAR	HQ-16	D	<p>Nationally defined categories:</p> <p>1 = Junior secondary education</p> <p>2 = Senior secondary education</p> <p>3 = Vocational training after senior secondary education</p> <p>4 = Certificate, a diploma, or an associate degree</p> <p>5 = Bachelor's degree</p> <p>6 = Master's degree or Doctoral degree</p>
Hungary	HQ-16	D	<p>National options recoded for international comparability:</p> <p>1 = General school (grade 8)</p> <p>2 = Vocational school (earlier vocational school) / Secondary vocational school with matura (earlier secondary vocational school) / Grammar school with matura</p> <p>3 = Vocational programs based on Maturity examination</p> <p>4 = Accredited post secondary vocational programs</p> <p>5 = College or university BA level</p> <p>6 = University or university MA level / Higher than university or university MA level (e.g., PhD)</p>
Iran, Islamic Rep. of	HQ-16	D	<p>Nationally defined options:</p> <p>1 = Middle school (lower secondary education)</p> <p>2 = High school or vocational school diploma</p> <p>3 = Associate diploma</p> <p>4 = Associate diploma in technical and vocational majors</p> <p>5 = Bachelor's degree</p> <p>6 = Master's or Ph.D. degree</p>
Ireland	HQ-16	D	<p>Nationally defined categories:</p> <p>1 = Junior Cert.</p> <p>2 = Leaving Cert.</p> <p>3 = Post-Leaving Cert. (PLC) course or apprenticeship</p> <p>4 = Third-level certificate or diploma (e.g., from an Institute of Technology)</p> <p>5 = Undergraduate degree (e.g., Bachelor's)</p> <p>6 = Postgraduate degree (e.g., Master's)</p>
Italy	HQ-16	D	<p>Nationally defined options:</p> <p>1 = Middle school certificate (lower secondary education)</p> <p>2 = High school diploma (upper secondary education)</p> <p>3 = Post-secondary, non-tertiary education diploma</p> <p>4 = Short-cycle tertiary education diploma (e.g., nursing diploma)</p> <p>5 = Bachelor's or equivalent level</p> <p>6 = Postgraduate degree (e.g., Master's or Doctor)</p>

Japan	HQ-16	D	Nationally defined options: 1 = Lower secondary school 2 = Upper secondary school 3 = Advanced course of upper secondary school 4 = Junior college, college of technology, or specialized training college (post-secondary course) 5 = University or college 6 = Graduate school
Kazakhstan	HQ-16	D	National options recoded for international comparability: 1 = Lower secondary education 2 = Upper secondary education 3 = Technical and professional education / Post-secondary education 4 = Category not administered or data not available 5 = Higher education (Bachelor) 6 = Postgraduate degree: Master's or Doctor
Korea, Rep. of	HQ-16	D	National options recoded for international comparability: 1 = Middle school 2 = High school 3 = Option not administered or data not available 4 = Two- or three-year college 5 = Four-year university 6 = Graduate school
Kosovo	HQ-16	D	Nationally defined options: 1 = Lower secondary education 2 2 = Upper secondary education 3 = Post-secondary, non-tertiary education 4 = Short-cycle tertiary education 5 = Bachelor's or equivalent level 6 = Postgraduate degree: Master's or Doctor
Kuwait	HQ-16	D	Nationally defined options: 1 = Lower secondary education 2 = Upper secondary education 3 = Post-secondary education (e.g., diploma) 4 = Short-cycle tertiary education 5 = Bachelor's or equivalent level 6 = Postgraduate degree: Master's or Doctor
Latvia	HQ-16	D	Nationally defined options: 1 = Basic education 2 = Secondary education 3 = Non-tertiary vocational education 4 = First level of higher professional education 5 = Baccalaureate 6 = Master's degree or Doctorate

Lithuania	HQ-16	D	National options recoded for international comparability: 1 = Lower secondary education 2 = Upper secondary education 3 = Vocational (already having secondary education) 4 = Option not administered or data not available 5 = Bachelor's or vocational Bachelor degree 6 = Master's or Doctor's degree
Malta	HQ-16	D	Nationally defined options: 1 = 4 or less SEC exams 2 = At least 5 SEC exams or a Vocational Education and Training (VET) Level 3 qualification or MATSEC certificate 3 = Vocational Education and Training (VET) National Diploma or equivalent 4 = Undergraduate certificate or diploma or equivalent 5 = Bachelor's degree or equivalent 6 = Master's, Doctorate or equivalent
Montenegro	HQ-16	D	Nationally defined options: 1 = Primary school 2 = High vocational (3 years) school 3 = High vocational (4 years) or gymnasium 4 = Short cycle tertiary education 5 = Basic university studies 6 = Postgraduate studies: Master or PhD studies
Morocco	HQ-16	D	Nationally defined options: 1 = Lower secondary school 2 = Upper secondary school 3 = Preparatory classes 4 = Diploma of university studies 5 = Bachelor's degree or equivalent 6 = Master's degree or Doctorate
New Zealand	HQ-16	D	Nationally defined options: 1 = NCEA Level 1 or Level 2 2 = NCEA Level 3 3 = Trade - apprenticeship qualification or national certificate (NZQF Levels 3-5, e.g., hairdressing) 4 = National (2- or 3-year) diploma (e.g., fashion design, tourism) 5 = Bachelor's degree 6 = Postgraduate degree (e.g., Honors, Master's, PhD)

North Macedonia	HQ-16	D	Nationally defined options: 1 = Lower secondary education 2 = Upper secondary education 3 = Post-secondary specialist education 4 = Two years faculty 5 = Bachelor's level 6 = Master's or Doctor studies
Northern Ireland	HQ-16	D	National options recoded for international comparability: 1 = GCSE course / 1-4 GCSE (A*-C passes) or Foundation Diploma or GNVQ Foundation or NVQ Level 1 or BTEC Certificate 2 = 5 or more GCSE (A*-C passes) or Higher Diploma or NVQ Level 2 or GNVQ Intermediate or BTEC Diploma or trade apprenticeship / AS/A-Level or Advanced Diploma or NVQ Level 3 or GNVQ or International Baccalaureate / Complete an access course for higher education 3 = Option not administered or data not available 4 = HNC or HND or BTEC Higher 5 = Bachelor's degree 6 = Master's degree or Doctorate
Norway	HQ-16	X	Question not administered or data not available
Oman	HQ-16	D	Nationally defined options: 1 = Lower secondary education (basic education) 2 = Upper secondary education (General Education Diploma) 3 = Post-secondary, non-tertiary education 4 = Tertiary Education Diploma 5 = Bachelor's or equivalent level 6 = Postgraduate degree: Master's or Doctor
Pakistan	HQ-16	D	Nationally defined options: 1 = Middle 2 = Matric 3 = F.A/F.Sc 4 = B.A/B.Sc 2 Year 5 = B.S Hons 4 Year 6 = Postgraduate degree: Master's or Doctor
Philippines	HQ-16	D	Nationally defined options: 1 = Lower secondary education—ISCED Level 2 2 = Upper secondary education—ISCED Level 3 3 = Post-secondary, non-tertiary education—ISCED Level 4 4 = Short-cycle tertiary education—ISCED Level 5 5 = Bachelor's or equivalent level—ISCED Level 6 6 = Postgraduate degree: Master's—ISCED Level 7 or Doctor—ISCED Level 8

Poland	HQ-16	D	<p>National options recoded for international comparability:</p> <p>1 = Eight-year primary school</p> <p>2 = I stage sectoral school (formerly a basic vocational school) / Second stage sectoral school (formerly a technical school) / General lyceum</p> <p>3 = Post-secondary school</p> <p>4 = Option not administered or data not available</p> <p>5 = Engineer or Bachelor's degree</p> <p>6 = Master's or Doctor's degree or a Doctorate</p>
Portugal	HQ-16	D	<p>National options recoded for international comparability:</p> <p>1 = 3rd cycle of education</p> <p>2 = Secondary education</p> <p>3 = Technological specialization course</p> <p>4 = Professional higher technical course</p> <p>5 = Bachelor's</p> <p>6 = Master's / Doctor</p>
Qatar	HQ-16	D	<p>National options recoded for international comparability:</p> <p>1 = Preparatory education</p> <p>2 = Secondary education</p> <p>3 = Option not administered or data not available</p> <p>4 = Diploma (short-cycle tertiary education, before university)</p> <p>5 = Bachelor's degree or equivalent level</p> <p>6 = Postgraduate degree: Master's or PhD</p>
Russian Federation	HQ-16	D	<p>Nationally defined options:</p> <p>1 = Basic general education (9 grades)</p> <p>2 = Secondary general education (11 grades)</p> <p>3 = Short-time course or program on the base of secondary education, initial vocational education</p> <p>4 = Incomplete higher education: (two years or more)</p> <p>5 = Higher education: Bachelor or equivalent (three years or more)</p> <p>6 = Higher education: Master or equivalent (five years or more), second university degree; candidate or Doctor degree</p>
Saudi Arabia	HQ-16	D	<p>Nationally defined options:</p> <p>1 = Lower secondary education</p> <p>2 = Upper secondary education</p> <p>3 = Post-secondary, non-tertiary education</p> <p>4 = Short-cycle tertiary education</p> <p>5 = Bachelor's or equivalent</p> <p>6 = Postgraduate degree: Master's or Doctor</p>

Serbia	HQ-16	D	<p>National options recoded for international comparability:</p> <p>1 = Primary school</p> <p>2 = High school</p> <p>3 = Option not administered or data not available</p> <p>4 = Short cycle tertiary education</p> <p>5 = Basic university studies</p> <p>6 = Postgraduate studies: Master, specialist or PhD studies</p>
Singapore	HQ-16	D	<p>Nationally defined options:</p> <p>1 = Lower secondary</p> <p>2 = Upper secondary</p> <p>3 = Post-secondary, non-tertiary (e.g., JC, CI, ITE)</p> <p>4 = Polytechnic</p> <p>5 = University Bachelor's degree</p> <p>6 = Master's or Doctoral (e.g., PhD) degree</p>
Slovak Republic	HQ-16	D	<p>National options recoded for international comparability:</p> <p>1 = Primary school</p> <p>2 = Secondary school with vocational certificate / High school with school leaving exam</p> <p>3 = Post-secondary education</p> <p>4 = Higher professional education</p> <p>5 = Bachelor's study</p> <p>6 = Master's study or Doctoral study</p>
South Africa	HQ-16	D	<p>Nationally defined options:</p> <p>1 = Grade 9</p> <p>2 = Grade 12</p> <p>3 = Post-matric certificate</p> <p>4 = Diploma</p> <p>5 = Bachelor's degree</p> <p>6 = Postgraduate degree: Master's or Doctorate</p>
Spain	HQ-16	D	<p>National options recoded for international comparability:</p> <p>1 = Compulsory secondary education</p> <p>2 = Baccalaureate, intermediate level of vocational training or equivalent</p> <p>3 = Category not administered or data not available</p> <p>4 = Higher level of vocational training or equivalent</p> <p>5 = University degree (4 years) or equivalent</p> <p>6 = Master's or PhD</p>

Sweden	HQ-16	D	Nationally defined options: 1 = Elementary school 2 = Secondary school 3 = Tertiary education, not university college 4 = Higher education up to 2 years (e.g., university college degree) 5 = University or university college degree (e.g., Bachelor degree) 6 = Postgraduate, Master's, licentiate or PhD-degree
Turkey	HQ-16	D	Nationally defined options: 1 = Lower secondary education 2 = Upper secondary education 3 = Post secondary vocational courses 4 = Short-cycle tertiary education 5 = Bachelor's level 6 = Master's or Doctor
United Arab Emirates	HQ-16	D	Nationally defined options: 1 = Cycle 2 (Grade 6 or Year 7 - Grade 9 or Year 10) 2 = Cycle 3 (Grade 10 or Year 11 - Grade 12 or Year 13) 3 = Technical education or vocational training course 4 = College diploma 5 = Bachelor's degree 6 = Master's degree (e.g., Master of Arts degree or M.Sc.) or Doctoral degree (e.g., Ph.D. or Ed.D.)
Benchmarking Participants			
Ontario, Canada	HQ-16	D	Nationally defined options: 1 = Grade 8 or Secondary 2 2 = High school 3 = College or cégep (three-year vocational training), a registered apprenticeship, a trade certificate 4 = College or cégep (two-year pre-university) 5 = Bachelor's degree 6 = Master's or a Doctoral degree
Quebec, Canada	HQ-16	D	Nationally defined options: 1 = Grade 8 or Secondary 2 2 = High school 3 = College or cégep (three-year vocational training), a registered apprenticeship, a trade certificate 4 = College or cégep (two-year pre-university) 5 = Bachelor's degree 6 = Master's or a Doctoral degree

Moscow City, Russian Fed.	HQ-16	D	Nationally defined options: 1 = Basic general education (9 grades) 2 = Secondary general education (11 grades) 3 = Short-time course or program on the base of secondary education, initial vocational education 4 = Incomplete higher education: (two years or more) 5 = Higher education: Bachelor or equivalent (three years or more) 6 = Higher education: Master or equivalent (five years or more), second university degree or candidate or Doctor degree
Madrid, Spain	HQ-16	D	National options recoded for international comparability: 1 = Compulsory secondary education 2 = Baccalaureate, intermediate level of vocational training or equivalent 3 = Category not administered or data not available 4 = Higher level of vocational training or equivalent 5 = University degree (4 years) or equivalent 6 = Master's or PhD
Abu Dhabi, UAE	HQ-16	D	Nationally defined options: 1 = Cycle 2 (Grade 6 or Year 7 - Grade 9 or Year 10) 2 = Cycle 3 (Grade 10 or Year 11 - Grade 12 or Year 13) 3 = Technical education or vocational training course 4 = College diploma 5 = Bachelor's degree 6 = Master's degree (e.g., Master of Arts degree, M.Sc.) or Doctoral degree (e.g., Ph.D. or Ed.D.)
Dubai, UAE	HQ-16	D	Nationally defined options: 1 = Cycle 2 (Grade 6 or Year 7 - Grade 9 or Year 10) 2 = Cycle 3 (Grade 10 or Year 11 - Grade 12 or Year 13) 3 = Technical education or vocational training course 4 = College diploma 5 = Bachelor's degree 6 = Master's degree (e.g., Master of Arts degree, M.Sc.) or Doctoral degree (e.g., Ph.D. or Ed.D.)

HQ-17A-B

Question:

What kind of work do the child's <parents/guardians> do for their main jobs?

A: <Parent/Guardian A>

B: <Parent/Guardian B>

1 = Has never worked for pay

2 = Small Business Owner

Includes owners of small businesses (fewer than 25 employees) such as retail shops, services, restaurants

3 = Clerical Worker

Includes office clerks; secretaries; typists; data entry operators; customer service clerks

4 = Service or Sales Worker

Includes travel attendants; restaurant service workers; personal care workers; protective service workers; salespersons; street vendors

5 = Skilled Agricultural or Fishery Worker

Includes farmers; forestry workers; fishery workers; hunters and trappers

6 = Craft or Trade Worker

Includes builders, carpenters, plumbers, electricians, metal workers; machine mechanics; handicraft workers

7 = Plant or Machine Operator

Includes plant and machine operators; assembly-line operators; motor-vehicle drivers

8 = General Laborers

Includes domestic helpers and cleaners; building caretakers; messengers, porters, and doorkeepers; farm, fishery, agricultural, and construction workers

9 = Corporate Manager or Senior Official

Includes corporate managers such as managers of large companies (25 or more employees) or managers of departments within large companies; legislators or senior government officials; senior officials of special-interest organizations; military officers

10 = Professional

Includes scientists; mathematicians; computer scientists; architects; engineers; life science and health professionals; teachers; legal professionals; police officers; social scientists; writers and artists; religious professionals

11 = Technician or Associate Professional

Includes science, engineering, and computer associates and technicians; life science and health technicians and assistants; teacher aides; finance and sales associate professionals; business service agents; administrative assistants

12 = Not applicable

Variable Name(s):

ASBH17A, ASBH17B

Country	Item ID	Code	Documentation
Albania	HQ-17A	D	Father
Albania	HQ-17B	D	Mother
Armenia	HQ-17A	D	Child's father or guardian
Armenia	HQ-17B	D	Child's mother or guardian
Austria	HQ-17A-B	D	<p>Stem of the question changed: What kind of work do you do for your main job? For each, check the circle for the job category that best describes what the father or the mother does (opposite page). Each category has a few examples to help you decide the correct category. If the father or the mother is not working now, think about the last job that he or she had.</p> <p>Nationally defined categories: 1 = Has never worked for pay 2 = Small Business Owner 3 = Clerical Worker 4 = Service or Sales Worker 5 = Skilled Agricultural or Fishery Worker 6 = Craft or Trade Worker 7 = Plant or Machine Operator 8 = General Laborers 9 = Corporate Manager or Senior Official 10 = Professional 11 = Technician or Associate Professional 12 = I don't know</p>
Azerbaijan	HQ-17A	D	Parent or Guardian 1
Azerbaijan	HQ-17B	D	Parent or Guardian 2
Bosnia and Herzegovina	HQ-17A	D	Mother or guardian
Bosnia and Herzegovina	HQ-17B	D	Father or guardian
Bulgaria	HQ-17A-B	D	<p>Father (or stepfather or male guardian) and mother (or stepmother or female guardian) Father or mother</p>
Bulgaria	HQ-17A	D	Father
Bulgaria	HQ-17B	D	Mother

Chinese Taipei	HQ-17A-B	D	Father (stepfather or male guardian) and mother (stepmother or female guardian)
Croatia	HQ-17A	D	Parent or Guardian A: Father (stepfather) or male guardian
Croatia	HQ-17B	D	Parent or Guardian B: Mother (stepmother) or female guardian
Cyprus	HQ-17A	D	Father
Cyprus	HQ-17B	D	Mother
Czech Republic	HQ-17A	D	Mother (or stepmother or female guardian)
Czech Republic	HQ-17B	D	Father (or stepfather or male guardian)
Denmark	HQ-17A	D	Mother or female guardian
Denmark	HQ-17B	D	Father or male guardian
Finland	HQ-17A	D	Mother or Guardian A
Finland	HQ-17B	D	Father or Guardian B
France	HQ-17A-B	D	Parents (stepparents or guardians)
France	HQ-17A	D	Father of the child
France	HQ-17B	D	Mother of the child
Georgia	HQ-17A	D	Mother (female guardian)
Georgia	HQ-17B	D	Father (male guardian)

Germany	HQ-17A-B	D	<p>Stem of the question changed: What kind of work do the child's father (or stepfather or legal male guardian) and mother (stepmother or legal female guardian) do for their main jobs?</p> <p>Nationally defined categories: 1 = Has never worked for pay 2 = Small Business Owner 3 = Clerical Worker 4 = Service or Sales Worker 5 = Skilled Agricultural or Fishery Worker 6 = Craft or Trade Worker 7 = Plant or Machine Operator 8 = Semi-Skilled Worker or Assistant 9 = Corporate Manager or Senior Official 10 = Professional 11 = Technician or Associate Professional 12 = Not applicable</p>
Germany	HQ-17A	D	Father
Germany	HQ-17B	D	Mother
Hong Kong SAR	HQ-17A	D	Mother or female guardian
Hong Kong SAR	HQ-17B	D	Father or male guardian
Hungary	HQ-17A	D	Mother or stepmother or foster mother
Hungary	HQ-17B	D	Father or stepfather or foster father
Iran, Islamic Rep. of	HQ-17A	D	Mother (female guardian)
Iran, Islamic Rep. of	HQ-17B	D	Father (male guardian)
Ireland	HQ-17A	D	Parent or Guardian A (for example, mother)
Ireland	HQ-17B	D	Parent or Guardian B (for example, father)
Japan	HQ-17A	D	Father
Japan	HQ-17B	D	Mother
Kazakhstan	HQ-17A	D	Father or male guardian
Kazakhstan	HQ-17B	D	Mother or female guardian
Korea, Rep. of	HQ-17A	D	Father (or male guardian)

Korea, Rep. of	HQ-17B	D	Mother (or female guardian)
Kosovo	HQ-17A	D	Father
Kosovo	HQ-17B	D	Mother
Kuwait	HQ-17A	D	Father or guardian
Kuwait	HQ-17B	D	Mother or guardian
Latvia	HQ-17A	D	Mother or guardian
Latvia	HQ-17B	D	Father or guardian
Lithuania	HQ-17A	D	Mother (guardian)
Lithuania	HQ-17B	D	Father (guardian)
Montenegro	HQ-17A	D	Mother or Guardian A
Montenegro	HQ-17B	D	Father or Guardian B
Morocco	HQ-17A	D	Father or guardian
Morocco	HQ-17B	D	Mother or guardian
Northern Ireland	HQ-17A	D	Parent or Guardian A
Northern Ireland	HQ-17B	D	Parent or Guardian B
Norway	HQ-17A-B	X	Question not administered or data not available
Oman	HQ-17A	D	Child's mother or female guardian
Oman	HQ-17B	D	Child's father or male guardian
Pakistan	HQ-17A	D	Father or Guardian A
Pakistan	HQ-17B	D	Mother or Guardian B
Philippines	HQ-17A	D	Child's father
Philippines	HQ-17B	D	Child's mother

Poland	HQ-17A-B	D	National categories recoded for international comparability: 1 = Has never worked for pay 2 = Small Business Owner 3 = Clerical Worker 4 = Service or Sales Worker 5 = Skilled Agricultural or Fishery Worker 6 = Craft or Trade Worker 7 = Plant or Machine Operator 8 = General Laborers 9 = Corporate Manager or Senior Official / Medium or large Business Owner (larger than 25 employees) 10 = Professional 11 = Technician or Associate Professional 12 = Not applicable
Poland	HQ-17A	D	Father (stepfather, guardian)
Poland	HQ-17B	D	Mother (stepmother, guardian)
Portugal	HQ-17A	D	Mother (or legal guardian)
Portugal	HQ-17B	D	Father (or legal guardian)
Qatar	HQ-17A	D	Father or male guardian
Qatar	HQ-17B	D	Mother or female guardian
Russian Federation	HQ-17A-B	D	Parents or guardians
Russian Federation	HQ-17A	D	Child's father
Russian Federation	HQ-17B	D	Child's mother
Serbia	HQ-17A	D	Mother or guardian
Serbia	HQ-17B	D	Father or guardian
Singapore	HQ-17A	D	Father or male guardian
Singapore	HQ-17B	D	Mother or female guardian

Slovak Republic	HQ-17A-B	D	Nationally defined categories: 1 = Has never worked for pay 2 = Small and Medium Business Owner 3 = Administrative Worker 4 = Worker in Service or Sales Sphere 5 = Skilled Worker in Agricultural or Fishery Sphere 6 = Craft Worker or Qualified Worker 7 = Operator - Operation of Plants and Machines 8 = Unqualified Workers 9 = Corporate Manager or Senior Official 10 = Science and Professional Employee 11 = Technician or Other Expert 12 = I cannot classify
Slovak Republic	HQ-17A	D	Mother or legal representative
Slovak Republic	HQ-17B	D	Father or legal representative
South Africa	HQ-17A-B	D	National categories recoded for international comparability: 1 = Has never worked for pay 2 = Small Business Owner / Informal 3 = Clerical Worker 4 = Service or Sales Worker 5 = Skilled Agricultural or Fishery Worker 6 = Craft or Trade Worker 7 = Plant or Machine Operator 8 = General Laborers 9 = Corporate Manager or Senior Official 10 = Professional 11 = Technician or Associate Professional 12 = Not applicable
South Africa	HQ-17A	D	Father or Parent A
South Africa	HQ-17B	D	Mother or Parent B
Spain	HQ-17A	D	Father, mother or legal guardian A
Spain	HQ-17B	D	Father, mother or legal guardian B
Turkey	HQ-17A	D	Child's father
Turkey	HQ-17B	D	Child's mother
United Arab Emirates	HQ-17A	D	Father or male guardian
United Arab Emirates	HQ-17B	D	Mother or female guardian

Benchmarking Participants

Moscow City, Russian Fed.	HQ-17A-B	D	Parents or guardians
Moscow City, Russian Fed.	HQ-17A	D	Child's father
Moscow City, Russian Fed.	HQ-17B	D	Child's mother
Madrid, Spain	HQ-17A	D	Father, mother or legal guardian A
Madrid, Spain	HQ-17B	D	Father, mother or legal guardian B
Abu Dhabi, UAE	HQ-17A	D	Father or male guardian
Abu Dhabi, UAE	HQ-17B	D	Mother or female guardian
Dubai, UAE	HQ-17A	D	Father or male guardian
Dubai, UAE	HQ-17B	D	Mother or female guardian



SECTION 1.3: **TEACHER** **QUESTIONNAIRE** **GRADE 4**

TIMSS 2019 USER GUIDE FOR THE
INTERNATIONAL DATABASE



TIMSS & PIRLS
International Study Center
Lynch School of Education
BOSTON COLLEGE

TQG-04

Question:

What is the highest level of formal education you have completed?

- 1 = Did not complete <Upper secondary education—ISCED Level 3>
- 2 = <Upper secondary education—ISCED Level 3>
- 3 = <Post-secondary, non-tertiary education—ISCED Level 4>
- 4 = <Short-cycle tertiary education—ISCED Level 5>
- 5 = <Bachelor's or equivalent level—ISCED Level 6>
- 6 = <Master's or equivalent level—ISCED Level 7>
- 7 = <Doctor or equivalent level—ISCED Level 8>

Variable Name(s): ATBG04

Country	Item ID	Code	Documentation
Albania	TQG-04	D	Nationally defined options: 1 = Did not complete upper secondary education 2 = Upper secondary education 3 = Post-secondary, non-tertiary education 4 = Short-cycle tertiary education 5 = Bachelor's or equivalent level 6 = Master's or equivalent level 7 = Doctor or equivalent level
Armenia	TQG-04	D	Nationally defined options: 1 = Main school 2 = High secondary school 3 = Higher non professional 4 = Higher professional 5 = Bachelor's 6 = Master's 7 = Candidate of sciences or higher
Australia	TQG-04	D	National options recoded for international comparability: 1 = Option not administered or data not available 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = TAFE or college diploma 5 = Undergraduate or Bachelor's degree / Graduate or postgraduate diploma 6 = Master's degree 7 = PhD or Doctorate

Austria	TQG-04	D	<p>National options recoded for international comparability:</p> <p>1 = Option not administered or data not available</p> <p>2 = Option not administered or data not available</p> <p>3 = Option not administered or data not available</p> <p>4 = Pedagogical academy</p> <p>5 = Teacher's college / Studies at university or college, Baccalaureate degree</p> <p>6 = Studies at university or college, diploma or Master's degree</p> <p>7 = Studies at university, Doctoral degree</p>
Azerbaijan	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete full secondary education</p> <p>2 = Full secondary education</p> <p>3 = First vocational education</p> <p>4 = Secondary vocational education</p> <p>5 = Bachelor's or equivalent level</p> <p>6 = Master's or equivalent level</p> <p>7 = Doctor or equivalent level</p>
Bahrain	TQG-04	D	<p>National options recoded for international comparability:</p> <p>1 = Did not complete secondary education</p> <p>2 = Secondary education</p> <p>3 = Diploma</p> <p>4 = Option not administered or data not available</p> <p>5 = Bachelor's</p> <p>6 = Master's</p> <p>7 = PhD</p>
Belgium (Flemish)	TQG-04	D	<p>National options recoded for international comparability:</p> <p>1 = Did not complete secondary education</p> <p>2 = Secondary education (general, technical, vocational and arts)</p> <p>3 = Year of specialization or a 7th year of secondary education</p> <p>4 = Higher vocational education (HBO5)</p> <p>5 = Professional Bachelor, a diploma of higher education of 1 cycle (e.g., primary teacher, secondary teacher, A1, graduate) / Academic Bachelor</p> <p>6 = Master or licentiate (university college with 2 cycles or university)</p> <p>7 = Doctorate (PhD) at university</p>

Bosnia and Herzegovina	TQG-04	D	<p>Nationally defined options:</p> <ul style="list-style-type: none"> 1 = Did not complete secondary education 2 = Secondary education 3 = Post secondary, non tertiary education 4 = Short cycle tertiary education 5 = Basic university studies 6 = Magisterium, specialist or Master studies 7 = Doctorate or PhD studies in science or arts
Bulgaria	TQG-04	D	<p>Nationally defined options:</p> <ul style="list-style-type: none"> 1 = Did not complete upper secondary education 2 = Upper secondary education 3 = Vocational education after upper secondary education 4 = Higher education (Professional Bachelor) 5 = Higher education (Bachelor) 6 = Higher education (Master) 7 = Higher education (Doc)
Canada	TQG-04	D	<p>Nationally defined options:</p> <ul style="list-style-type: none"> 1 = Did not complete high school 2 = High school 3 = College or cégep (three-year vocational training), registered apprenticeship, trade certificate 4 = College or cégep (two-year pre-university) 5 = Bachelor's degree 6 = Master's degree 7 = Doctoral degree
Chile	TQG-04	D	<p>National options recoded for international comparability:</p> <ul style="list-style-type: none"> 1 = Did not complete upper secondary education 2 = Upper secondary education 3 = Option not administered or data not available 4 = Post secondary vocational education (professional institute or center for vocational development) 5 = Bachelor's education 6 = Master's degree 7 = Doctorate
Chinese Taipei	TQG-04	D	<p>National options recoded for international comparability:</p> <ul style="list-style-type: none"> 1 = Did not finish senior high school or vocational school program 2 = Senior high school or vocational school program 3 = Junior college or two-year college program 4 = Option not administered or data not available 5 = Two-year college of technology or four-year college of technology program / University program 6 = Master's program 7 = PhD program

Croatia	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Elementary school</p> <p>2 = High school</p> <p>3 = Non-university professional education after high school: re-qualification</p> <p>4 = Non-university higher education: two or three years of higher school, one or two years study, or both</p> <p>5 = Undergraduate university or undergraduate professional degree (Bachelor)</p> <p>6 = Graduate university or graduate professional degree (Master)</p> <p>7 = Postgraduate university education, Master of Science or Doctorate of Science</p>
Cyprus	TQG-04	D	<p>National options recoded for international comparability:</p> <p>1 = Option not administered or data not available</p> <p>2 = Option not administered or data not available</p> <p>3 = Option not administered or data not available</p> <p>4 = Non-university diploma (e.g., Pedagogical Academy diploma)</p> <p>5 = Bachelor's</p> <p>6 = Master's</p> <p>7 = Doctor</p>
Czech Republic	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete upper secondary education</p> <p>2 = Upper secondary education</p> <p>3 = Extension study</p> <p>4 = Higher professional school or conservatory</p> <p>5 = University - Bachelor's degree</p> <p>6 = University - Master's degree</p> <p>7 = University - Doctorate degree or equivalent</p>
Denmark	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete high school</p> <p>2 = High school</p> <p>3 = Short education of less than 2 years</p> <p>4 = Short tertiary education of at least 2 years</p> <p>5 = Tertiary education of at least 3 years at Bachelor level</p> <p>6 = Tertiary education of 5 years at Master level</p> <p>7 = Doctor, Ph.D. or equivalent</p>

England	TQG-04	D	<p>National options recoded for international comparability:</p> <p>1 = Did not complete A level or equivalent</p> <p>2 = A level or equivalent level 3 qualification</p> <p>3 = Option not administered or data not available</p> <p>4 = Post-secondary, non-tertiary education (e.g., HND)</p> <p>5 = Bachelor's degree or equivalent level / PGCE</p> <p>6 = Master's degree or equivalent</p> <p>7 = Doctorate (PhD)</p>
Finland	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete upper secondary degree, academic or vocational</p> <p>2 = Upper secondary degree, academic or vocational</p> <p>3 = Special vocational degree</p> <p>4 = Higher vocational degree</p> <p>5 = Lower degree at the polytechnic or university</p> <p>6 = Higher degree at the polytechnic or university</p> <p>7 = Post-graduate degree at the university (licentiate or Doctor)</p>
France	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete the second cycle of the second degree: professional (BEP, BP, Bac Pro), technological (Bac techno) or general (Bac general)</p> <p>2 = Second cycle of the second professional degree (BEP, BP, Bac Pro), technological (Bac techno) or general (Bac general)</p> <p>3 = Pre-university education (for example, Ability in Law)</p> <p>4 = Short higher education (DUT, BTS, CPGE, DEUG, L2, ...)</p> <p>5 = License or equivalent</p> <p>6 = Long university education (Master, Master, DEA, DESS, ...)</p> <p>7 = PhD or equivalent</p>
Georgia	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete general education (before grades 10-12)</p> <p>2 = Full level of general education (grades 10-12)</p> <p>3 = Vocational school (based on grades 10-12, e.g., college, proftechnicum)</p> <p>4 = Higher vocational school (proftechnicum)</p> <p>5 = First degree higher education (Bachelor's)</p> <p>6 = Further degrees of higher education (Master's, 5-year education prior to 2005 equivalent to Master's)</p> <p>7 = Scientific degree (e.g., Candidate's or Doctor's)</p>

Germany

TQG-04

D

Stem of the question changed:

Which educational degree do you have? / Which vocational degree do you have?

National options recoded for international comparability:

1 = [B = Semi-skilled training/internship/occupation preparation year and A = Any of (Technical college certification/vocational school degree (teaching, apprenticeship)/vocational specialty school degree/degree from professional school, master- or technical school, or from a health occupation school // Missing)]

2 = [A = A-level/general secondary certification and B = (Semi-skilled training/internship/occupation preparation year // None of the mentioned degrees // Missing)] / [B = Any of (Teacher training degree or traineeship for the intermediate service in the public administration // Professional qualifying degree of a vocational college/college or degree of an annual school of healthcare) and A = Missing]

3 = [A = A-level/general secondary certification) and B = Any of (Teacher training degree or traineeship for the intermediate service in the public administration // Professional qualifying degree of a vocational college/college or degree of an annual school of healthcare)]

4 = [B = Any of (Master-/technician- or equivalent college degree, degree of a biennial or triennial school of healthcare, degree of a specialist academy or a professional academy // Degree at a college of the GDR // Degree at administrative college) and A = Any of (Technical college certification/vocational school degree (teaching, apprenticeship)/vocational specialty school degree/degree from professional school, master- or technical school, or from a health occupation school // A-level/general secondary certification // Missing)]

5 = [A = College degree (Bachelor's)/degree from a business academy/diploma/technical college degree and B = Any of (Semi-skilled training/internship/occupation preparation year // Teacher training degree or traineeship for the intermediate service in the public administration // Professional qualifying degree of a vocational college/college or degree of an annual school of healthcare // Master-/technician- or equivalent college degree, degree of a biennial or triennial school of healthcare, degree of a specialist academy or a professional academy // Degree at a college of the GDR // Degree at administrative college // Bachelor's degree (at a university or technical college) // None of the mentioned degrees // Missing)....**continued on next page**

(continued)... /// [B = Bachelor's degree (at a university or technical college) and A = Any of (Technical college certification/vocational school degree (teaching, apprenticeship)/vocational specialty school degree/degree from professional school, master- or technical school, or from a health occupation school // A-level/general secondary certification // College degree (Bachelor's)/degree from a business academy/diploma/technical college degree // Missing]]

6 = [A = College degree (Master's, magister, diploma, state examination) and B = Any of (Semi-skilled training/internship/occupation preparation year // Teacher training degree or traineeship for the intermediate service in the public administration // Professional qualifying degree of a vocational college/college or degree of an annual school of healthcare // Master-/technician- or equivalent college degree, degree of a biennial or triennial school of healthcare, degree of a specialist academy or a professional academy // Degree at a college of the GDR // Degree at administrative college // Bachelor's degree (at a university or technical college) // Master's degree (at a university or technical college) // Other degree at a technical college (engineering degree) // Other degree (e.g. diploma, Master's degree, first state examination etc.) at a university (scientific college, also art academy) // Second state examination // None of the mentioned degrees // Missing]] / [B = Any of (Master's degree (at a university or technical college) // Other degree at a technical college (engineering degree) // Other degree (e.g. diploma, Master's degree, first state examination etc.) at a university (scientific college, also art academy) // Second state examination) and A = Any of (Technical college certification/vocational school degree (teaching, apprenticeship)/vocational specialty school degree/degree from professional school, master- or technical school, or from a health occupation school // A-level/general secondary certification // College degree (Bachelor's)/degree from a business academy/diploma/technical college degree // College degree (Master's, magister, diploma, state examination) // Missing]

continued on next page....

(continued)

7 = [A = Higher than a college degree (Master's, magister, diploma, state examination), e.g., Ph.D. and B = Any of (Semi-skilled training/internship/occupation preparation year // Teacher training degree or traineeship for the intermediate service in the public administration // Professional qualifying degree of a vocational college/college or degree of an annual school of healthcare // Master-/technician- or equivalent college degree, degree of a biennial or triennial school of healthcare, degree of a specialist academy or a professional academy // Degree at a college of the GDR // Degree at administrative college // Bachelor's degree (at a university or technical college) // Master's degree (at a university or technical college) // Other degree at a technical college (engineering degree) // Other degree (e.g. diploma, Master's degree, first state examination etc.) at a university (scientific college, also art academy) // Second state examination // Ph.D. // None of the mentioned degrees // Missing]] / [B = Ph.D. and A = Any of (Technical college certification/vocational school degree (teaching, apprenticeship)/vocational specialty school degree/degree from professional school, master- or technical school, or from a health occupation school // A-level/general secondary certification // College degree (Bachelor's)/degree from a business academy/diploma/technical college degree // College degree (Master's, magister, diploma, state examination) // Higher than a college degree (Master's, magister, diploma, state examination), e.g., Ph.D. // Missing]]

Hong Kong SAR

TQG-04

D

Nationally defined options:

- 1 = Did not complete senior secondary education
- 2 = Senior secondary education
- 3 = Vocational training after senior secondary education
- 4 = Certificate in Education (awarded by the Institute of Education or former Colleges of Education), a diploma or an Associate degree
- 5 = Bachelor's degree
- 6 = Master's degree
- 7 = Doctoral degree

Hungary	TQG-04	D	Nationally defined options: 1 = I did not finish general school 2 = Secondary vocational school with matura or grammar school with matura 3 = Vocational programs (usually two years) based on Maturity examination 4 = Accredited post secondary vocational programs 5 = College, or university BA level 6 = University, or university MA level 7 = Higher than university or university MA level (e.g., PhD, university post-graduate program)
Iran, Islamic Rep. of	TQG-04	D	Nationally defined options: 1 = Did not complete upper secondary education 2 = Upper secondary education 3 = Post-secondary, non-tertiary education 4 = Associated diploma 5 = Bachelor's or equivalent level 6 = Master's or equivalent level 7 = Doctor or equivalent level
Ireland	TQG-04	D	Nationally defined options: 1 = Did not complete Leaving Certificate 2 = Leaving Certificate 3 = PLC course or similar 4 = Third-level certificate or diploma 5 = University degree (e.g., Bachelor's) 6 = Master's or equivalent 7 = Doctorate or equivalent
Italy	TQG-04	D	Nationally defined options: 1 = Did not complete upper secondary education 2 = Upper secondary education 3 = Post-secondary degree, non-tertiary education 4 = Short-cycle tertiary degree (e.g., nursing) 5 = First level degree tertiary education 6 = Second level degree tertiary education or equivalent degree 7 = Doctor or equivalent level

Japan	TQG-04	D	Nationally defined options: 1 = Did not complete the upper secondary school 2 = Upper secondary school 3 = Advanced course of upper secondary school 4 = Junior college, college of technology, or specialized training college (post-secondary course) 5 = University or college 6 = Master's programs of graduate school or professional graduate school 7 = Doctoral programs of graduate school
Kazakhstan	TQG-04	D	National options recoded for international comparability: 1 = Did not complete upper secondary education 2 = Upper secondary education 3 = Technical and professional education / Post-secondary education 4 = Category not administered or data not available 5 = Higher education (Bachelor) 6 = Graduate education (Master) 7 = Doctor (PhD)
Korea, Rep. of	TQG-04	D	National options recoded for international comparability: 1 = Did not complete high school 2 = High school 3 = Option not administered or data not available 4 = College 5 = University 6 = Graduate school for Master's degree 7 = Graduate school for Doctoral degree
Kosovo	TQG-04	D	Nationally defined options: 1 = Did not complete upper secondary education 2 = Upper secondary education 3 = Post-secondary, non-tertiary education 4 = Short-cycle tertiary education 5 = Bachelor's or equivalent level 6 = Master's or equivalent level 7 = Doctor or equivalent level
Kuwait	TQG-04	D	Nationally defined options: 1 = Did not complete upper secondary education 2 = Upper secondary education 3 = Post-secondary education (diploma) 4 = Short-cycle tertiary education 5 = Bachelor's or equivalent level 6 = Master's or equivalent level 7 = Doctor or equivalent level

Latvia	TQG-04	D	<p>National options recoded for international comparability:</p> <p>1 = Did not complete secondary education</p> <p>2 = Secondary education</p> <p>3 = Post-secondary, non-tertiary vocational education</p> <p>4 = First degree tertiary professional education (college)</p> <p>5 = Second level tertiary education (Bachelor's degree in academic or professional studies)</p> <p>6 = Previous education equalized to Master's degree / Master's degree</p> <p>7 = Doctor's degree</p>
Lithuania	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Not completed secondary</p> <p>2 = Secondary</p> <p>3 = Vocational (already having secondary education)</p> <p>4 = Further (finished further education school, technical school)</p> <p>5 = Bachelor's or vocational Bachelor degree</p> <p>6 = Master's or higher degree</p> <p>7 = Doctor's or higher degree</p>
Malta	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete upper secondary education / MATSEC certificate or equivalent</p> <p>2 = Upper secondary education / MATSEC certificate or equivalent</p> <p>3 = VET National Diploma or equivalent</p> <p>4 = Undergraduate certificate or diploma or VET Higher National Diploma or equivalent</p> <p>5 = Bachelor's degree or VET degree or equivalent</p> <p>6 = Master's degree or equivalent</p> <p>7 = Doctorate degree or equivalent</p>
Montenegro	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete high vocational (3 years) education</p> <p>2 = High vocational (3 years) education</p> <p>3 = Secondary vocational school (4 years) or gymnasium</p> <p>4 = High school</p> <p>5 = Basic university studies</p> <p>6 = Master's studies diploma</p> <p>7 = Doctorate or PhD studies</p>

Morocco	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Not completed secondary education</p> <p>2 = Secondary education qualification completed</p> <p>3 = Preparatory sections</p> <p>4 = Diploma university studies</p> <p>5 = Certificate of license or equivalent</p> <p>6 = Certificate of Master or equivalent</p> <p>7 = Doctorate degree or equivalent</p>
Netherlands	TQG-04	D	<p>National options recoded for international comparability:</p> <p>1 = No education with diploma or lower secondary vocational education</p> <p>2 = Upper secondary education</p> <p>3 = Option not administered or data not available</p> <p>4 = Short cycle tertiary education</p> <p>5 = Higher vocational education or Bachelor's</p> <p>6 = Master's</p> <p>7 = Doctorate degree</p>
New Zealand	TQG-04	D	<p>National options recoded for international comparability:</p> <p>1 = Option not administered or data not available</p> <p>2 = Option not administered or data not available</p> <p>3 = Option not administered or data not available</p> <p>4 = College of Education diploma or other national or vocational diploma</p> <p>5 = Bachelor's degree</p> <p>6 = Bachelor's Honors, Postgraduate diploma, or Master's degree</p> <p>7 = PhD</p>
North Macedonia	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete secondary education</p> <p>2 = Secondary education</p> <p>3 = Post-secondary vocational education</p> <p>4 = Two-year faculty</p> <p>5 = Bachelor's studies</p> <p>6 = Master's studies</p> <p>7 = Doctor's studies</p>
Northern Ireland	TQG-04	D	<p>National categories recoded for international comparability:</p> <p>1 = Did not complete A-levels or equivalent</p> <p>2 = A-levels or equivalent / Access course for higher education</p> <p>3 = Option not administered or data not available</p> <p>4 = Certificate of Education or HND</p> <p>5 = Bachelor's degree</p> <p>6 = Master's degree / Professional Qualification for Headship (PQH(NI))</p> <p>7 = Doctorate</p>

Norway	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete upper secondary school</p> <p>2 = Upper secondary school</p> <p>3 = Education beyond upper secondary school (not in university or university colleges)</p> <p>4 = University or university college education of 1-2 years</p> <p>5 = University or university college at least 3 years (Bachelor's degree, cand.mag or equivalent)</p> <p>6 = University or university college at least 5 years (Master's degree or equivalent)</p> <p>7 = PhD</p>
Oman	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete upper secondary education</p> <p>2 = Upper secondary education</p> <p>3 = Post-secondary, non-tertiary education</p> <p>4 = Tertiary Education Diploma</p> <p>5 = Bachelor's or equivalent level</p> <p>6 = Master's or equivalent level</p> <p>7 = Doctor or equivalent level</p>
Pakistan	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Incomplete matric</p> <p>2 = Matric</p> <p>3 = F.A/F.Sc</p> <p>4 = B.A/B.Sc</p> <p>5 = B.S (Hons)</p> <p>6 = Master or equivalent</p> <p>7 = PhD or equivalent</p>
Philippines	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete upper secondary education—ISCED Level 3</p> <p>2 = Upper secondary education—ISCED Level 3</p> <p>3 = Post-secondary, non-tertiary education—ISCED Level 4</p> <p>4 = Short-cycle tertiary education—ISCED Level 5</p> <p>5 = Bachelor's or equivalent level—ISCED Level 6</p> <p>6 = Master's or equivalent level—ISCED Level 7</p> <p>7 = Doctorate or equivalent level—ISCED Level 8</p>
Poland	TQG-04	D	<p>National options recoded for international comparability:</p> <p>1 = Option not administered or data not available</p> <p>2 = Option not administered or data not available</p> <p>3 = Teacher college</p> <p>4 = Option not administered or data not available</p> <p>5 = Higher Bachelor's or Engineer's</p> <p>6 = Higher Master's or Physician's</p> <p>7 = Doctorate</p>

Portugal	TQG-04	D	<p>National options recoded for international comparability:</p> <p>1 = Option not administered or data not available</p> <p>2 = Option not administered or data not available</p> <p>3 = Option not administered or data not available</p> <p>4 = Short-cycle tertiary education</p> <p>5 = Bachelor's</p> <p>6 = Master's</p> <p>7 = Doctor</p>
Qatar	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete secondary education</p> <p>2 = Secondary education</p> <p>3 = Post-secondary, non-tertiary education</p> <p>4 = Diploma (short-cycle tertiary education, before university)</p> <p>5 = Bachelor's degree or equivalent level</p> <p>6 = Master's degree or equivalent level</p> <p>7 = PhD or equivalent level</p>
Russian Federation	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Basic general education</p> <p>2 = Secondary general education</p> <p>3 = Short-time course or program on the base of secondary education, initial vocational education</p> <p>4 = Incomplete higher education (two years or more)</p> <p>5 = Higher education: Bachelor or equivalent (three years or more)</p> <p>6 = Higher education: Master or equivalent (five years or more), second university degree</p> <p>7 = Candidate or Doctor degree</p>
Saudi Arabia	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete secondary education</p> <p>2 = Secondary education</p> <p>3 = Post-secondary, non-tertiary education</p> <p>4 = Diploma short-cycle tertiary education</p> <p>5 = Bachelor's or equivalent level</p> <p>6 = Master's or equivalent level</p> <p>7 = Doctor or equivalent level</p>
Serbia	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete secondary education</p> <p>2 = Secondary education</p> <p>3 = Post secondary, non tertiary education</p> <p>4 = Short cycle tertiary education</p> <p>5 = Basic university studies</p> <p>6 = Magisterium, specialist or Master studies</p> <p>7 = Doctorate or PhD studies in science or arts</p>

Singapore	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete upper secondary</p> <p>2 = Upper secondary</p> <p>3 = Post-secondary non-tertiary (e.g., JC, CI, ITE)</p> <p>4 = Polytechnic</p> <p>5 = University Bachelor's degree</p> <p>6 = Master's degree</p> <p>7 = Doctoral (e.g., PhD) degree</p>
Slovak Republic	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Incomplete secondary education</p> <p>2 = Secondary education</p> <p>3 = Post-secondary education</p> <p>4 = Higher professional education</p> <p>5 = Bachelor's study</p> <p>6 = University education - 2nd stage (Master's degree)</p> <p>7 = University education - 3rd stage (PhD degree)</p>
South Africa	TQG-04	D	<p>National options recoded for international comparability:</p> <p>1 = Did not complete Grade 12</p> <p>2 = Grade 12</p> <p>3 = Post-matric certificate</p> <p>4 = Diploma</p> <p>5 = First degree / Honors degree</p> <p>6 = Master's degree</p> <p>7 = Doctoral degree</p>
Spain	TQG-04	D	<p>National options recoded for international comparability:</p> <p>1 = Did not complete high school, intermediate level of vocational training or equivalent</p> <p>2 = High school, intermediate level of vocational training or equivalent</p> <p>3 = Option not administered or data not available</p> <p>4 = Higher level of vocational training or equivalent</p> <p>5 = University degree (3 years), technical engineering, technical architecture or university degree (4 years)</p> <p>6 = University degree (5-6 years), engineering, architecture or Master</p> <p>7 = PhD</p>

Sweden	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete secondary school</p> <p>2 = Secondary school</p> <p>3 = Tertiary education, not university college</p> <p>4 = Higher education up to 2 years (e.g., university college degree)</p> <p>5 = University or university college degree (e.g., Bachelor's degree)</p> <p>6 = University or university college degree, (e.g., Master's degree)</p> <p>7 = Postgraduate education</p>
Turkey	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete high school</p> <p>2 = High school</p> <p>3 = Vocational courses after high school</p> <p>4 = Two-year degree</p> <p>5 = Bachelor's degree</p> <p>6 = Master's degree</p> <p>7 = Doctor</p>
United Arab Emirates	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete Cycle 3 (Grade 10 or Year 11 - Grade 12 or Year 13)</p> <p>2 = Cycle 3 (Grade 10 or Year 11 - Grade 12 or Year 13)</p> <p>3 = Technical education or vocational training course</p> <p>4 = College diploma</p> <p>5 = Bachelor's degree</p> <p>6 = Master's degree (e.g., Master of Arts degree or M.Sc.)</p> <p>7 = Doctoral degree (e.g., Ph.D. or Ed.D.)</p>
United States	TQG-04	D	<p>National options recoded for international comparability:</p> <p>1 = Did not complete high school</p> <p>2 = High school graduate</p> <p>3 = Option not administered or data not available</p> <p>4 = Associate's degree (2-year college program)</p> <p>5 = Bachelor's degree (4-year college program)</p> <p>6 = Master's degree or professional degree (MD, DDS, lawyer, minister)</p> <p>7 = Doctorate (Ph.D., Ed.D.)</p>

Benchmarking Participants

Ontario, Canada	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete high school</p> <p>2 = High school</p> <p>3 = College or cégep (three-year vocational training), registered apprenticeship, trade certificate</p> <p>4 = College or cégep (two-year pre-university)</p> <p>5 = Bachelor's degree</p> <p>6 = Master's degree</p> <p>7 = Doctoral degree</p>
Quebec, Canada	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete high school</p> <p>2 = High school</p> <p>3 = College or cégep (three-year vocational training), registered apprenticeship, trade certificate</p> <p>4 = College or cégep (two-year pre-university)</p> <p>5 = Bachelor's degree</p> <p>6 = Master's degree</p> <p>7 = Doctoral degree</p>
Moscow City, Russian Fed.	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Basic general education</p> <p>2 = Secondary general education</p> <p>3 = Short-time course or program on the base of secondary education, initial vocational education</p> <p>4 = Incomplete higher education: (two years or more)</p> <p>5 = Higher education: Bachelor or equivalent (three years or more)</p> <p>6 = Higher education: Master or equivalent (five years or more), second university degree</p> <p>7 = Candidate or Doctor degree</p>
Madrid, Spain	TQG-04	D	<p>National options recoded for international comparability:</p> <p>1 = Did not complete high school, intermediate level of vocational training or equivalent</p> <p>2 = High school, intermediate level of vocational training or equivalent</p> <p>3 = Option not administered or data not available</p> <p>4 = Higher level of vocational training or equivalent</p> <p>5 = University degree (3 years), technical engineering, technical architecture or university degree (4 years)</p> <p>6 = University degree (5-6 years), engineering, architecture or Master</p> <p>7 = PhD</p>

Abu Dhabi, UAE	TQG-04	D	Nationally defined options: 1 = Did not complete Cycle 3 (Grade 10 or Year 11 - Grade 12 or Year 13) 2 = Cycle 3 (Grade 10 or Year 11 - Grade 12 or Year 13) 3 = Technical education or vocational training course 4 = College diploma 5 = Bachelor's degree 6 = Master's degree (e.g., Master of Arts degree, M.Sc.) 7 = Doctoral degree (e.g., Ph.D. or Ed.D.)
Dubai, UAE	TQG-04	D	Nationally defined options: 1 = Did not complete Cycle 3 (Grade 10 or Year 11 - Grade 12 or Year 13) 2 = Cycle 3 (Grade 10 or Year 11 - Grade 12 or Year 13) 3 = Technical education or vocational training course 4 = College diploma 5 = Bachelor's degree 6 = Master's degree (e.g., Master of Arts degree, M.Sc.) 7 = Doctoral degree (e.g., Ph.D. or Ed.D.)

TQG-05AA-AF

Question:

During your <post-secondary> education, what was your major or main area(s) of study?

- A: Education—Primary/Elementary
- B: Education—Secondary
- C: Mathematics
- D: Science
- E: <language of test>
- F: Other

- 1 = Yes
- 2 = No

Variable Name(s): ATBG05AA, ATBG05AB, ATBG05AC, ATBG05AD, ATBG05AE, ATBG05AF

Country	Item ID	Code	Documentation
Armenia	TQG-05AA-AF	D	Stem of the question changed: In the higher education institution, what was your major or main area(s) of study?
Austria	TQG-05AA-AF	D	Stem of the question changed: What kind of studies did you complete?

Austria	TQG-05AA	D	Teaching certificate for primary schools / Teaching certificate for special education needs schools
Austria	TQG-05AB	D	Teaching certificate for secondary schools
Austria	TQG-05AC	D	Teacher's studies or diploma studies in mathematics
Austria	TQG-05AD	D	Teacher's studies or diploma studies in a science subject
Austria	TQG-05AE	D	Teacher's studies or diploma studies in German
Austria	TQG-05AF	X	Option not administered or data not available
Azerbaijan	TQG-05AE	D	Russian (if ITLANG = 29) / Azerbaijani (if ITLANG = 55)
Bahrain	TQG-05AE	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Belgium (Flemish)	TQG-05AA-AF	D	Stem of the question changed: Which teacher training program have you completed?
Belgium (Flemish)	TQG-05AC-AE	X	Option not administered or data not available
Belgium (Flemish)	TQG-05AA	D	Professional Bachelor in education - elementary education / Professional Bachelor in education - primary education
Belgium (Flemish)	TQG-05AB	D	Professional Bachelor in education - secondary education
Bosnia and Herzegovina	TQG-05AA-AF	D	Stem of the question changed: What was your major or main area(s) of studies?
Bosnia and Herzegovina	TQG-05AE	D	Bosnian language (if ITLANG = 37) / Croatian language (if ITLANG = 56) / Serbian language (if ITLANG = 69)
Bulgaria	TQG-05AA-AF	D	Stem of the question changed: What area(s) did you study during your higher education?
Bulgaria	TQG-05AE	D	Bulgarian philology
Canada	TQG-05AE	D	English (if ITLANG = 1) / French (if ITLANG = 3)
Chile	TQG-05AA-AF	D	Higher education
Chinese Taipei	TQG-05AA-AF	D	College education
Croatia	TQG-05AA-AF	D	Higher or high education
Croatia	TQG-05AA	D	Social sciences and humanities area of study (Faculty of Education)
Croatia	TQG-05AB	X	Option not administered or data not available

Croatia	TQG-05AC	X	Option not administered or data not available
Croatia	TQG-05AD	D	Natural Sciences area of study
Croatia	TQG-05AE	X	Option not administered or data not available
Cyprus	TQG-05AA-AF	D	Tertiary
Cyprus	TQG-05AE	D	Greek (if ITLANG = 44) / English (if ITLANG = 1)
Czech Republic	TQG-05AA-AF	D	University
Denmark	TQG-05AA-AF	D	Further
Denmark	TQG-05AD	D	Nature or technology (nature or technique)
Finland	TQG-05AE	D	Finnish language (if ITLANG = 43) / Swedish language (if ITLANG = 32)
France	TQG-05AA-AF	D	After the Baccalaureate
Georgia	TQG-05AE	D	Georgian language and literature
Germany	TQG-05AA-AF	D	Stem of the question changed: Which were the focus points of your post-secondary education?
Germany	TQG-05AD	D	Biology / Geography / Chemistry / Physics / Science
Germany	TQG-05AF	D	Education—Special Needs / German as a second language or German as a foreign language / Foreign languages / Other subject or other subjects
Hong Kong SAR	TQG-05AE	D	English (if ITLANG = 1) / Chinese (if ITLANG = 10)
Hungary	TQG-05AA-AF	D	Stem of the question changed: Which majors have you finished your tertiary education in?
Hungary	TQG-05AA	D	Primary school teacher (grade 1-4) / Primary school teacher (grade 5-8) of any specialization
Hungary	TQG-05AE	D	Hungarian grammar and literature
Ireland	TQG-05AA-AF	D	Third-level education
Ireland	TQG-05AE	D	English
Italy	TQG-05AA-AF	D	Stem of the question changed: If you continued the study after secondary education, what was your major or main area(s) of study?

Japan	TQG-05AA-AF	D	Upper secondary education
Kazakhstan	TQG-05AE	D	Kazakh (if ITLANG = 39) / Russian (if ITLANG = 29)
Korea, Rep. of	TQG-05AA-AF	D	Tertiary
Kuwait	TQG-05AE	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Lithuania	TQG-05AA-AF	D	Stem of the question changed: What was your major or main area(s) of study?
Lithuania	TQG-05AE	D	Language of testing (Lithuanian, Polish or Russian)
Montenegro	TQG-05AA-AF	D	Stem of the question changed: What was your major or main area(s) of study?
Netherlands	TQG-05AA-AF	D	Stem of the question changed: Which teacher training did you complete with a diploma?
Netherlands	TQG-05AC-AE	X	Option not administered or data not available
Netherlands	TQG-05AA	D	Not yet finished or internship / PABO (4 year) / Two year PABO / PA, kweekschool, teacher training for kindergarten
Netherlands	TQG-05AB	D	Teacher training for secondary school teachers
New Zealand	TQG-05AA	D	Education—Primary
North Macedonia	TQG-05AA-AF	D	Two-year faculty or Bachelor's studies
North Macedonia	TQG-05AE	D	Macedonian language (if ITLANG = 23) / Albanian language (if ITLANG = 5)
Northern Ireland	TQG-05AA	D	Education—Primary
Northern Ireland	TQG-05AB	D	Education—Post-primary
Oman	TQG-05AE	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Pakistan	TQG-05AE	D	English (if ITLANG = 1) / Urdu (if ITLANG = 80) / Not administered (if ITLANG = 81)
Philippines	TQG-05AA-AF	D	College
Poland	TQG-05AA-AF	D	Stem of the question changed: What fields of study (majors) have you completed?
Poland	TQG-05AA	D	Elementary education (Grades 1–3)

Poland	TQG-05AB	X	Option not administered or data not available
Poland	TQG-05AD	D	Geography / Biology / Chemistry / Physics
Portugal	TQG-05AA-AF	D	Higher education
Qatar	TQG-05AE	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Russian Federation	TQG-05AA-AF	D	Stem of the question changed: What was your major or main area(s) of study?
Saudi Arabia	TQG-05AE	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Serbia	TQG-05AA-AF	D	Stem of the question changed: What was your major or main area(s) of study during your academic education?
Slovak Republic	TQG-05AE	D	Slovak (if ITLANG = 30) / Hungarian (if ITLANG = 17)
Slovak Republic	TQG-05AF	D	For ITLANG = 17 ("Hungarian") Slovak language / Other subject For ITLANG = 30 ("Slovak") Hungarian language / Other subject
South Africa	TQG-05AA-AF	D	Tertiary
South Africa	TQG-05AE	D	English (if ITLANG = 1) / Afrikaans (if ITLANG = 4)
Spain	TQG-05AA-AF	D	University education
Spain	TQG-05AE	D	Spanish (if ITLANG = 2 or 57) / Catalan (if ITLANG = 49) / Basque (if ITLANG = 51) / Valencian (if ITLANG = 52)
Turkey	TQG-05AA-AF	D	Higher education
United Arab Emirates	TQG-05AE	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
United States	TQG-05AA-AF	D	College or university
Benchmarking Participants			
Ontario, Canada	TQG-05AE	D	English (if ITLANG = 1) / French (if ITLANG = 3)
Quebec, Canada	TQG-05AE	D	English (if ITLANG = 1) / French (if ITLANG = 3)
Moscow City, Russian Fed.	TQG-05AA-AF	D	Stem of the question changed: What was your major or main area(s) of study?

Madrid, Spain	TQG-05AA-AF	D	University education
Madrid, Spain	TQG-05AE	D	Spanish (if ITLANG = 2 or 57) / Catalan (if ITLANG = 49) / Basque (if ITLANG = 51) / Valencian (if ITLANG = 52)
Abu Dhabi, UAE	TQG-05AE	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Dubai, UAE	TQG-05AE	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)

TQG-05BA-BD

Question:

If your major or main area of study was education, did you have a <specialization> in any of the following?

- A: Mathematics
- B: Science
- C: Language/reading
- D: Other subject

- 1 = Yes
- 2 = No

Variable Name(s): ATBG05BA, ATBG05BB, ATBG05BC, ATBG05BD

Country	Item ID	Code	Documentation
Armenia	TQG-05BC	D	Armenian language and literature
Austria	TQG-05BA-BD	X	Question not administered or data not available
Azerbaijan	TQG-05BC	D	Russian language or reading (if ITLANG = 29) / Language or reading (if ITLANG = 55)
Bulgaria	TQG-05BA-BD	D	Stem of the question changed: If you studied pedagogy, did you have an earned qualification in any of the following areas?
Chinese Taipei	TQG-05BA-BD	D	Professional qualification
Croatia	TQG-05BA-BD	D	Stem of the question changed: If you went to Faculty (Academia) of Education, did you have specialization in any of the following areas?
Croatia	TQG-05BC	D	Croatian language
Denmark	TQG-05BA-BD	D	Specialization (main subject)

Denmark	TQG-05BB	D	Nature or technology (nature or technique)
Germany	TQG-05BA-BD	D	Stem of the question changed: If you have completed a teacher training, did it include a specialization in one or more of the following subjects?
Germany	TQG-05BB	D	Biology / Geography / Chemistry / Physics / Science
Germany	TQG-05BD	D	English / Primary school didactics / Pedagogy of inclusion or of special needs / Other subject or other subjects
Hungary	TQG-05BA-BD	D	Stem of the question changed: If you received a teacher certificate, did you have a specialization in the following fields?
Hungary	TQG-05BC	D	Hungarian language and literature
Ireland	TQG-05BA-BD	D	Stem of the question changed: If your major or main area of study was education, did you have a specialization within education (e.g., an elective course) in any of the following?
Italy	TQG-05BA-BD	D	Stem of the question changed: If your major or main area of study was primary educational sciences or educational sciences, did you attend a specialized course in any of the following disciplines?
Korea, Rep. of	TQG-05BA-BD	D	Major or specialization
Northern Ireland	TQG-05BC	D	English or reading
Poland	TQG-05BA-BD	D	Stem of the question changed: What subjects are you entitled to teach?
Russian Federation	TQG-05BA-BD	D	Stem of the question changed: If you got pedagogical education did you have a specialization in any of the following?
Russian Federation	TQG-05BC	D	Russian language or reading
Singapore	TQG-05BC	D	English language or reading
Slovak Republic	TQG-05BA-BD	D	Stem of the question changed: If you completed the area of education, do you have a specialization in any of the following areas?

Slovak Republic	TQG-05BC	D	For ITLANG = 17 ("Hungarian") Hungarian language or reading For ITLANG = 30 ("Slovak") Slovak language or reading
Slovak Republic	TQG-05BD	D	For ITLANG = 17 ("Hungarian") Slovak language or reading For ITLANG = 30 ("Slovak") Hungarian language or reading
Sweden	TQG-05BA-BD	D	Orientation

Benchmarking Participants

Moscow City, Russian Fed.	TQG-05BA-BD	D	Stem of the question changed: If you got pedagogical education did you have a specialization in any of the following?
Moscow City, Russian Fed.	TQG-05BC	D	Russian language and reading

TQG-08A-E

Question:

How often do you feel the following way about being a teacher?

- A: I am content with my profession as a teacher
- B: I find my work full of meaning and purpose
- C: I am enthusiastic about my job
- D: My work inspires me
- E: I am proud of the work I do

- 1 = Very often
- 2 = Often
- 3 = Sometimes
- 4 = Never or almost never

Variable Name(s): ATBG08A, ATBG08B, ATBG08C, ATBG08D, ATBG08E

Country	Item ID	Code	Documentation
Bulgaria	TQG-08B	D	I see my work as a vocation.
Norway	TQG-08A-E	D	How often do you experience the following as a teacher?

TQG-09A-H

Question:

Indicate the extent to which you agree or disagree with each of the following statements.

- A: There are too many students in the classes
- B: I have too much material to cover in class
- C: I have too many teaching hours
- D: I need more time to prepare for class
- E: I need more time to assist individual students
- F: I feel too much pressure from parents
- G: I have difficulty keeping up with all of the changes to the curriculum
- H: I have too many administrative tasks

- 1 = Agree a lot
- 2 = Agree a little
- 3 = Disagree a little
- 4 = Disagree a lot

Variable Name(s): ATBG09A, ATBG09B, ATBG09C, ATBG09D, ATBG09E, ATBG09F, ATBG09G,

Country	Item ID	Code	Documentation
Singapore	TQG-09A-H	X	Question not administered or data not available

TQG-10B

Question:

How many of the students in #G10A are in <fourth grade>?

Variable Name(s): ATBG10B

Country	Item ID	Code	Documentation
Hungary	TQG-10B	D	Gang punched to teachers' responses to question G10A "How many students are in this class?"
Iran, Islamic Rep. of	TQG-10B	D	This class
Italy	TQG-10B	D	Gang punched to teachers' responses to question G10A "How many students are in this class?"
Kuwait	TQG-10B	D	Gang punched to teachers' responses to question G10A "How many students are in this class?"

Lithuania	TQG-10B	D	Gang punched to teachers' responses to question G10A "How many students are in this class?"
Netherlands	TQG-10B	D	Gang punched to teachers' responses to question G10A "How many students are in this class?"
Norway	TQG-10B	X	Question not administered or data not available
Russian Federation	TQG-10B	X	Question not administered or data not available
Singapore	TQG-10B	D	Gang punched to teachers' responses to question G10A "How many students are in this class?"

Benchmarking Participants

Moscow City, Russian Fed.	TQG-10B	X	Question not administered or data not available
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TQG-11

Question:

How many <fourth grade> students experience difficulties understanding spoken
<language of test>?

Variable Name(s): ATBG11

Country	Item ID	Code	Documentation
Azerbaijan	TQG-11	D	Russian (if ITLANG = 29) / Azerbaijani (if ITLANG = 55)
Bahrain	TQG-11	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Bosnia and Herzegovina	TQG-11	D	Bosnian language (if ITLANG = 37) / Croatian language (if ITLANG = 56) / Serbian language (if ITLANG = 69)
Canada	TQG-11	D	English (if ITLANG = 1) / French (if ITLANG = 3)
Croatia	TQG-11	D	Croatian (if ITLANG = 56) / Not administered (if ITLANG = 20)
Cyprus	TQG-11	D	Greek (if ITLANG = 44) / English (if ITLANG = 1)
Finland	TQG-11	D	Finnish (if ITLANG = 43) / Swedish (if ITLANG = 32)
Hong Kong SAR	TQG-11	D	English (if ITLANG = 1) / Chinese (if ITLANG = 10)
Hungary	TQG-11	D	Stem of the question changed: How many students experience difficulties understanding spoken Hungarian language?

Iran, Islamic Rep. of	TQG-11	D	This class
Ireland	TQG-11	D	English
Kazakhstan	TQG-11	D	Kazakh (if ITLANG = 39) / Russian (if ITLANG = 29)
Kuwait	TQG-11	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Lithuania	TQG-11	D	Fourth grade students Language they are taught
North Macedonia	TQG-11	D	Macedonian language (if ITLANG = 23) / Albanian language (if ITLANG = 5)
Norway	TQG-11	D	Stem of the question changed: How many students in this class experience difficulties understanding spoken Norwegian?
Oman	TQG-11	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Pakistan	TQG-11	D	English (if ITLANG = 1) / Urdu (if ITLANG = 80) / Not administered (if ITLANG = 81)
Qatar	TQG-11	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Saudi Arabia	TQG-11	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Slovak Republic	TQG-11	D	Slovak (if ITLANG = 30) / Hungarian (if ITLANG = 17)
South Africa	TQG-11	D	English (if ITLANG = 1) / Afrikaans (if ITLANG = 4)
Spain	TQG-11	D	Spanish (if ITLANG = 2 or 57) / Catalan (if ITLANG = 49) / Basque (if ITLANG = 51) / Valencian (if ITLANG = 52)
United Arab Emirates	TQG-11	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Benchmarking Participants			
Ontario, Canada	TQG-11	D	English (if ITLANG = 1) / French (if ITLANG = 3)
Quebec, Canada	TQG-11	D	English (if ITLANG = 1) / French (if ITLANG = 3)
Madrid, Spain	TQG-11	D	Spanish (if ITLANG = 2 or 57) / Catalan (if ITLANG = 49) / Basque (if ITLANG = 51) / Valencian (if ITLANG = 52)
Abu Dhabi, UAE	TQG-11	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Dubai, UAE	TQG-11	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)

TQG-12A-H

Question:

How often do you do the following in teaching this class?

- A: Relate the lesson to students' daily lives
- B: Ask students to explain their answers
- C: Bring interesting materials to class
- D: Ask students to complete challenging exercises that require them to go beyond the instruction
- E: Encourage classroom discussions among students
- F: Link new content to students' prior knowledge
- G: Ask students to decide their own problem solving procedures
- H: Encourage students to express their ideas in class

- 1 = Every or almost every lesson
- 2 = About half the lessons
- 3 = Some lessons
- 4 = Never

Variable Name(s): ATBG12A, ATBG12B, ATBG12C, ATBG12D, ATBG12E, ATBG12F, ATBG12G,

Country	Item ID	Code	Documentation
Bulgaria	TQG-12D	D	Give students complex exercises that require them to go beyond the instruction
Croatia	TQG-12D	D	Ask students to complete challenging exercises at higher cognitive levels

TQM-02A-H

Question:

In teaching mathematics to this class, how often do you ask students to do the following?

- A: Listen to me explain new mathematics content
- B: Listen to me explain how to solve problems
- C: Memorize rules, procedures, and facts
- D: Practice procedures on their own
- E: Apply what they have learned to new problem situations on their own
- F: Work problems together in the whole class with direct guidance from me
- G: Work in mixed ability groups
- H: Work in same ability groups

- 1 = Every or almost every lesson
- 2 = About half the lessons
- 3 = Some lessons
- 4 = Never

Variable Name(s): ATBM02A, ATBM02B, ATBM02C, ATBM02D, ATBM02E, ATBM02F, ATBM02G,

Country	Item ID	Code	Documentation
Slovak Republic	TQM-02A	D	Follow explanation of new mathematics content
Slovak Republic	TQM-02B	D	Follow explanation, how to solve tasks

TQM-04A

Question:

Do the students in this class have computers (including tablets) available to use during their mathematics lessons?

- 1 = Yes
- 2 = No

Variable Name(s): ATBM04A

Country	Item ID	Code	Documentation
Poland	TQM-04A	D	National options recoded for international comparability: 1 = Yes, on every lesson / Yes, on some lessons 2 = No, on any lesson

TQM-04CA-CD

Question:

How often do you do activities on computers during mathematics lessons to support learning for:

- A: Whole class
- B: Low-performing students
- C: High-performing students
- D: Students with special needs

- 1 = Every or almost every day
- 2 = Once or twice a week
- 3 = Once or twice a month
- 4 = Never or almost never

Variable Name(s): ATBM04CA, ATBM04CB, ATBM04CC, ATBM04CD

Country	Item ID	Code	Documentation
Hungary	TQM-04CD	D	Students with special education needs
New Zealand	TQM-04CD	D	Students with formally identified special educational needs

TQM-05

Question:

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when the students in this class have been taught each topic. If a topic was in the curriculum before the <fourth grade>, please choose “Mostly taught before this year.” If a topic was taught half this year but not yet completed, please choose “Mostly taught this year.” If a topic is not in the curriculum, please choose “Not yet taught or just introduced”.

- 1 = Mostly taught before this year
2 = Mostly taught this year
3 = Not yet taught or just introduced

Variable Name(s): ATBM05AA-AG, ATBM05BA-BG, ATBM05CA-CC

Country	Item ID	Code	Documentation
Norway	TQM-05	D	National options recoded for international comparability: 1 = Mostly taught before this year 2 = Mostly taught this year 3 = Just introduced / Not (yet) taught
Poland	TQM-05	D	Nationally defined options: 1 = Taught in lower grades 2 = Taught in this grade 3 = Taught in higher grades
Slovak Republic	TQM-05	D	Nationally defined options: 1 = Mostly taught in previous grades 2 = Mostly taught this year 3 = Not yet taught or just introduced

TQM-07A-E

Question:

How much importance do you place on the following assessment strategies in mathematics?

- A: Observing students as they work
- B: Asking students to answer questions during class
- C: Short, regular written assessments
- D: Longer tests (e.g., unit tests or exams)
- E: Long-term projects

- 1 = A lot
- 2 = Some
- 3 = None

Variable Name(s): ATBM07A, ATBM07B, ATBM07C, ATBM07D, ATBM07E

Country	Item ID	Code	Documentation
Austria	TQM-07A-E	D	Stem of the question changed: How much importance do you place on the following formative and summative assessment strategies in mathematics?
Croatia	TQM-07A-E	D	Stem of the question changed: How much importance do you place on the following forms of achievement assessments in mathematics?
Germany	TQM-07A-E	D	National options recoded for international comparability: 1 = Major importance 2 = Some importance / Little importance 3 = No importance
Italy	TQM-07D	D	More complex tests (e.g., overall tests at the end of each term)
Montenegro	TQM-07A-E	D	Nationally defined options: 1 = I place major importance 2 = I place little importance 3 = I do not place importance
Philippines	TQM-07A-E	X	Option not administered or data not available

Serbia

TQM-07A-E

D

Nationally defined options:

1 = I place major importance

2 = I place some importance

3 = I do not place importance

TQM-09AA-AG

Question:

In the past two years, have you participated in professional development in any of the following?

A: Mathematics content

B: Mathematics pedagogy/instruction

C: Mathematics curriculum

D: Integrating technology into mathematics instruction

E: Improving students' critical thinking or problem solving skills

F: Mathematics assessment

G: Addressing individual students' needs

1 = Yes

2 = No

Variable Name(s):

ATBM09AA, ATBM09AB, ATBM09AC, ATBM09AD, ATBM09AE, ATBM09AF, ATBM09AG

Country	Item ID	Code	Documentation
Austria	TQM-09AF	D	Summative assessment in mathematics / Formative assessment in mathematics
Azerbaijan	TQM-09AC	D	Curriculum level requirements of student training for planned math results (if ITLANG = 29)
Bosnia and Herzegovina	TQM-09AC	D	Education plan and program for mathematics
Denmark	TQM-09AC	D	"Common goals" and the curriculum for mathematics
Serbia	TQM-09AC	D	National education plan and program for mathematics
Slovak Republic	TQM-09AC	D	Mathematics state or school educational program
Slovak Republic	TQM-09AD	D	Using information technology in mathematics

TQM-09BA-BG

Question:

Do you need future professional development in any of the following?

- A: Mathematics content
- B: Mathematics pedagogy/instruction
- C: Mathematics curriculum
- D: Integrating technology into mathematics instruction
- E: Improving students' critical thinking or problem solving skills
- F: Mathematics assessment
- G: Addressing individual students' needs

1 = Yes

2 = No

Variable Name(s): ATBM09BA, ATBM09BB, ATBM09BC, ATBM09BD, ATBM09BE, ATBM09BF, ATBM09BG

Country	Item ID	Code	Documentation
Austria	TQM-09BF	D	Summative assessment in mathematics / Formative assessment in mathematics
Azerbaijan	TQM-09BC	D	Curriculum level requirements of student training for planned math results (if ITLANG = 29) / Mathematics curriculum (if ITLANG = 55)
Denmark	TQM-09BC	D	"Common goals" and the curriculum for mathematics
Serbia	TQM-09BC	D	National education plan and program for mathematics
Slovak Republic	TQM-09BC	D	Mathematics state or school educational program
Slovak Republic	TQM-09BD	D	Using information technology in mathematics

TQM-10

Question:

In the past two years, how many hours in total have you spent in formal <in-service/professional development> (e.g., workshops, seminars, etc.) for mathematics?

- 1 = None
- 2 = Less than 6 hours
- 3 = 6–15 hours
- 4 = 16–35 hours
- 5 = More than 35 hours

Variable Name(s): ATBM10

Country	Item ID	Code	Documentation
Belgium (Flemish)	TQM-10	D	Professional development activities
Bulgaria	TQM-10	D	Stem of the question changed: How many hours in total in the past two years have you spent on qualification workshops or seminars, directly connected with mathematics instruction?
Chile	TQM-10	D	Professional improvement
England	TQM-10	D	INSET/professional development
Finland	TQM-10	D	Updating education
France	TQM-10	D	Training courses
Germany	TQM-10	D	Service training
Ireland	TQM-10	D	Professional development activities
Lithuania	TQM-10	D	Courses for qualification improvement
Morocco	TQM-10	D	Development of your professional abilities
Norway	TQM-10	D	Professional development within mathematics or mathematics education

South Africa	TQM-10	D	National options recoded for international comparability: 1 = None 2 = Less than 6 hours 3 = 6–15 hours 4 = 16–35 hours 5 = 36–50 hours / 51–80 hours / More than 80 hours
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Spain	TQM-10	D	Continuous training and professional development
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Turkey	TQM-10	D	Professional development activities
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Benchmarking Participants

Madrid, Spain	TQM-10	D	Continuous training and professional development
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TQS-01A

Question:

Is science taught mainly as a separate subject (i.e., not integrated with other subjects) to the students in this class?

1 = Yes
2 = No

Variable Name(s): ATBS01A

Country	Item ID	Code	Documentation
Poland	TQS-01A	D	Gang punched to "Yes"

TQS-01B

Question:

Please estimate the time that you spend on science topics with students in this class.

Variable Name(s): ATBS01B

Country	Item ID	Code	Documentation
Poland	TQS-01B	D	Stem of the question changed: How many teaching hours of science there are in this unit per week?

TQS-02A-M

Question:

In teaching science to the students in this class, how often do you ask them to do the following?

- A: Listen to me explain new science content
- B: Observe natural phenomena such as the weather or a plant growing and describe what they see
- C: Watch me demonstrate an experiment or investigation
- D: Design or plan experiments or investigations
- E: Conduct experiments or investigations
- F: Present data from experiments or investigations
- G: Interpret data from experiments or investigations
- H: Use evidence from experiments or investigations to support conclusions
- I: Read their textbooks or other resource materials
- J: Have students memorize facts and principles
- K: Do field work outside the class
- L: Work in mixed ability groups
- M: Work in same ability groups

- 1 = Every or almost every lesson
- 2 = About half the lessons
- 3 = Some lessons
- 4 = Never

Variable Name(s): ATBS02A, ATBS02B, ATBS02C, ATBS02D, ATBS02E, ATBS02F, ATBS02G, ATBS02H, ATBS02I, ATBS02J, ATBS02K, ATBS02L, ATBS02M

Country	Item ID	Code	Documentation
Philippines	TQS-02L-M	X	Option not administered or data not available

TQS-03CA-CD

Question:

How often do you do activities on computers during science lessons to support learning for:

A: Whole class
 B: Low-performing students
 C: High-performing students
 D: Students with special needs

1 = Every or almost every day
 2 = Once or twice a week
 3 = Once or twice a month
 4 = Never or almost never

Variable Name(s): ATBS03CA, ATBS03CB, ATBS03CC, ATBS03CD

Country	Item ID	Code	Documentation
Hungary	TQS-03CD	D	Students with special education needs
Montenegro	TQS-03CA-CD	D	Stem of the question changed: How often do students use computers during science lessons for the following activities?
New Zealand	TQS-03CD	D	Students with formally identified special educational needs
Philippines	TQS-03CD	X	Option not administered or data not available

TQS-04

Question:

The following list includes the main topics addressed by the TIMSS science test. Choose the response that best describes when the students in this class have been taught each topic. If a topic was in the curriculum before the <fourth grade>, please choose “Mostly taught before this year.” If a topic was taught half this year but not yet completed, please choose “Mostly taught this year.” If a topic is not in the curriculum, please choose “Not yet taught or just introduced.”

- 1 = Mostly taught before this year
- 2 = Mostly taught this year
- 3 = Not yet taught or just introduced

Variable Name(s): ATBS04AA-AG, ATBS04BA-BL, ATBS04CA-CG

Country	Item ID	Code	Documentation
Norway	TQS-04	D	National options recoded for international comparability: 1 = Mostly taught before this year 2 = Mostly taught this year 3 = Just introduced / Not (yet) taught
Poland	TQS-04	D	Nationally defined options: 1 = Taught in lower grades 2 = Taught in this grade 3 = Taught in higher grades
Slovak Republic	TQS-04	D	Nationally defined options: 1 = Mostly taught in previous grades 2 = Mostly taught this year 3 = Not yet taught or just introduced

TQS-04AA-AG

Question:

The following list includes the main topics addressed by the TIMSS science test. Choose the response that best describes when the students in this class have been taught each topic. If a topic was in the curriculum before the <fourth grade>, please choose “Mostly taught before this year.” If a topic was taught half this year but not yet completed, please choose “Mostly taught this year.” If a topic is not in the curriculum, please choose “Not yet taught or just introduced.”

1 = Mostly taught before this year

2 = Mostly taught this year

3 = Not yet taught or just introduced

Life Science

A: Physical and behavioral characteristics of living things and major groups of living things (e.g., mammals, birds, insects, flowering plants)

B: Major body structures and their functions in humans, other animals, and plants

C: Life cycles of common plants and animals (e.g., flowering plants, butterflies, frogs)

D: Characteristics of plants and animals that are inherited

E: Interactions between organisms and their environments (e.g., physical features and behaviors that help living things survive in their environments)

F: Relationships in ecosystems (e.g., simple food chains, predator-prey relationships, competition)

G: Human health (transmission and prevention of diseases, everyday behaviors that promote good health)

Variable Name(s): ATBS04AA, ATBS04AB, ATBS04AC, ATBS04AD, ATBS04AE, ATBS04AF, ATBS04AG

Country	Item ID	Code	Documentation
Armenia	TQS-04AA-AG	D	Biology
Finland	TQS-04AA-AG	D	Organic nature (if ITLANG = 43) / Living nature (if ITLANG = 32)
Lithuania	TQS-04AA-AG	D	Biology or Life Science
Montenegro	TQS-04AA-AG	D	Biology
Serbia	TQS-04AA-AG	D	Biology
Slovak Republic	TQS-04AA-AG	D	Living Nature

Slovak Republic

TQS-04AA

D

External (physical) characteristics and behavior of living things and major groups of living things (e.g., mammals, birds, insects, flowering plants)

TQS-04BA-BL

Question:

The following list includes the main topics addressed by the TIMSS science test. Choose the response that best describes when the students in this class have been taught each topic. If a topic was in the curriculum before the <fourth grade>, please choose "Mostly taught before this year." If a topic was taught half this year but not yet completed, please choose "Mostly taught this year." If a topic is not in the curriculum, please choose "Not yet taught or just introduced."

1 = Mostly taught before this year

2 = Mostly taught this year

3 = Not yet taught or just introduced

Physical Science

A: States of matter (solid, liquid, gas) and their properties (volume, shape)

B: Classifying materials based on physical properties (e.g., weight/mass, volume matter, conductivity of heat or electricity)

C: Mixtures, including methods for separating a mixture into its components (e.g., sifting, filtering, evaporation, using a magnet)

D: Properties of magnets (e.g., like poles repel and opposite poles attract, magnets can attract some objects)

E: Physical changes in everyday life (e.g., changes of state, dissolving)

F: Chemical changes in everyday life (e.g., decaying, burning, rusting, cooking)

G: Common sources of energy (e.g., the Sun, wind, oil) and uses of energy (heating and cooling homes, providing light)

H: Light and sound in everyday life (e.g., shadows and reflections, vibrating objects make sound)

I: Heat transfer (e.g., energy flows from a hot object to a colder object)

J: Electricity and simple electrical circuits (e.g., a circuit must be complete to work correctly)

K: Forces that cause objects to move (e.g., gravity, pushing/pulling) or change their motion (e.g., friction)

L: Simple machines (e.g., levers, pulleys, wheels, ramps) that help make motion easier

Variable Name(s):

ATBS04BA, ATBS04BB, ATBS04BC, ATBS04BD, ATBS04BE, ATBS04BF, ATBS04BG, ATBS04BH, ATBS04BI, ATBS04BJ, ATBS04BK, ATBS04BL

Country

Item ID

Code

Documentation

Armenia

TQS-04BA-BL

D

Physics

Bulgaria	TQS-04BA-BL	D	Physics and Chemistry
Finland	TQS-04BA-BL	D	Inorganic nature (if ITLANG = 43) / Lifeless nature (if ITLANG = 32)
Finland	TQS-04BA	D	States of matter (solid, liquid, gas) and their physical properties (volume, shape)
Germany	TQS-04BA-BL	D	Non-living nature (Physics and Chemistry)
Lithuania	TQS-04BA-BL	D	Physical Science or Non-Living Science
Montenegro	TQS-04BA-BL	D	Physics and Chemistry
Serbia	TQS-04BA-BL	D	Physics and Chemistry
Slovak Republic	TQS-04BA-BL	D	Non-living Nature

TQS-04CA-CG

Question:

The following list includes the main topics addressed by the TIMSS science test. Choose the response that best describes when the students in this class have been taught each topic. If a topic was in the curriculum before the <fourth grade>, please choose “Mostly taught before this year.” If a topic was taught half this year but not yet completed, please choose “Mostly taught this year.” If a topic is not in the curriculum, please choose “Not yet taught or just introduced.”

1 = Mostly taught before this year

2 = Mostly taught this year

3 = Not yet taught or just introduced

Earth Science

A: Physical makeup of Earth’s surface (e.g., land and water in unequal proportions, sources of fresh and salt water)

B: Earth’s resources used in everyday life (e.g., water, wind, soil, forests, oil, natural gas, minerals)

C: Changes in Earth’s surface over time (e.g., mountain building, weathering, erosion)

D: Fossils and what they can tell us about past conditions on Earth

E: Weather and climate (e.g., daily, seasonal, and locational variations versus long term trends)

F: Objects in the Solar System (the Sun, the Earth, the Moon, and other planets) and their movements

G: Earth’s motion and related patterns observed on Earth (e.g., day and night, seasons)

Variable Name(s):

ATBS04CA, ATBS04CB, ATBS04CC, ATBS04CD, ATBS04CE, ATBS04CF, ATBS04CG

Country	Item ID	Code	Documentation
Armenia	TQS-04CA-CG	D	The Surrounding World
Kazakhstan	TQS-04CA-CG	D	Geography
Lithuania	TQS-04CA-CG	D	Earth Science or Non-Living Science
Montenegro	TQS-04CA-CG	D	Geography
Serbia	TQS-04CA-CG	D	Geography

TQS-05A

Question:

How often do you usually assign science homework to the students in this class?

1 = I do not assign science homework

2 = Less than once a week

3 = 1 or 2 times a week

4 = 3 or 4 times a week

5 = Every day

Variable Name(s): ATBS05A

Country	Item ID	Code	Documentation
Serbia	TQS-05A	D	National options recoded for international comparability: 1 = I do not assign science homework 2 = Once a month / Twice a month 3 = Once a week / Every class (twice a week) 4 = Option not administered or data not available 5 = Option not administered or data not available

TQS-05B

Question:

When you assign science homework to the students in this class, about how many minutes do you usually assign? (Consider the time it would take an average student in your class.)

- 1 = 15 minutes or less
- 2 = 16–30 minutes
- 3 = 31–60 minutes
- 4 = More than 60 minutes

Variable Name(s): ATBS05B

Country	Item ID	Code	Documentation
Bulgaria	TQS-05B	D	Stem of the question changed: When you assign science homework to the students in this class, about how many minutes do you think it could be done by an average student?
Serbia	TQS-05B	D	Stem of the question changed: When you assign science homework to the students in this class, about how many minutes do students usually need for its completion?

TQS-06A-E

Question:

How much importance do you place on the following assessment strategies in science?

- A: Observing students as they work
- B: Asking students to answer questions during class
- C: Short, regular written assessments
- D: Longer tests (e.g., unit tests or exams)
- E: Long-term projects

- 1 = A lot
- 2 = Some
- 3 = None

Variable Name(s): ATBS06A, ATBS06B, ATBS06C, ATBS06D, ATBS06E

Country	Item ID	Code	Documentation
Croatia	TQS-06A-E	D	Stem of the question changed: How much importance do you place on the following forms of achievement assessments in Nature and Society?
Germany	TQS-06A-E	D	National options recoded for international comparability: 1 = Major importance 2 = Some importance / Little importance 3 = No importance
Montenegro	TQS-06A-E	D	Nationally defined options: 1 = I place major importance 2 = I place little importance 3 = I do not place importance
Serbia	TQS-06A-E	D	Nationally defined options: 1 = I place major importance 2 = I place some importance 3 = I do not place importance

TQS-08AA-AH

Question:

In the past two years, have you participated in professional development in any of the following?

- A: Science content
- B: Science pedagogy/instruction
- C: Science curriculum
- D: Integrating technology into science instruction
- E: Improving students' critical thinking or inquiry skills
- F: Science assessment
- G: Addressing individual students' needs
- H: Integrating science with other subjects (e.g., mathematics, technology)

1 = Yes
2 = No

Variable Name(s): ATBS08AA, ATBS08AB, ATBS08AC, ATBS08AD, ATBS08AE, ATBS08AF, ATBS08AG, ATBS08AH

Country	Item ID	Code	Documentation
Albania	TQS-08AD	D	Integrating technology into science

Bosnia and Herzegovina	TQS-08AC	D	Education plan and program for science
Denmark	TQS-08AC	D	"Common goals" and the curriculum for science
Serbia	TQS-08AC	D	National education plan and program for science
Slovak Republic	TQS-08AC	D	Science state or school educational program
Slovak Republic	TQS-08AD	D	Using information technology in science subjects
Slovak Republic	TQS-08AE	D	Improving students' critical thinking and exploration skills

TQS-08BA-BH

Question:

Do you need future professional development in any of the following?

- A: Science content
- B: Science pedagogy/instruction
- C: Science curriculum
- D: Integrating technology into science instruction
- E: Improving students' critical thinking or problem solving skills
- F: Science assessment
- G: Addressing individual students' needs
- H: Integrating science with other subjects (e.g., mathematics, technology)

1 = Yes

2 = No

Variable Name(s): ATBS08BA, ATBS08BB, ATBS08BC, ATBS08BD, ATBS08BE, ATBS08BF, ATBS08BG, ATBS08BH

Country	Item ID	Code	Documentation
Denmark	TQS-08BC	D	"Common goals" and the curriculum for science
Serbia	TQS-08BC	D	National education plan and program for science
Slovak Republic	TQS-08BC	D	Science state or school educational program
Slovak Republic	TQS-08BD	D	Using information technology in science subjects
Slovak Republic	TQS-08BE	D	Improving students' critical thinking and exploration skills

TQS-09

Question:

In the past two years, how many hours in total have you spent in formal <in-service/professional development> (e.g., workshops, seminars, etc.) for science?

- 1 = None
- 2 = Less than 6 hours
- 3 = 6–15 hours
- 4 = 16–35 hours
- 5 = More than 35 hours

Variable Name(s): ATBS09

Country	Item ID	Code	Documentation
Belgium (Flemish)	TQS-09	D	Professional development activities
Bulgaria	TQS-09	D	Stem of the question changed: How many hours in total in the past two years have you spent on qualification workshops or seminars, directly connected with science instruction?
Chile	TQS-09	D	Professional improvement
England	TQS-09	D	INSET/professional development
Finland	TQS-09	D	Updating education
France	TQS-09	D	Training courses
Germany	TQS-09	D	Service training
Ireland	TQS-09	D	Professional development activities
Lithuania	TQS-09	D	Courses for qualification improvement for science (world knowing science)
Morocco	TQS-09	D	Development of your professional abilities
Norway	TQS-09	D	Professional development in science or science education

South Africa	TQS-09	D	National options recoded for international comparability: 1 = None 2 = Less than 6 hours 3 = 6–15 hours 4 = 16–35 hours 5 = 36–50 hours / 51–80 hours / More than 80 hours
Spain	TQS-09	D	Continuous training and professional development
Turkey	TQS-09	D	Professional development activities
Benchmarking Participants			
Madrid, Spain	TQS-09	D	Continuous training and professional development



SECTION 1.4: **SCHOOL** **QUESTIONNAIRE** **GRADE 4**

TIMSS 2019 USER GUIDE FOR THE
INTERNATIONAL DATABASE



TIMSS & PIRLS
International Study Center
Lynch School of Education
BOSTON COLLEGE

SCQ-01

Question:

What is the total enrollment of students in your school as of <first day of month TIMSS testing begins, 2019>?

Variable Name(s): ACBG01

Country	Item ID	Code	Documentation
Albania	SCQ-01	D	March 1, 2019
Armenia	SCQ-01	D	Stem of the question changed: What is the total enrollment of students in your school?
Australia	SCQ-01	D	November 1, 2018
Austria	SCQ-01	D	March 1, 2019
Azerbaijan	SCQ-01	D	April 1, 2019
Bahrain	SCQ-01	D	April 1, 2019
Belgium (Flemish)	SCQ-01	D	May 1, 2019
Bosnia and Herzegovina	SCQ-01	D	April 2, 2019
Bulgaria	SCQ-01	D	April 1, 2019
Canada	SCQ-01	D	April 1, 2019
Chile	SCQ-01	D	October 1, 2018
Chinese Taipei	SCQ-01	D	May 1, 2019
Croatia	SCQ-01	D	March 1, 2019
Cyprus	SCQ-01	D	March 1, 2019
Czech Republic	SCQ-01	D	May 1, 2019
Denmark	SCQ-01	D	March 1, 2019
England	SCQ-01	D	February 25, 2019
Finland	SCQ-01	D	April 1, 2019

France	SCQ-01	D	May 1, 2019
Georgia	SCQ-01	D	May 1, 2019
Germany	SCQ-01	D	April 1, 2019
Hong Kong SAR	SCQ-01	D	April 1, 2019
Hungary	SCQ-01	D	March 1, 2019
Iran, Islamic Rep. of	SCQ-01	D	February 20, 2019
Ireland	SCQ-01	D	March 1, 2019
Italy	SCQ-01	D	March 1, 2019
Japan	SCQ-01	D	February 1, 2019
Kazakhstan	SCQ-01	D	April 1, 2019
Korea, Rep. of	SCQ-01	D	December 1, 2018
Kosovo	SCQ-01	D	April 22, 2019
Kuwait	SCQ-01	D	April 1, 2019
Latvia	SCQ-01	D	March 1, 2019
Lithuania	SCQ-01	D	March 1, 2019
Malta	SCQ-01	D	March 1, 2019
Montenegro	SCQ-01	D	March 1, 2019
Morocco	SCQ-01	D	May 1, 2019
Netherlands	SCQ-01	D	March 1, 2019
New Zealand	SCQ-01	D	October 1, 2018
North Macedonia	SCQ-01	D	Until today
Northern Ireland	SCQ-01	D	May 1, 2019
Norway	SCQ-01	D	March 1, 2019
Oman	SCQ-01	D	April 1, 2019
Pakistan	SCQ-01	D	April 1, 2019

Philippines	SCQ-01	D	March 4, 2019
Poland	SCQ-01	D	April 1, 2019
Portugal	SCQ-01	D	April 23, 2019
Qatar	SCQ-01	D	March 3, 2019
Russian Federation	SCQ-01	D	April 1, 2019
Saudi Arabia	SCQ-01	D	April 1, 2019
Serbia	SCQ-01	D	March 1, 2019
Singapore	SCQ-01	D	October 1, 2018
Slovak Republic	SCQ-01	D	May 1, 2019
South Africa	SCQ-01	D	October 1, 2018
Spain	SCQ-01	D	April 1, 2019
Sweden	SCQ-01	D	March 1, 2019
Turkey	SCQ-01	D	March 1, 2019
United Arab Emirates	SCQ-01	D	February 1, 2019
United States	SCQ-01	D	April 1, 2019

Benchmarking Participants

Ontario, Canada	SCQ-01	D	April 1, 2019
Quebec, Canada	SCQ-01	D	April 1, 2019
Moscow City, Russian Fed.	SCQ-01	D	April 1, 2019
Madrid, Spain	SCQ-01	D	April 1, 2019
Abu Dhabi, UAE	SCQ-01	D	February 1, 2019
Dubai, UAE	SCQ-01	D	February 1, 2019

SCQ-02

Question:

What is the total enrollment of <fourth grade> students in your school as of <first day of month TIMSS testing begins, 2019>?

Variable Name(s): ACBG02

Country	Item ID	Code	Documentation
Albania	SCQ-02	D	March 1, 2019
Armenia	SCQ-02	D	Stem of the question changed: What is the total enrollment of fourth grade students in your school?
Australia	SCQ-02	D	November 1, 2018
Austria	SCQ-02	D	March 1, 2019
Azerbaijan	SCQ-02	D	April 1, 2019
Bahrain	SCQ-02	D	April 1, 2019
Belgium (Flemish)	SCQ-02	D	May 1, 2019
Bosnia and Herzegovina	SCQ-02	D	April 2, 2019
Bulgaria	SCQ-02	D	April 1, 2019
Canada	SCQ-02	D	April 1, 2019
Chile	SCQ-02	D	October 1, 2018
Chinese Taipei	SCQ-02	D	May 1, 2019
Croatia	SCQ-02	D	March 1, 2019
Cyprus	SCQ-02	D	March 1, 2019
Czech Republic	SCQ-02	D	May 1, 2019
Denmark	SCQ-02	D	March 1, 2019
England	SCQ-02	D	February 25, 2019
Finland	SCQ-02	D	April 1, 2019

France	SCQ-02	D	May 1, 2019
Georgia	SCQ-02	D	May 1, 2019
Germany	SCQ-02	D	April 1, 2019
Hong Kong SAR	SCQ-02	D	April 1, 2019
Hungary	SCQ-02	D	March 1, 2019
Iran, Islamic Rep. of	SCQ-02	D	February 20, 2019
Ireland	SCQ-02	D	March 1, 2019
Italy	SCQ-02	D	March 1, 2019
Japan	SCQ-02	D	February 1, 2019
Kazakhstan	SCQ-02	D	April 1, 2019
Korea, Rep. of	SCQ-02	D	December 1, 2018
Kosovo	SCQ-02	D	April 22, 2019
Kuwait	SCQ-02	D	April 1, 2019
Latvia	SCQ-02	D	March 1, 2019
Lithuania	SCQ-02	D	March 1, 2019
Malta	SCQ-02	D	March 1, 2019
Montenegro	SCQ-02	D	March 1, 2019
Morocco	SCQ-02	D	May 1, 2019
Netherlands	SCQ-02	D	March 1, 2019
New Zealand	SCQ-02	D	October 1, 2018
North Macedonia	SCQ-02	D	Until today
Northern Ireland	SCQ-02	D	May 1, 2019
Norway	SCQ-02	D	March 1, 2019
Oman	SCQ-02	D	April 1, 2019
Pakistan	SCQ-02	D	April 1, 2019

Philippines	SCQ-02	D	March 4, 2019
Poland	SCQ-02	D	April 1, 2019
Portugal	SCQ-02	D	April 23, 2019
Qatar	SCQ-02	D	March 3, 2019
Russian Federation	SCQ-02	D	April 1, 2019
Saudi Arabia	SCQ-02	D	April 1, 2019
Serbia	SCQ-02	D	March 1, 2019
Singapore	SCQ-02	D	October 1, 2018
Slovak Republic	SCQ-02	D	May 1, 2019
South Africa	SCQ-02	D	October 1, 2018
Spain	SCQ-02	D	April 1, 2019
Sweden	SCQ-02	D	March 1, 2019
Turkey	SCQ-02	D	March 1, 2019
United Arab Emirates	SCQ-02	D	February 1, 2019
United States	SCQ-02	D	April 1, 2019

Benchmarking Participants

Ontario, Canada	SCQ-02	D	April 1, 2019
Quebec, Canada	SCQ-02	D	April 1, 2019
Moscow City, Russian Fed.	SCQ-02	D	April 1, 2019
Madrid, Spain	SCQ-02	D	April 1, 2019
Abu Dhabi, UAE	SCQ-02	D	February 1, 2019
Dubai, UAE	SCQ-02	D	February 1, 2019

SCQ-04

Question:

Approximately what percentage of students in your school have <language of test> as their native language?

- 1 = More than 90%
- 2 = 76 to 90%
- 3 = 51 to 75%
- 4 = 26 to 50%
- 5 = 25% or less

Variable Name(s): ACBG04

Country	Item ID	Code	Documentation
Azerbaijan	SCQ-04	D	Azerbaijani (if ITLANG = 55) / Not administered (if ITLANG = 29)
Bahrain	SCQ-04	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Bosnia and Herzegovina	SCQ-04	D	Bosnian language (if ITLANG = 37) / Croatian language (if ITLANG = 56) / Serbian language (if ITLANG = 69)
Canada	SCQ-04	D	Stem of the question changed: Approximately what percentage of students in your school have English as their first language (mother tongue)? (if ITLANG = 1) / Approximately what percentage of students in your school have French as their first language (mother tongue)? (if ITLANG = 3)
Croatia	SCQ-04	D	Croatian (if ITLANG = 56) / Not administered (if ITLANG = 20)
Cyprus	SCQ-04	D	Greek (if ITLANG = 44) / English (if ITLANG = 1)
Finland	SCQ-04	D	Finnish (if ITLANG = 43) / Swedish (if ITLANG = 32)
Germany	SCQ-04	D	National options recoded for international comparability: 1 = More than 90% 2 = 76 to 90% 3 = 51 to 75% 4 = 26 to 50% 5 = 25 - 10% / Less than 10%
Hong Kong SAR	SCQ-04	D	English (if ITLANG = 1) / Chinese (if ITLANG = 10)

Ireland	SCQ-04	D	Stem of the question changed: Approximately what percentage of pupils in your school are native English or Irish speakers?
Kazakhstan	SCQ-04	D	Kazakh (if ITLANG = 39) / Russian (if ITLANG = 29)
Kuwait	SCQ-04	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Lithuania	SCQ-04	D	The language they are taught at school
North Macedonia	SCQ-04	D	Macedonian language (if ITLANG = 23) / Albanian language (if ITLANG = 5)
Oman	SCQ-04	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Pakistan	SCQ-04	D	English (if ITLANG = 1) / Urdu (if ITLANG = 80) / Not administered (if ITLANG = 81)
Qatar	SCQ-04	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Saudi Arabia	SCQ-04	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Singapore	SCQ-04	D	Gang punched to "25% or less"
Slovak Republic	SCQ-04	D	Slovak (if ITLANG = 30) / Hungarian (if ITLANG = 17)
South Africa	SCQ-04	D	Stem of the question changed: Approximately what percentage of learners in your school have English as their home language? (if ITLANG = 1) / Approximately what percentage of learners in your school have Afrikaans as their home language? (if ITLANG = 4)
Spain	SCQ-04	D	Spanish (if ITLANG = 2 or 57) / Catalan (if ITLANG = 49) / Basque (if ITLANG = 51) / Valencian (if ITLANG = 52)
United Arab Emirates	SCQ-04	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Benchmarking Participants			
Ontario, Canada	SCQ-04	D	Stem of the question changed: Approximately what percentage of students in your school have English as their first language (mother tongue)? (if ITLANG = 1) / Approximately what percentage of students in your school have French as their first language (mother tongue)? (if ITLANG = 3)

Quebec, Canada	SCQ-04	D	Stem of the question changed: Approximately what percentage of students in your school have English as their first language (mother tongue)? (if ITLANG = 1) / Approximately what percentage of students in your school have French as their first language (mother tongue)? (if ITLANG = 3)
Madrid, Spain	SCQ-04	D	Spanish (if ITLANG = 2 or 57) / Catalan (if ITLANG = 49) / Basque (if ITLANG = 51) / Valencian (if ITLANG = 52)
Abu Dhabi, UAE	SCQ-04	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Dubai, UAE	SCQ-04	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)

SCQ-05A

Question:

How many people live in the city, town, or area where your school is located?

- 1 = More than 500,000 people
- 2 = 100,001 to 500,000 people
- 3 = 50,001 to 100,000 people
- 4 = 30,001 to 50,000 people
- 5 = 15,001 to 30,000 people
- 6 = 3,001 to 15,000 people
- 7 = 3,000 people or fewer

Variable Name(s): ACBG05A

Country	Item ID	Code	Documentation
Australia	SCQ-05A	D	National options recoded for international comparability: 1 = More than 500,000 people 2 = 100,001 to 500,000 people 3 = 50,001 to 100,000 people 4 = 30,001 to 50,000 people 5 = 15,001 to 30,000 people 6 = 3,001 to 15,000 people 7 = 1,001 to 3,000 people / Fewer than 1,000 people
Austria	SCQ-05A	X	Question not administered or data not available

Malta	SCQ-05A	D	National options recoded for international comparability: 1 = Option not administered or data not available 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = Option not administered or data not available 5 = 15,001 to 30,000 people 6 = 3,001 to 15,000 people 7 = 3,000 people or fewer
Montenegro	SCQ-05A	D	National options recoded for international comparability: 1 = Option not administered or data not available 2 = 100,001 to 500,000 inhabitants 3 = 50,001 to 100,000 inhabitants 4 = 30,001 to 50,000 inhabitants 5 = 15,001 to 30,000 inhabitants 6 = 3,001 to 15,000 inhabitants 7 = 3,000 inhabitants or less
Singapore	SCQ-05A	D	Gang punched to "More than 500,000 people"
Slovak Republic	SCQ-05A	D	National options recoded for international comparability: 1 = Option not administered or data not available 2 = More than 100,000 inhabitants 3 = From 50,001 to 100,000 inhabitants 4 = From 30,001 to 50,000 inhabitants 5 = From 15,001 to 30,000 inhabitants 6 = From 3,001 to 15,000 inhabitants 7 = 3,000 inhabitants or fewer

SCQ-05B

Question:

Which best describes the immediate area in which your school is located?

- 1 = Urban—Densely populated
- 2 = Suburban—On fringe or outskirts of urban area
- 3 = Medium size city or large town
- 4 = Small town or village
- 5 = Remote rural

Variable Name(s): ACBG05B

Country	Item ID	Code	Documentation
Kuwait	SCQ-05B	D	National options recoded for international comparability: 1 = Area with dense population 2 = Option not administered or data not available 3 = Area with medium size population 4 = Area with small size population 5 = Remote area
Malta	SCQ-05B	D	National options recoded for international comparability: 1 = Option not administered or data not available 2 = Option not administered or data not available 3 = Medium size city or large town 4 = Small town or village 5 = Remote rural
Singapore	SCQ-05B	D	Gang punched to "Urban–Densely populated"
Slovak Republic	SCQ-05B	D	National options recoded for international comparability: 1 = Urban–Densely populated 2 = Suburban–On fringe or outskirts of urban area 3 = Medium size town 4 = Small town / Village 5 = Option not administered or data not available

SCQ-06A

Question:

For the <fourth grade> students in your school:
How many days per year is your school open for instruction?

Variable Name(s): ACBG06A

Country	Item ID	Code	Documentation
Austria	SCQ-06A	D	Gang punched to "181"
Latvia	SCQ-06A	D	Gang punched to "175"
New Zealand	SCQ-06A	D	Stem of the question changed: For the Year 5 students in your school: How many days per year is your school open for instruction? (note: 386 half days = 193 instructional days)
Norway	SCQ-06A	D	Gang punched to "199"

Singapore	SCQ-06A	D	Gang punched to "185"
South Africa	SCQ-06A	D	Stem of the question changed: For the Grade 5 learners in your school: How many days per year is your school open for teaching and learning? (if ITLANG = 1) / For the Grade 5 learners in your school: How many days per year is your school open for teaching? (if ITLANG = 4)
Sweden	SCQ-06A	D	Stem of the question changed: For the students in grade 4 in your school: How many days per school year is teaching conducted?

SCQ-06C

Question:

In one calendar week, how many days is the school open for instruction?

- 1 = 6 days
- 2 = 5 1/2 days
- 3 = 5 days
- 4 = 4 1/2 days
- 5 = 4 days
- 6 = Other

Variable Name(s): ACBG06C

Country	Item ID	Code	Documentation
Austria	SCQ-06C	D	Gang punched to "5 days"
Czech Republic	SCQ-06C	D	Gang punched to "5 days"
Latvia	SCQ-06C	D	Gang punched to "5 days"
Netherlands	SCQ-06C	D	National options recoded for international comparability: 1 = Option not administered or data not available 2 = Option not administered or data not available 3 = 5 days 4 = 4 1/2 days 5 = 4 days 6 = Other
Norway	SCQ-06C	D	Gang punched to "5"
Singapore	SCQ-06C	D	Gang punched to "5 days"

South Africa	SCQ-06C	D	Stem of the question changed: In one calendar week, how many days is the school open for teaching and learning? (if ITLANG = 1) / In one calendar week, how many days is the school open for teaching? (if ITLANG = 4)
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SCQ-07

Question:

How many computers (including tablets) does your school have for use by <fourth grade> students?

Variable Name(s): ACBG07

Country	Item ID	Code	Documentation
New Zealand	SCQ-07	D	Question instruction added: Do not include Bring Your Own Device (BYOD) computers owned by students.

SCQ-08A

Question:

Does your school have a science laboratory that can be used by <fourth grade> students?

1 = Yes
2 = No

Variable Name(s): ACBG08A

Country	Item ID	Code	Documentation
Denmark	SCQ-08A	D	Stem of the question changed: Does your school have a laboratory or suitable classroom for science teaching that students in 4th grade can use?

SCQ-08B

Question:

Do teachers usually have assistance available when students are conducting science experiments?

1 = Yes
2 = No

Variable Name(s): ACBG08B

Country	Item ID	Code	Documentation
Singapore	SCQ-08B	D	Stem of the question changed: Do teachers usually have assistance (e.g., lab technicians, parent volunteers) available when students are conducting science experiments?

SCQ-09

Question:

Does your school use an online learning management system to support learning (e.g., teacher-student communication, management of grades, student access to course materials)?

1 = Yes
2 = No

Variable Name(s): ACBG09

Country	Item ID	Code	Documentation
Ireland	SCQ-09	D	Stem of the question changed: Does your school use an online learning management system to support learning (e.g., teacher-pupil communication, posting of grades, pupil access to course materials; e.g., Moodle, Aladdin)?
Netherlands	SCQ-09	D	Does your school use an online learning management system to support learning (e.g., teacher-student communication, management of grades (e.g., Parnassys), student access to course materials)?

Northern Ireland	SCQ-09	D	Does your school use an online learning management system to support learning (e.g., C2K, MY-SCHOOL, Fronter)?
Norway	SCQ-09	D	Does your school use online learning management systems (e.g., Fronter, itslearning, Canvas etc.)?
Poland	SCQ-09	D	Stem of the question changed: Does your school use an electronic register or similar system (e.g., enabling teacher-student communication, management of grades, sharing course materials)?
Singapore	SCQ-09	D	Stem of the question changed: Does your school use an online learning management system (e.g., SLS, LMS) to support learning (e.g., teacher-student communication, management of grades, student access to course materials)?
Slovak Republic	SCQ-09	D	Stem of the question changed: Does your school use an online education management system to support learning (e.g., teacher-student communication, communication between students, evidence of grades, student access to course materials)?
South Africa	SCQ-09	D	Stem of the question changed: Does your school use an online learning management system (e.g. Thutong) to support learning (e.g., educator-learner communication, management of grades, learner access to course materials)?

SCQ-10B

Question:

If Yes, Approximately how many books (print) with different titles does your school library have (exclude magazines and periodicals)?

1 = 2,000 books or fewer

2 = More than 2,000 books

Variable Name(s): ACGB10B

Country	Item ID	Code	Documentation
Czech Republic	SCQ-10B	D	National options recoded for international comparability: 1 = 500 or fewer / 500 - 2,000 2 = 2,001 - 5,000 / More than 5,000

Philippines	SCQ-10B	X	Option not administered or data not available
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SCQ-16A-B

Question:

To what degree is each of the following a problem among teachers in your school?

A: Arriving late or leaving early

B: Absenteeism

1 = Not a problem

2 = Minor problem

3 = Moderate problem

4 = Serious problem

Variable Name(s): ACBG16A, ACBG16B

Country	Item ID	Code	Documentation
New Zealand	SCQ-16A-B	X	Question not administered or data not available

SCQ-17A-L

Question:

About how many of the students in your school can do the following when they begin the <first grade> of primary/elementary school?

- A: Recognize most of the letters of the alphabet
- B: Read some words
- C: Read sentences
- D: Write letters of the alphabet
- E: Write their names
- F: Write words other than their names
- G: Count up to 100 or higher
- H: Recognize written numbers from 1-10
- I: Recognize written numbers higher than 10
- J: Write numbers from 1-10
- K: Do simple addition
- L: Do simple subtraction

1 = Less than 25%

2 = 25–50%

3 = 51–75%

4 = More than 75%

Variable Name(s): ACBG17A, ACBG17B, ACBG17C, ACBG17D, ACBG17E, ACBG17F, ACBG17G, ACBG17H, ACBG17I, ACBG17J, ACBG17K, ACBG17L

Country	Item ID	Code	Documentation
Georgia	SCQ-17A-L	D	Stem of the question changed: About how many of the students in your school can do the following by the time they begin school?
Ireland	SCQ-17A-L	D	Stem of the question changed: About how many of the pupils in your school can do the following at the beginning of First Class?
Japan	SCQ-17A-L	D	Stem of the question changed: About how many of the students in your school can do the following when entering primary or elementary school?
New Zealand	SCQ-17A-L	D	Stem of the question changed: About how many of the students in your school can do the following when they first begin primary school?
Northern Ireland	SCQ-17A-L	X	Question not administered or data not available

Serbia	SCQ-17A	D	Recognize most of the letters of the Cyrillic alphabet
Serbia	SCQ-17D	D	Write letters of the Cyrillic alphabet
South Africa	SCQ-17F	D	Write other words (if ITLANG = 4)

SCQ-20

Question:

What is the highest level of formal education you have completed?

- 1 = Did not complete <Bachelor's or equivalent level—ISCED Level 6>
 2 = <Bachelor's or equivalent level—ISCED Level 6>
 3 = <Master's or equivalent level—ISCED Level 7>
 4 = <Doctor or equivalent level—ISCED Level 8>

Variable Name(s): ACBG20

Country	Item ID	Code	Documentation
Albania	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's or equivalent level 2 = Bachelor's or equivalent level 3 = Master's or equivalent level 4 = Doctor or equivalent level
Armenia	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's 2 = Bachelor's 3 = Master's 4 = Academic degree
Australia	SCQ-20	D	National options recoded for international comparability: 1 = TAFE or college diploma 2 = Undergraduate or Bachelor's degree / Graduate or postgraduate diploma 3 = Master's degree 4 = PhD or Doctorate
Austria	SCQ-20	D	National options recoded for international comparability: 1 = Pedagogical academy 2 = Teacher's college / Studies at university or college, Baccalaureate degree 3 = Studies at university or college, diploma or Master's degree 4 = Studies at university, Doctoral degree

Azerbaijan	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's or equivalent level 2 = Bachelor's or equivalent level 3 = Master's or equivalent level 4 = Doctor or equivalent level
Bahrain	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's 2 = Bachelor's 3 = Master's 4 = PhD
Belgium (Flemish)	SCQ-20	D	National options recoded for international comparability: 1 = Did not complete professional or academic Bachelor (university college program of 1 cycle or Bachelor at university) 2 = Professional Bachelor or a diploma of higher education of 1 cycle (e.g., primary teacher, secondary teacher, A1 certificate, graduate program,...) / Academic Bachelor (at university) 3 = Master of licentiate (at university college with 2 cycles or university) 4 = Doctorate (PhD) (at university)
Bosnia and Herzegovina	SCQ-20	D	Nationally defined options: 1 = Did not complete any higher education studies 2 = First-degree vocational or academic studies 3 = Master's, specialist or magister studies 4 = PhD in science or arts
Bulgaria	SCQ-20	D	Nationally defined options: 1 = Higher education (Professional Bachelor) or lower 2 = Higher education (Bachelor) 3 = Higher education (Master) 4 = Higher education (Doc)
Canada	SCQ-20	D	Nationally defined options: 1 = Did not complete a Bachelor's degree 2 = Bachelor's degree 3 = Master's degree 4 = Doctoral degree
Chile	SCQ-20	D	National options recoded for international comparability: 1 = Did not complete higher education / Higher education in professional institute or center of vocational development 2 = Higher education in university (Bachelor's degree or professional degree) 3 = Master's degree 4 = Doctorate

Chinese Taipei	SCQ-20	D	National options recoded for international comparability: 1 = Did not finish the university program 2 = Two-year college of technology or four-year college of technology program / University program 3 = Master program 4 = PhD program
Croatia	SCQ-20	D	Nationally defined options: 1 = Non-university higher education: two or three years of higher school, one or two years study, or both 2 = Undergraduate university or undergraduate professional degree (Bachelor) 3 = Graduate university or graduate professional degree (Master) 4 = Postgraduate university education, Master of Science or Doctorate of Science
Cyprus	SCQ-20	D	Nationally defined options: 1 = Non-university diploma (e.g., Pedagogical Academy diploma) (if ITLANG = 44) / Did not complete Bachelor's (if ITLANG = 1) 2 = Bachelor's 3 = Master's 4 = Doctor
Czech Republic	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor level 2 = Bachelor level 3 = Master level 4 = Doctoral level
Denmark	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor level 2 = Bachelor level or equivalent 3 = Master level or equivalent 4 = Doctor, Ph.D. or equivalent
England	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's degree or equivalent level 2 = Bachelor's degree or equivalent 3 = Master's degree or equivalent 4 = Doctorate (PhD)
Finland	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's degree 2 = Bachelor's degree (in polytechnic or in university) 3 = Master's degree (in polytechnic or in university) 4 = Postgraduate degree (licentiate or Doctor)

France	SCQ-20	D	<p>Nationally defined options:</p> <p>1 = Did not obtain a license or equivalent</p> <p>2 = Bachelor's degree or equivalent</p> <p>3 = Master's degree or equivalent</p> <p>4 = PhD or equivalent</p>
Georgia	SCQ-20	D	<p>Nationally defined options:</p> <p>1 = Did not complete the first stage of higher education (Bachelor's)</p> <p>2 = First stage of higher education (Bachelor's)</p> <p>3 = Master's or equivalent 5-year education (before 2005)</p> <p>4 = Academic degree (e.g., candidate's, Doctor's)</p>

Germany

SCQ-20

D

Stem of the question changed:
Which educational degrees do you have? / Which professional degrees do you have?

National options recoded for international comparability:
1 = [A = Any of (Technical college certification/vocational school degree (teaching, apprenticeship)/vocational specialty school degree/degree from professional school, master- or technical school, or from a health occupation school // A-level/general secondary certification) and B = Any of (semi-skilled training/internship/occupation preparation year // Teacher training degree or traineeship for the intermediate service in the public administration // Professional qualifying degree of a vocational college/college or degree of an annual school of healthcare // Master-/technician- or equivalent college degree, degree of a biennial or triennial school of healthcare, degree of a specialist academy or a professional academy // Degree at a college of the GDR // Degree at administrative college // None of the mentioned degrees // Missing)] / [B = Any of (Semi-skilled training/internship/occupation preparation year // Teacher training degree or traineeship for the intermediate service in the public administration // Professional qualifying degree of a vocational college/college or degree of an annual school of healthcare // Master-/technician- or equivalent college degree, degree of a biennial or triennial school of healthcare, degree of a specialist academy or a professional academy // Degree at a college of the GDR // Degree at administrative college) and A = Any of (Technical college certification/vocational school degree (teaching, apprenticeship)/vocational specialty school degree/degree from professional school, master- or technical school, or from a health occupation school // A-level/general secondary certification // Missing)]
2 = [A = College degree (Bachelor's)/degree from a business academy/diploma/technical college degree and B = Any of (Semi-skilled training/internship/occupation preparation year // Teacher training degree or traineeship for the intermediate service in the public administration // Professional qualifying degree of a vocational college/college or degree of an annual school of healthcare // Master-/technician- or equivalent college degree, degree of a biennial or triennial school of healthcare, degree of a specialist academy or a professional academy...*continued on next page...*

(continued)... // Degree at a college of the GDR // Degree at administrative college // Bachelor's degree (at a university or technical college) // None of the mentioned degrees // Missing]] // [B = Bachelor's degree (at a university or technical college)) and A = Any of (Technical college certification/vocational school degree (teaching, apprenticeship)/vocational specialty school degree/degree from professional school, master- or technical school, or from a health occupation school // A-level/general secondary certification // College degree (Bachelor's)/degree from a business academy/diploma/technical college degree // Missing]]

3 = [A = College degree (Master's, magister, diploma, state examination) and B = Any of (Semi-skilled training/internship/occupation preparation year // Teacher training degree or traineeship for the intermediate service in the public administration // Professional qualifying degree of a vocational college/college or degree of an annual school of healthcare // Master-/technician- or equivalent college degree, degree of a biennial or triennial school of healthcare, degree of a specialist academy or a professional academy // Degree at a college of the GDR // Degree at administrative college // Bachelor's degree (at a university or technical college) // Master's degree (at a university or technical college) // Other degree at a technical college (engineering degree) // Other degree (e.g. diploma, Master's degree, first state examination etc.) at a university (scientific college, also art academy) // Second state examination // None of the mentioned degrees // Missing]] / [B = Any of (Master's degree (at a university or technical college) // Other degree at a technical college (engineering degree) // Other degree (e.g. diploma, Master's degree, first state examination etc.) at a university (scientific college, also art academy) // Second state examination) and A = Any of (Technical college certification/vocational school degree (teaching, apprenticeship)/vocational specialty school degree/degree from professional school, master- or technical school, or from a health occupation school // A-level/general secondary certification // College degree (Bachelor's)/degree from a business academy/diploma/technical college degree // College degree (Master's, magister, diploma, state examination) // Missing]]

continued on next page...

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4 = [A = Higher than a college degree (Master's, magister, diploma, state examination), e.g., Ph.D. and B = Any of (Semi-skilled training/internship/occupation preparation year // Teacher training degree or traineeship for the intermediate service in the public administration // Professional qualifying degree of a vocational college/college or degree of an annual school of healthcare // Master-/technician- or equivalent college degree, degree of a biennial or triennial school of healthcare, degree of a specialist academy or a professional academy // Degree at a college of the GDR // Degree at administrative college // Bachelor's degree (at a university or technical college) // Master's degree (at a university or technical college) // Other degree at a technical college (engineering degree) // Other degree (e.g. diploma, Master's degree, first state examination etc.) at a university (scientific college, also art academy) // Second state examination // Ph.D. // None of the mentioned degrees // Missing]] / [B = Ph.D. and A = Any of (Technical college certification/vocational school degree (teaching, apprenticeship/vocational specialty school degree/degree from professional school, master- or technical school, or from a health occupation school // A-level/general secondary certification // College degree (Bachelor's)/degree from a business academy/diploma/technical college degree // College degree (Master's, magister, diploma, state examination) // Higher than a college degree (Master's, magister, diploma, state examination), e.g., Ph.D. // Missing]]

Hong Kong SAR	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's degree 2 = Bachelor's degree 3 = Master's degree 4 = Doctoral degree
Hungary	SCQ-20	D	Nationally defined options: 1 = Lower than college or university BA level 2 = College or university BA level 3 = University or university MA level 4 = Higher than university or university MA level (e.g., PhD)
Iran, Islamic Rep. of	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's or equivalent level 2 = Bachelor's or equivalent level 3 = Master's or equivalent level 4 = Doctor or equivalent level

Ireland	SCQ-20	D	Nationally defined options: 1 = Did not complete university degree (e.g., Bachelor's) 2 = University degree (e.g., Bachelor's) 3 = Master's or equivalent 4 = Doctorate or equivalent
Italy	SCQ-20	D	Nationally defined options: 1 = Upper secondary education or short-cycle tertiary education 2 = Tertiary education II level certificate 3 = Master's or equivalent level 4 = Doctor or equivalent level
Japan	SCQ-20	D	Nationally defined options: 1 = Did not complete university or college 2 = University or college 3 = Master's programs of graduate school or professional graduate school 4 = Doctoral programs of graduate school
Kazakhstan	SCQ-20	D	Nationally defined options: 1 = Did not complete high level 2 = Bachelor's high level 3 = Master's 4 = Doctor
Korea, Rep. of	SCQ-20	D	Nationally defined options: 1 = Did not complete university 2 = University 3 = Graduate school for Master's degree 4 = Graduate school for Doctoral degree
Kosovo	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's or equivalent level 2 = Bachelor's or equivalent level 3 = Master's or equivalent level 4 = Doctor or equivalent level
Kuwait	SCQ-20	D	Nationally defined options: 1 = Did not complete the Bachelor's or equivalent level. 2 = Bachelor's or equivalent level 3 = Master's or equivalent level 4 = Doctor or equivalent level
Latvia	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's degree 2 = Bachelor's degree 3 = Master's degree 4 = Doctor degree

Lithuania	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's or vocational Bachelor studies 2 = Bachelor's or vocational Bachelor degree 3 = Master's or equivalent degree 4 = Doctor or equivalent degree
Malta	SCQ-20	D	Nationally defined options: 1 = Did not complete a Bachelor's degree or a Vocational Education and Training degree (VET) or equivalent level 2 = Bachelor's degree or Vocational Education and Training degree (VET) or equivalent level 3 = Master's or equivalent level 4 = Doctorate or equivalent level
Montenegro	SCQ-20	D	Nationally defined options: 1 = Did not complete any higher education studies 2 = Basic university studies 3 = Master's studies 4 = PhD studies
Morocco	SCQ-20	D	Nationally defined options: 1 = Did not complete certificate of license or equivalent 2 = Certificate of license or equivalent 3 = Certificate of Master or equivalent 4 = Doctorate degree or equivalent
Netherlands	SCQ-20	D	National options recoded for international comparability: 1 = Upper secondary education / Short cycle tertiary education or higher vocational education of 2-3 years 2 = Higher vocational education or Bachelor's 3 = Master's 4 = Doctorate degree
New Zealand	SCQ-20	D	Nationally defined options: 1 = College of Education diploma or other national or vocational diploma 2 = Bachelor's degree 3 = Bachelor's honors, post-graduate diploma, or Master's degree 4 = PhD
North Macedonia	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's studies 2 = Bachelor's studies 3 = Master's studies 4 = Doctor's studies

Northern Ireland	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's degree 2 = Bachelor's degree 3 = Master's degree or postgraduate certificate or diploma 4 = Doctorate
Norway	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's or equivalent level 2 = Bachelor's or equivalent level 3 = Master's or equivalent level 4 = Doctor or equivalent level
Oman	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's or equivalent level 2 = Bachelor's or equivalent level 3 = Master's or equivalent level 4 = Doctor or equivalent level
Pakistan	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's Hons or equivalent level 2 = Bachelor's Hons or equivalent level 3 = Master's or equivalent level 4 = Doctor or equivalent level
Philippines	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's or equivalent level—ISCED Level 6 2 = Bachelor's or equivalent level—ISCED Level 6 3 = Master's or equivalent level—ISCED Level 7 4 = Doctorate or equivalent level—ISCED Level 8
Poland	SCQ-20	D	Nationally defined options: 1 = Did not complete Higher Bachelor's or Engineer's 2 = Higher Bachelor's or Engineer's 3 = Higher Master's or Physician's 4 = Doctorate
Portugal	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's 2 = Bachelor's 3 = Master's 4 = Doctor
Qatar	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's degree or equivalent level 2 = Bachelor's degree or equivalent level 3 = Master's degree or equivalent level 4 = PhD or equivalent level

Russian Federation	SCQ-20	D	Nationally defined options: 1 = Did not complete higher education or initial vocational education 2 = Higher education: Bachelor or equivalent (three years or more) 3 = Higher education: Master or equivalent (five years or more), second university degree 4 = Candidate or Doctor degree or equivalent level
Saudi Arabia	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's or equivalent level 2 = Bachelor's or equivalent level 3 = Master's or equivalent level 4 = Doctor or equivalent level
Serbia	SCQ-20	D	Nationally defined options: 1 = Did not complete any higher education studies 2 = First-degree Bachelor's studies 3 = Master's, specialist or magister studies 4 = PhD in science or arts
Singapore	SCQ-20	D	Nationally defined options: 1 = Did not complete university Bachelor's degree 2 = University Bachelor's degree 3 = Master's degree 4 = Doctoral (e.g., PhD) degree
Slovak Republic	SCQ-20	D	Nationally defined options: 1 = Not completed Bachelor's level 2 = Bachelor's level (title Bc.) 3 = Master's level (title Mgr., Ing., RNDr ...) 4 = Doctor level (title PhD., CSc ...)
South Africa	SCQ-20	D	National options recoded for international comparability: 1 = Did not complete a Bachelor's degree 2 = Bachelor's degree / Honor's degree 3 = Master's degree 4 = Doctoral degree
Spain	SCQ-20	D	Nationally defined options: 1 = Did not complete a university degree (diplomatura or grado universitario) 2 = University degree (diplomatura or grado universitario) 3 = University Master (or licenciatura) 4 = PhD

Sweden	SCQ-20	D	Nationally defined options: 1 = Did not complete university or university college degree (e.g., Bachelor's degree) 2 = University or university college degree (e.g., Bachelor's degree) 3 = University or university college degree (e.g., Master's degree) 4 = Postgraduate education (e.g., licentiate or PhD degree)
Turkey	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's level 2 = Bachelor's level 3 = Master's level 4 = Doctor level
United Arab Emirates	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's degree 2 = Bachelor's degree 3 = Master's degree (e.g., Master of Arts degree or M.Sc.) 4 = Doctoral degree (e.g., Ph.D. or Ed.D.)
United States	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's degree (4-year college program) 2 = Bachelor's degree (4-year college program) 3 = Master's degree or professional degree (MD, DDS, lawyer, minister) 4 = Doctorate (Ph.D., Ed.D.)
Benchmarking Participants			
Ontario, Canada	SCQ-20	D	Nationally defined options: 1 = Did not complete a Bachelor's degree 2 = Bachelor's degree 3 = Master's degree 4 = Doctoral degree
Quebec, Canada	SCQ-20	D	Nationally defined options: 1 = Did not complete a Bachelor's degree 2 = Bachelor's degree 3 = Master's degree 4 = Doctoral degree

Moscow City, Russian Fed.	SCQ-20	D	Nationally defined options: 1 = Did not complete higher education or initial vocational education 2 = Higher education: Bachelor or equivalent (three years or more) 3 = Higher education: Master or equivalent (five years or more), second university degree 4 = Candidate or Doctor degree or equivalent level
Madrid, Spain	SCQ-20	D	Nationally defined options: 1 = Did not complete a university degree (diplomatura or grado universitario) 2 = University degree (diplomatura or grado universitario) 3 = University Master (or licenciatura) 4 = PhD
Abu Dhabi, UAE	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's degree 2 = Bachelor's degree 3 = Master's degree (e.g., Master of Arts degree, M.Sc.) 4 = Doctoral degree (e.g., Ph.D. or Ed.D.)
Dubai, UAE	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's degree 2 = Bachelor's degree 3 = Master's degree (e.g., Master of Arts degree, M.Sc.) 4 = Doctoral degree (e.g., Ph.D. or Ed.D.)

SCQ-21A-C

Question:

Do you hold the following qualifications or credentials in educational leadership?

A: <Certificate or license>

B: <Master's or equivalent level—ISCED Level 7>

C: <Doctor or equivalent level—ISCED Level 8>

1 = Yes

2 = No

Variable Name(s): ACBG21A, ACBG21B, ACBG21C

Country	Item ID	Code	Documentation
Albania	SCQ-21A	D	Certificate or license

Albania	SCQ-21B	D	Master's or equivalent level
Albania	SCQ-21C	D	Doctor or equivalent level
Armenia	SCQ-21A	D	Certificate or license
Armenia	SCQ-21B	D	Master's in education management
Armenia	SCQ-21C	D	Academic degree in education management
Australia	SCQ-21A	X	Option not administered or data not available
Australia	SCQ-21B	D	Master's degree
Australia	SCQ-21C	D	PhD or Doctorate
Austria	SCQ-21A	D	Certificate (e.g., from the Leadership Academy of the ministry) / Course regarding school management at the teachers' college
Austria	SCQ-21B	D	Master or equivalent
Austria	SCQ-21C	D	Doctor or equivalent
Azerbaijan	SCQ-21A	D	Certificate or license
Azerbaijan	SCQ-21B	D	Master's or equivalent level
Azerbaijan	SCQ-21C	D	Doctor or equivalent level
Bahrain	SCQ-21A	D	Certificate or license
Bahrain	SCQ-21B	D	Master's
Bahrain	SCQ-21C	D	PhD
Belgium (Flemish)	SCQ-21A	D	Program or course in leading a school or a training program for principals
Belgium (Flemish)	SCQ-21B	D	Master's degree or licentiate
Belgium (Flemish)	SCQ-21C	D	Doctoral degree (PhD)
Bosnia and Herzegovina	SCQ-21A	D	Certificate or license
Bosnia and Herzegovina	SCQ-21B	D	Master's, specialist or magister studies
Bosnia and Herzegovina	SCQ-21C	D	PhD in science or arts

Bulgaria	SCQ-21A	D	Certificate or license
Bulgaria	SCQ-21B	D	Master degree
Bulgaria	SCQ-21C	D	Doctor degree
Canada	SCQ-21A	D	Certificate or license
Canada	SCQ-21B	D	Master's degree
Canada	SCQ-21C	D	Doctoral degree
Chile	SCQ-21A	D	Diploma
Chile	SCQ-21B	D	Master's degree
Chile	SCQ-21C	D	PhD
Chinese Taipei	SCQ-21A	D	Certificate or license
Chinese Taipei	SCQ-21B	D	Master's degree
Chinese Taipei	SCQ-21C	D	Doctoral degree
Croatia	SCQ-21A	D	Certificate or license
Croatia	SCQ-21B	D	Graduate university or graduate professional degree (Master)
Croatia	SCQ-21C	D	Postgraduate university education, Master of Science or Doctorate of Science
Cyprus	SCQ-21A	D	Certificate
Cyprus	SCQ-21B	D	Master's
Cyprus	SCQ-21C	D	Doctor
Czech Republic	SCQ-21A	D	Certificate
Czech Republic	SCQ-21B	D	Master level
Czech Republic	SCQ-21C	D	Doctoral level
Denmark	SCQ-21A	D	Basic education in school management (COK) / Public management training / Diploma in management / Single modules of a diploma / The School Leader's Union's course for new school leaders / Internal municipal management training

Denmark	SCQ-21B	D	Master level education / Master's education in pedagogy
Denmark	SCQ-21C	D	Doctor, Ph.D. or equivalent
England	SCQ-21A	D	NPQH (National Professional Qualification for Headship)
England	SCQ-21B	D	Master's degree or equivalent level
England	SCQ-21C	D	Doctorate (PhD)
Finland	SCQ-21A	D	Degree of education administration (25 credits in university) or equivalent
Finland	SCQ-21B	D	Master's degree (in university of applied sciences or in university)
Finland	SCQ-21C	D	Postgraduate degree (licentiate or Doctor)
France	SCQ-21A	D	Certificate or license
France	SCQ-21B	D	Master's degree or equivalent
France	SCQ-21C	D	PhD or equivalent
Georgia	SCQ-21A	D	Diploma or certificate
Georgia	SCQ-21B	D	Master's degree or equivalent
Georgia	SCQ-21C	D	Doctor's degree or equivalent
Germany	SCQ-21A-C	D	Stem of the question changed: Do you hold a degree or certificate or licensed qualification in school leadership or management?
Germany	SCQ-21A	D	Certificate or license
Germany	SCQ-21B	D	College degree (Master's, magister, diploma, state examination)
Germany	SCQ-21C	D	Higher than a college degree (Master's, magister, diploma, state examination), e.g., Ph.D.
Hong Kong SAR	SCQ-21A	D	Certificate or license
Hong Kong SAR	SCQ-21B	D	Master's degree
Hong Kong SAR	SCQ-21C	D	Doctoral degree
Hungary	SCQ-21B-C	X	Option not administered or data not available

Hungary	SCQ-21A	D	Public education leader and pedagogical professional examination
Iran, Islamic Rep. of	SCQ-21A	D	Bachelor's or equivalent level or lower
Iran, Islamic Rep. of	SCQ-21B	D	Master's or equivalent level
Iran, Islamic Rep. of	SCQ-21C	D	Doctor or equivalent level
Ireland	SCQ-21A	D	Postgraduate diploma or equivalent
Ireland	SCQ-21B	D	Master's or equivalent
Ireland	SCQ-21C	D	Doctorate or equivalent
Italy	SCQ-21A-C	D	Stem of the question changed: Do you hold a Master's or equivalent level qualification for school principals?
Italy	SCQ-21A	X	Option not administered or data not available
Italy	SCQ-21B	D	Master's or equivalent level
Italy	SCQ-21C	X	Option not administered or data not available
Japan	SCQ-21A-C	D	Stem of the question changed: Do you hold the following certificate or degree in educational leadership?
Japan	SCQ-21A	D	Certification of professional program or training
Japan	SCQ-21B	D	Master's degree or professional degree
Japan	SCQ-21C	D	Doctor's degree
Kazakhstan	SCQ-21A	D	Certificate or license
Kazakhstan	SCQ-21B	D	Master's level
Kazakhstan	SCQ-21C	D	Doctor level
Korea, Rep. of	SCQ-21A	D	Principal's certificate
Korea, Rep. of	SCQ-21B	D	Master's degree
Korea, Rep. of	SCQ-21C	D	Doctoral degree
Kosovo	SCQ-21A	D	Certificate or license

Kosovo	SCQ-21B	D	Master's or equivalent level
Kosovo	SCQ-21C	D	Doctor or equivalent level
Kuwait	SCQ-21A	D	Certificate or license
Kuwait	SCQ-21B	D	Master's or equivalent level
Kuwait	SCQ-21C	D	Doctor or equivalent level
Latvia	SCQ-21A	D	Certificate or license
Latvia	SCQ-21B	D	Master's degree
Latvia	SCQ-21C	D	Doctor's degree
Lithuania	SCQ-21A	D	Certificate or license
Lithuania	SCQ-21B	D	Master's or equivalent degree
Lithuania	SCQ-21C	D	Doctor or equivalent degree
Malta	SCQ-21A	D	Diploma or equivalent level
Malta	SCQ-21B	D	Master's or equivalent level
Malta	SCQ-21C	D	Doctorate or equivalent level
Montenegro	SCQ-21A	D	Certificate or license
Montenegro	SCQ-21B	D	Master's degree
Montenegro	SCQ-21C	D	PhD degree
Morocco	SCQ-21A	D	Certificate or vocational diploma
Morocco	SCQ-21B	D	Master's certificate or equivalent
Morocco	SCQ-21C	D	Doctor or equivalent
Netherlands	SCQ-21A-C	D	Stem of the question changed: Do you hold a diploma or certificate in educational leadership?
Netherlands	SCQ-21B-C	X	Option not administered or data not available
New Zealand	SCQ-21A-C	X	Question not administered or data not available
North Macedonia	SCQ-21A	D	Certificate or license

North Macedonia	SCQ-21B	D	Master's studies
North Macedonia	SCQ-21C	D	Doctor's studies
Northern Ireland	SCQ-21A	D	PQH(NI)
Northern Ireland	SCQ-21B	D	Master's degree or postgraduate certificate or diploma
Northern Ireland	SCQ-21C	D	Doctorate
Norway	SCQ-21A	D	Certificate
Norway	SCQ-21B	D	Master's
Norway	SCQ-21C	D	Doctor
Oman	SCQ-21A	D	Certificate or license
Oman	SCQ-21B	D	Master's or equivalent level
Oman	SCQ-21C	D	Doctor or equivalent level
Pakistan	SCQ-21A	D	Certificate
Pakistan	SCQ-21B	D	Master's or equivalent level
Pakistan	SCQ-21C	D	Doctor or equivalent level
Philippines	SCQ-21A	D	Certificate or license
Philippines	SCQ-21B	D	Master's or equivalent level—ISCED Level 7
Philippines	SCQ-21C	D	Doctorate or equivalent level—ISCED Level 8
Poland	SCQ-21A	D	Certificate or license
Poland	SCQ-21B	D	Higher degree or postgraduate degree studies in education management / Master's or equivalent level
Poland	SCQ-21C	D	Doctor or equivalent level
Portugal	SCQ-21A	X	Option not administered or data not available
Portugal	SCQ-21B	D	Master's
Portugal	SCQ-21C	D	Doctor
Qatar	SCQ-21A	D	Certificate or license

Qatar	SCQ-21B	D	Master's degree or equivalent level
Qatar	SCQ-21C	D	PhD or equivalent level
Russian Federation	SCQ-21A	D	Certificate or diploma
Russian Federation	SCQ-21B	D	Master's or equivalent level
Russian Federation	SCQ-21C	D	Candidate or Doctor or equivalent level
Saudi Arabia	SCQ-21A	D	Higher diploma
Saudi Arabia	SCQ-21B	D	Master's or equivalent level
Saudi Arabia	SCQ-21C	D	Doctor or equivalent level
Serbia	SCQ-21A	D	License
Serbia	SCQ-21B	D	Master's, specialist, or magister degree
Serbia	SCQ-21C	D	PhD degree
Singapore	SCQ-21A	D	Certificate (e.g., MLS; LEP) or license
Singapore	SCQ-21B	D	Master's degree
Singapore	SCQ-21C	D	Doctoral (e.g., PhD) degree
Slovak Republic	SCQ-21A-C	D	Stem of the question changed: Do you hold the following qualifications in school leadership or school management?
Slovak Republic	SCQ-21A	D	Additional or functional education (certificate)
Slovak Republic	SCQ-21B	D	Master's level (title Mgr., Ing., RNDr....)
Slovak Republic	SCQ-21C	D	Doctor level (title PhD., CSc...)
South Africa	SCQ-21A	D	Advanced Certificate in Education (A.C.E)
South Africa	SCQ-21B	D	Master's degree
South Africa	SCQ-21C	D	Doctoral degree
Spain	SCQ-21A	D	Certificate or license
Spain	SCQ-21B	D	Master's degree
Spain	SCQ-21C	D	PhD

Sweden	SCQ-21A	D	Certificate from a course
Sweden	SCQ-21B	D	University or university college degree (e.g., Master's degree)
Sweden	SCQ-21C	D	Postgraduate education (e.g., licentiate or PhD degree)
Turkey	SCQ-21A	D	Certificate or achievement certificate
Turkey	SCQ-21B	D	Master's level
Turkey	SCQ-21C	D	Doctor level
United Arab Emirates	SCQ-21A	D	Certificate or license
United Arab Emirates	SCQ-21B	D	Master's Degree (e.g., Master of Arts degree or M.Sc.)
United Arab Emirates	SCQ-21C	D	Doctoral degree (e.g., Ph.D. or Ed.D.)
United States	SCQ-21A	D	Principal Certification
United States	SCQ-21B	D	Master's degree or professional degree (MD, DDS, lawyer, minister)
United States	SCQ-21C	D	Doctorate (Ph.D., Ed.D.)

Benchmarking Participants

Ontario, Canada	SCQ-21A	D	Certificate or license
Ontario, Canada	SCQ-21B	D	Master's degree
Ontario, Canada	SCQ-21C	D	Doctoral degree
Quebec, Canada	SCQ-21A	D	Certificate or license
Quebec, Canada	SCQ-21B	D	Master's degree
Quebec, Canada	SCQ-21C	D	Doctoral degree
Moscow City, Russian Fed.	SCQ-21A	D	Certificate or diploma
Moscow City, Russian Fed.	SCQ-21B	D	Master's or equivalent level
Moscow City, Russian Fed.	SCQ-21C	D	Candidate or Doctor or equivalent level
Madrid, Spain	SCQ-21A	D	Certificate or license
Madrid, Spain	SCQ-21B	D	Master's degree

Madrid, Spain	SCQ-21C	D	PhD
Abu Dhabi, UAE	SCQ-21A	D	Certificate or license
Abu Dhabi, UAE	SCQ-21B	D	Master's degree (e.g., Master of Arts degree, M.Sc.)
Abu Dhabi, UAE	SCQ-21C	D	Doctoral degree (e.g., Ph.D. or Ed.D.)
Dubai, UAE	SCQ-21A	D	Certificate or license
Dubai, UAE	SCQ-21B	D	Master's degree (e.g., Master of Arts degree, M.Sc.)
Dubai, UAE	SCQ-21C	D	Doctoral degree (e.g., Ph.D. or Ed.D.)



SECTION 2.1: **STUDENT QUESTIONNAIRE—** **GENERAL/INTEGRATED** **SCIENCE VERSION** **GRADE 8**

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International Study Center
Lynch School of Education
BOSTON COLLEGE

SQG-02A-B

Question:

When were you born?

A: Month

1 = January

2 = February

3 = March

4 = April

5 = May

6 = June

7 = July

8 = August

9 = September

10 = October

11 = November

12 = December

B: Year

1 = 2001

2 = 2002

3 = 2003

4 = 2004

5 = 2005

6 = 2006

7 = 2007

8 = 2008

9 = 2009

10 = Other

Variable Name(s): BSBG02B

Country	Item ID	Code	Documentation
Chinese Taipei	SQG-02B	D	Nationally defined options: 1 = The 90th year of the Republic Era (2001) 2 = The 91st year of the Republic Era (2002) 3 = The 92nd year of the Republic Era (2003) 4 = The 93rd year of the Republic Era (2004) 5 = The 94th year of the Republic Era (2005) 6 = The 95th year of the Republic Era (2006) 7 = The 96th year of the Republic Era (2007) 8 = The 97th year of the Republic Era (2008) 9 = The 98th year of the Republic Era (2009) 10 = Other
South Africa	SQG-02B	D	National options recoded for international comparability: 1 = 2001 2 = 2002 3 = 2003 4 = 2004 5 = 2005 6 = 2006 7 = 2007 8 = 2008 9 = 2009 10 = Other / 2000

Benchmarking Participants

Gauteng, RSA	SQG-02B	D	National options recoded for international comparability: 1 = 2001 2 = 2002 3 = 2003 4 = 2004 5 = 2005 6 = 2006 7 = 2007 8 = 2008 9 = 2009 10 = Other / 2000
Western Cape, RSA	SQG-02B	D	National options recoded for international comparability: 1 = 2001 2 = 2002 3 = 2003 4 = 2004 5 = 2005 6 = 2006 7 = 2007 8 = 2008 9 = 2009 10 = Other / 2000

SQG-03

Question:

How often do you speak <language of test> at home?

- 1 = Always
- 2 = Almost always
- 3 = Sometimes
- 4 = Never

Variable Name(s): BSBG03

Country	Item ID	Code	Documentation
Bahrain	SQG-03	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Hong Kong SAR	SQG-03	D	English (if ITLANG = 1) / Chinese (including Cantonese, Putonghua, and other Chinese dialects) (if ITLANG = 10)

Ireland	SQG-03	D	Stem of the question changed: How often do you speak either English or Irish at home?
Israel	SQG-03	D	Hebrew (if ITLANG = 16) / Arabic (if ITLANG = 53)
Kuwait	SQG-03	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Malaysia	SQG-03	D	Malay or English language
Oman	SQG-03	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Qatar	SQG-03	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Saudi Arabia	SQG-03	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
South Africa	SQG-03	D	English (if ITLANG = 1) / Afrikaans (if ITLANG = 4)
United Arab Emirates	SQG-03	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)

Benchmarking Participants

Ontario, Canada	SQG-03	D	English (if ITLANG = 1) / French (if ITLANG = 3)
Quebec, Canada	SQG-03	D	English (if ITLANG = 1) / French (if ITLANG = 3)
Gauteng, RSA	SQG-03	D	English (if ITLANG = 1) / Afrikaans (if ITLANG = 4)
Western Cape, RSA	SQG-03	D	English (if ITLANG = 1) / Afrikaans (if ITLANG = 4)
Abu Dhabi, UAE	SQG-03	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Dubai, UAE	SQG-03	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)

SQG-05A-I

Question:

Do you have any of these things at your home?

- A: A computer or tablet
- B: Study desk/table for your use
- C: Your own room
- D: Internet connection
- E: Your own mobile phone
- F: <country-specific indicator of wealth>
- G: <country-specific indicator of wealth>
- H: <country-specific indicator of wealth>
- I: <country-specific indicator of wealth>

1 = Yes

2 = No

Variable Name(s): BSBG05A, BSBG05B, BSBG05C, BSBG05D, BSBG05E, BSBG05F, BSBG05G, BSBG05H, BSBG05I

Country	Item ID	Code	Documentation
Australia	SQG-05F-I	X	Option not administered or data not available
Bahrain	SQG-05F	D	Gaming system (e.g., PlayStation®, Wii®, Xbox®)
Bahrain	SQG-05G	D	Swimming pool
Bahrain	SQG-05H	D	Gym
Bahrain	SQG-05I	D	Pets
Chile	SQG-05F	D	Domestic help (babysitter or housekeeper, gardener, butler)
Chile	SQG-05G	D	Shower with hot water
Chile	SQG-05H	D	Dishwasher
Chile	SQG-05I	D	More than one bathroom in your house
Chinese Taipei	SQG-05F	D	At least two bedrooms are equipped with bathrooms
Chinese Taipei	SQG-05G	D	My parents have their own car for private use (not for business or for public affairs).

Chinese Taipei	SQG-05H	D	Piano or violin
Chinese Taipei	SQG-05I	D	Digital camera or video camera
Egypt	SQG-05F	D	One or more cars
Egypt	SQG-05G	D	One or more air conditioners
Egypt	SQG-05H	D	One or more satellite receivers
Egypt	SQG-05I	D	Private garden
England	SQG-05F	D	Your own television
England	SQG-05G	D	Bicycle
England	SQG-05H	D	Musical instrument (e.g., guitar, piano)
England	SQG-05I	X	Option not administered or data not available
Hong Kong SAR	SQG-05F	D	Car
Hong Kong SAR	SQG-05G	D	Air conditioner
Hong Kong SAR	SQG-05H	D	Domestic helper
Hong Kong SAR	SQG-05I	D	Room for domestic helper
Iran, Islamic Rep. of	SQG-05F	D	Gaming system (e.g., PlayStation, Xbox®)
Iran, Islamic Rep. of	SQG-05G	D	Foreign car
Iran, Islamic Rep. of	SQG-05H	D	Dishwasher
Iran, Islamic Rep. of	SQG-05I	D	Your own music instrument
Ireland	SQG-05F	D	Gaming system (e.g., PlayStation®, Wii®, Xbox®)
Ireland	SQG-05G	D	Premium ("pay extra") TV channels, such as eirSport, Sky Cinema
Ireland	SQG-05H	D	Two or more cars
Ireland	SQG-05I	D	TV in your bedroom
Israel	SQG-05F-I	X	Option not administered or data not available
Israel	SQG-05C	X	Option not administered or data not available

Italy	SQG-05F	D	Alarm system
Italy	SQG-05G	D	Clothes dryer
Italy	SQG-05H	D	Whirlpool bath
Italy	SQG-05I	D	Air conditioning system
Japan	SQG-05F	D	Calculator
Japan	SQG-05G	D	Book or puzzle related to mathematics (except textbook, dictionary, or workbook)
Japan	SQG-05H	D	Astronomical telescope
Japan	SQG-05I	D	Pictorial book of plants
Jordan	SQG-05F	D	Video or computer games (e.g., Xbox, PlayStation)
Jordan	SQG-05G	D	Electric dishwasher
Jordan	SQG-05H	D	Automatic washing machine
Jordan	SQG-05I	D	Central heating
Korea, Rep. of	SQG-05F-I	X	Option not administered or data not available
Kuwait	SQG-05G-I	X	Option not administered or data not available
Kuwait	SQG-05A	D	A computer or your own tablet (e.g., iPad)
Kuwait	SQG-05F	D	Video games (e.g., Xbox, PlayStation, Wii, and other)
Malaysia	SQG-05G-I	X	Option not administered or data not available
Malaysia	SQG-05F	D	Digital game system (e.g., PlayStation, Wii, Xbox)
New Zealand	SQG-05F	D	Gaming system (e.g., PlayStation®, Wii®, Xbox®)
New Zealand	SQG-05G	D	Musical instruments (e.g., piano, violin, guitar)
New Zealand	SQG-05H	D	Clothes dryer
New Zealand	SQG-05I	D	Dishwasher
Norway	SQG-05H-I	X	Option not administered or data not available
Norway	SQG-05F	D	Burglar alarm

Norway	SQG-05G	D	Garage
Oman	SQG-05F	D	Gaming system (e.g., PlayStation®, Wii®, Xbox®)
Oman	SQG-05G	D	Smart TV such as LED
Oman	SQG-05H	D	Musical instruments
Oman	SQG-05I	D	Learning games
Qatar	SQG-05F	D	MP3 or MP4 player
Qatar	SQG-05G	D	Television in your room
Qatar	SQG-05H	D	Private house maid
Qatar	SQG-05I	D	Private car driver
Saudi Arabia	SQG-05G-I	X	Option not administered or data not available
Saudi Arabia	SQG-05F	D	Video game console (e.g., PlayStation, Xbox, or Wii)
Singapore	SQG-05F	D	Car
Singapore	SQG-05G	D	Domestic help (e.g., maid)
Singapore	SQG-05H	D	Air-conditioner
Singapore	SQG-05I	D	Your own digital media player (e.g., MP3 or DVD player, iPod)
South Africa	SQG-05F	D	Dictionary
South Africa	SQG-05G	D	Electricity
South Africa	SQG-05H	D	Running tap water
South Africa	SQG-05I	D	Hot running water from a geyser
Turkey	SQG-05F	D	Central heating
Turkey	SQG-05G	D	Air conditioning
Turkey	SQG-05H	D	Washing machine
Turkey	SQG-05I	D	Dishwasher
United Arab Emirates	SQG-05F	D	Gaming system (e.g., PlayStation®, Wii®, Xbox®)
United Arab Emirates	SQG-05G	D	Smartphone

United Arab Emirates	SQG-05H	D	Luxury watch (e.g., Rolex, Chopard, or Cartier)
United Arab Emirates	SQG-05I	D	Luxury car (e.g., Bentley, Rolls-Royce, or Maserati)
United States	SQG-05H-I	X	Option not administered or data not available
United States	SQG-05F	D	Gaming system (e.g., PlayStation, Wii, Xbox)
United States	SQG-05G	D	VCR, DVD, or Blu-ray player

Benchmarking Participants

Ontario, Canada	SQG-05F	D	Gaming system (e.g., PlayStation®, Wii®, Xbox®)
Ontario, Canada	SQG-05G	D	iPod® or MP3 player
Ontario, Canada	SQG-05H	D	DVD or Blu-ray
Ontario, Canada	SQG-05I	D	Works of art (e.g., paintings)
Quebec, Canada	SQG-05F	D	Gaming system (e.g., PlayStation®, Wii®, Xbox®)
Quebec, Canada	SQG-05G	D	iPod® or MP3 player
Quebec, Canada	SQG-05H	D	DVD or Blu-ray
Quebec, Canada	SQG-05I	D	Works of art (e.g., paintings)
Gauteng, RSA	SQG-05F	D	Dictionary
Gauteng, RSA	SQG-05G	D	Electricity
Gauteng, RSA	SQG-05H	D	Running tap water
Gauteng, RSA	SQG-05I	D	Hot running water from a geyser
Western Cape, RSA	SQG-05F	D	Dictionary
Western Cape, RSA	SQG-05G	D	Electricity
Western Cape, RSA	SQG-05H	D	Running tap water
Western Cape, RSA	SQG-05I	D	Hot running water from a geyser
Abu Dhabi, UAE	SQG-05F	D	Gaming system (e.g., PlayStation®, Wii®, Xbox®)
Abu Dhabi, UAE	SQG-05G	D	Smartphone
Abu Dhabi, UAE	SQG-05H	D	Luxury watch (e.g., Rolex, Chopard, or Cartier)

Abu Dhabi, UAE	SQG-05I	D	Luxury car (e.g., Bentley, Rolls-Royce, or Maserati)
Dubai, UAE	SQG-05F	D	Gaming system (e.g., PlayStation®, Wii®, Xbox®)
Dubai, UAE	SQG-05G	D	Smartphone
Dubai, UAE	SQG-05H	D	Luxury watch (e.g., Rolex, Chopard, or Cartier)
Dubai, UAE	SQG-05I	D	Luxury car (e.g., Bentley, Rolls-Royce, or Maserati)

SQG-06A-B

Question:

The following questions are about your <Parent/Guardian A> and <Parent/Guardian B>. <If you have only one parent/guardian, answer for Parent/Guardian A. If you have two parents/guardians, choose one for Parent/Guardian A and the other for Parent/Guardian B.>

What is the highest level of education completed by your <parents/guardians>?

A: <Parent/Guardian A>

B: <Parent/Guardian B>

1 = Some <Primary education—ISCED Level 1 or Lower secondary education—ISCED Level 2> or did not go to school

2 = <Lower secondary education—ISCED Level 2>

3 = <Upper secondary education—ISCED Level 3>

4 = <Post-secondary, non-tertiary education—ISCED Level 4>

5 = <Short-cycle tertiary education—ISCED Level 5>

6 = <Bachelor's or equivalent level—ISCED Level 6>

7 = <Postgraduate degree: Master's—ISCED Level 7 or Doctor—ISCED Level 8>

8 = I don't know

9 = Not applicable

Variable Name(s):

BSBG06A, BSBG06B

Country	Item ID	Code	Documentation
Australia	SQG-06A-B	D	<p>National categories recoded for international comparability:</p> <p>1 = Some primary school or did not go to school</p> <p>2 = Primary school</p> <p>3 = Secondary school</p> <p>4 = TAFE training certificate, apprenticeship or traineeship</p> <p>5 = TAFE or college diploma (e.g., Diploma of Information Technology)</p> <p>6 = Undergraduate degree (e.g., Bachelor of Arts) / Graduate or postgraduate diploma (e.g., Postgraduate Diploma of Education)</p> <p>7 = Master's degree, PhD or Doctorate</p> <p>8 = I don't know</p> <p>9 = Not applicable</p>
Bahrain	SQG-06A-B	D	<p>National categories recoded for international comparability:</p> <p>1 = Some primary or intermediate education or did not go to school</p> <p>2 = Intermediate education</p> <p>3 = Secondary education</p> <p>4 = Diploma</p> <p>5 = Option not administered or data not available</p> <p>6 = Bachelor's</p> <p>7 = Master's or PhD</p> <p>8 = I don't know</p> <p>9 = Not applicable</p>
Chile	SQG-06A-B	D	<p>National categories recoded for international comparability:</p> <p>1 = Did not go to school or did not finish primary</p> <p>2 = Lower secondary (8th grade)</p> <p>3 = Secondary education</p> <p>4 = Option not administered or data not available</p> <p>5 = Post secondary education in professional institute or center for vocational development</p> <p>6 = Post secondary education in a university</p> <p>7 = Postgraduate studies</p> <p>8 = Don't know</p> <p>9 = Not applicable</p>

Chinese Taipei	SQG-06A-B	D	National categories recoded for international comparability: 1 = Did not finish elementary school or did not go to school / Elementary school program 2 = Junior high school program 3 = Senior high school or vocational school program 4 = Junior college or two-year college program 5 = Category not administered or data not available 6 = Two-year college of technology or four-year college of technology program / University program 7 = Master's program / PhD program 8 = I don't know 9 = Not applicable
Chinese Taipei	SQG-06A	D	Father (stepfather or male guardian)
Chinese Taipei	SQG-06B	D	Mother (stepmother or female guardian)
Egypt	SQG-06A-B	D	Nationally defined categories: 1 = Part of primary education - preparatory or don't go to school 2 = Preparatory education 3 = Secondary education 4 = Technical secondary education 5 = Intermediate institutes 6 = Bachelor's degree or equivalent 7 = Master's degree or Doctor 8 = I don't know 9 = Not applicable
Egypt	SQG-06A	D	Your mother or stepmother or guardian
Egypt	SQG-06B	D	Your father or stepfather or guardian
England	SQG-06A-B	D	Nationally defined categories: 1 = Some primary education or secondary education up to the age of 14, or did not go to school 2 = Lower secondary school up to the age of 14 3 = GCSE, AS, A level or equivalent qualifications, e.g., NVQ at Level 3 or GNVQ 4 = Higher Education Access Course 5 = Higher Education qualification below degree level e.g., NVQ level 4 or 5, Diploma, nursing qualification or Higher Level in HNC, HND or BTEC 6 = University degree (e.g., BA, BSc, BEd) 7 = Master's degree, Doctorate or higher degree (e.g., MPhil, PhD) 8 = I don't know 9 = Not applicable

England	SQG-06A	D	Mother (or stepmother or female guardian)
England	SQG-06B	D	Father (or stepfather or male guardian)
Hong Kong SAR	SQG-06A-B	D	Nationally defined categories: 1 = Some primary education or junior secondary education or did not go to school 2 = Junior secondary education 3 = Senior secondary education 4 = Vocational training after senior secondary education 5 = Certificate, a diploma, or an associate degree 6 = Bachelor's degree 7 = Master's degree or Doctoral degree 8 = I don't know 9 = Not applicable
Hong Kong SAR	SQG-06A	D	Mother or female guardian
Hong Kong SAR	SQG-06B	D	Father or male guardian
Iran, Islamic Rep. of	SQG-06A-B	D	Nationally defined categories: 1 = Not finished primary school or did not go to school 2 = Middle school (lower secondary education) 3 = High school 4 = Pre-university 5 = Associate diploma 6 = Bachelor's degree 7 = Master's or Ph.D. degree 8 = I don't know 9 = Not applicable
Iran, Islamic Rep. of	SQG-06A	D	Mother (stepmother or female caregiver)
Iran, Islamic Rep. of	SQG-06B	D	Father (stepfather or male caregiver)
Ireland	SQG-06A-B	D	Nationally defined categories: 1 = Did not go to school, or left before the end of Junior Cycle 2 = Junior Cert., or similar 3 = Leaving Cert., or similar 4 = Post-Leaving Cert. (PLC) course, or similar 5 = Third-level cert. or diploma 6 = University degree (e.g., Bachelor's) 7 = Master's degree, a Doctorate or similar 8 = I don't know 9 = Not applicable
Ireland	SQG-06A	D	Parent or Guardian A (for example, your mother)
Ireland	SQG-06B	D	Parent or Guardian B (for example, your father)

Israel	SQG-06A-B	D	<p>Nationally defined categories:</p> <p>1 = Some primary school or junior school studies or no studies at all</p> <p>2 = Junior school</p> <p>3 = High school</p> <p>4 = Preparatory program school</p> <p>5 = Post-secondary post-certification studies (such as teaching without Bachelor degree, engineering, technicians)</p> <p>6 = Bachelor degree (such as B.A. or B.Ed. or B.Sc.)</p> <p>7 = Master degree or Doctor degree</p> <p>8 = I don't know</p> <p>9 = Not applicable</p>
Israel	SQG-06A	D	Address to one parent or one person who is responsible for you (if ITLANG = 16) / Your first guardian (if ITLANG = 53)
Israel	SQG-06B	D	Address the other parent or other person who is responsible for you (if ITLANG = 16) / Your other guardian (if ITLANG = 53)
Italy	SQG-06A-B	D	<p>Nationally defined categories:</p> <p>1 = Did not complete primary education or lower secondary education or did not go to school</p> <p>2 = Lower secondary education</p> <p>3 = Upper secondary education</p> <p>4 = Post-secondary, non-tertiary education</p> <p>5 = Tertiary education professionalizing degree (e.g., nursing degree)</p> <p>6 = Tertiary education I level</p> <p>7 = Tertiary education II, postgraduate specialization (e.g., Masters, Ph.D)</p> <p>8 = I don't know</p> <p>9 = Not applicable</p>

Japan	SQG-06A-B	D	<p>Stem of the question changed: The following questions (#6 and 8) are about your parents (guardians). What is the highest level of education completed by your parents (guardians)?</p> <p>Nationally defined categories: 1 = Elementary school or did not go to school 2 = Lower secondary school 3 = Upper secondary school 4 = Advanced course of upper secondary school 5 = Junior college, college of technology, or specialized training college (post-secondary course) 6 = University or college 7 = Graduate school 8 = I don't know 9 = Not applicable</p>
Japan	SQG-06A	D	Mother (female guardian)
Japan	SQG-06B	D	Father (male guardian)
Jordan	SQG-06A-B	D	<p>Nationally defined categories: 1 = Didn't complete basic stage or did not go to school at all 2 = Basic education stage (completed tenth grade) 3 = Secondary education stage (completed twelfth grade) 4 = Vocational center 5 = Community college diploma 6 = Bachelor's degree or equivalent level 7 = Master's or Doctor degree 8 = I don't know 9 = Not applicable</p>
Jordan	SQG-06A	D	Mother or Guardian A
Jordan	SQG-06B	D	Father or Guardian B
Korea, Rep. of	SQG-06A-B	D	<p>National categories recoded for international comparability: 1 = Did not attend school or graduated from elementary school or did not complete middle school 2 = Middle school 3 = High school 4 = Option not administered or data not available 5 = Two- or three-year college 6 = Four-year university 7 = Graduate school (Master's or Doctoral degree) 8 = I don't know 9 = Not applicable</p>
Korea, Rep. of	SQG-06A	D	Father (or male guardian)

Korea, Rep. of	SQG-06B	D	Mother (or female guardian)
Kuwait	SQG-06A-B	D	Parents or Guardians
			Nationally defined categories: 1 = Did not go to school or a part of primary level or a part of intermediate level. 2 = Lower secondary education 3 = Upper secondary education 4 = Post-secondary education (diploma) 5 = Short-cycle tertiary education 6 = Bachelor's or equivalent level 7 = Post graduate degree: Master's or Doctor 8 = I don't know 9 = Not applicable
Kuwait	SQG-06A	D	Father or guardian
Kuwait	SQG-06B	D	Mother or guardian
Malaysia	SQG-06A-B	D	Nationally defined categories: 1 = Some primary or secondary education or did not go to school 2 = Lower secondary (PMR) (SPM or STPM or Matriculation) 3 = Upper secondary education 4 = Certificate (institute or skills training) 5 = Diploma (tertiary) 6 = Bachelor or equivalent 7 = Master or PhD 8 = I don't know 9 = Not applicable
Malaysia	SQG-06A	D	Father or mother or Guardian A
Malaysia	SQG-06B	D	Father or mother or Guardian B

New Zealand	SQG-06A-B	D	<p>National categories recoded for international comparability:</p> <p>1 = Left school before the end of Year 10 or did not go to school</p> <p>2 = Up to the end of Year 10 / Year 11 and left with the equivalent of NCEA Level 1</p> <p>3 = Year 12 or 13 and left with at least the equivalent of NCEA Level 2</p> <p>4 = Trade certificate or national certificate course</p> <p>5 = National or vocational diploma</p> <p>6 = Bachelor's degree</p> <p>7 = Bachelor's Honors degree, Postgraduate diploma or Master's degree / PhD</p> <p>8 = I don't know</p> <p>9 = Not applicable</p>
New Zealand	SQG-06A	D	What is the highest level of education completed by your parent or Guardian A?
New Zealand	SQG-06B	D	What is the highest level of education completed by your parent or Guardian B?
Norway	SQG-06A-B	D	<p>Nationally defined categories:</p> <p>1 = Some primary or lower secondary school or did not go to school</p> <p>2 = Lower secondary school</p> <p>3 = Upper secondary school</p> <p>4 = Education beyond upper secondary school, but not university college or university</p> <p>5 = Short education in university college, 1-2 years</p> <p>6 = University or university college, at least 3 years (Bachelor's degree)</p> <p>7 = University or university college, at least 5 years (Master's degree or PhD)</p> <p>8 = I don't know</p> <p>9 = Not applicable</p>
Norway	SQG-06A	D	Mother (or female parent)
Norway	SQG-06B	D	Father (or male parent)

Oman	SQG-06A-B	D	Nationally defined categories: 1 = Some primary education or lower secondary education or did not go to school 2 = Lower secondary education 3 = Upper secondary education (General Education Diploma) 4 = Post-secondary, non-tertiary education 5 = Tertiary Education Diploma 6 = Bachelor's or equivalent level 7 = Postgraduate degree: Master's or Doctor 8 = I don't know 9 = Not applicable
Oman	SQG-06A	D	Mother or female guardian
Oman	SQG-06B	D	Father or male guardian
Qatar	SQG-06A-B	D	Nationally defined categories: 1 = Some primary education or did not go to school 2 = Preparatory education 3 = Secondary education 4 = Post-secondary, non-tertiary education 5 = Diploma (short-cycle tertiary education, before university) 6 = Bachelor's degree or equivalent level 7 = Postgraduate degree: Master's or PhD 8 = I don't know 9 = Not applicable
Qatar	SQG-06A	D	Father or male guardian
Qatar	SQG-06B	D	Mother or female guardian
Saudi Arabia	SQG-06A-B	D	Nationally defined categories: 1 = Some primary education or did not go to school 2 = Lower secondary education 3 = Upper secondary education 4 = Post-secondary, non-tertiary education 5 = Short-cycle tertiary education 6 = Bachelor's or equivalent level 7 = Postgraduate degree: Master's or Doctorate level 8 = I don't know 9 = Not applicable

Singapore	SQG-06A-B	D	<p>Nationally defined categories:</p> <p>1 = Some primary or lower secondary or did not go to school</p> <p>2 = Lower secondary (completed Secondary 2)</p> <p>3 = Upper secondary</p> <p>4 = Post-secondary non-tertiary (e.g., JC, CI, ITE)</p> <p>5 = Polytechnic</p> <p>6 = University Bachelor's degree</p> <p>7 = Master's or Doctoral (e.g., PhD) degree</p> <p>8 = I don't know</p> <p>9 = Not applicable</p>
Singapore	SQG-06A	D	Mother or female guardian
Singapore	SQG-06B	D	Father or male guardian
South Africa	SQG-06A-B	D	<p>National categories recoded for international comparability:</p> <p>1 = Did not finish Grade 9 or did not go to school</p> <p>2 = Grade 9</p> <p>3 = Grade 12</p> <p>4 = Post-matric certificate</p> <p>5 = Diploma</p> <p>6 = First degree / Honor's degree</p> <p>7 = Master's or Doctoral degree</p> <p>8 = Don't know</p> <p>9 = Not applicable</p>
Turkey	SQG-06A-B	D	<p>Nationally defined categories:</p> <p>1 = Did not go to school or completed primary education or left primary or lower secondary education</p> <p>2 = Lower secondary education</p> <p>3 = Upper secondary education</p> <p>4 = Post secondary vocational courses</p> <p>5 = Short-cycle tertiary education</p> <p>6 = Bachelor's level</p> <p>7 = Master's or Doctor</p> <p>8 = I don't know</p> <p>9 = Not applicable</p>
Turkey	SQG-06A	D	Your mother
Turkey	SQG-06B	D	Your father

United Arab Emirates	SQG-06A-B	D	National categories recoded for international comparability: 1 = Some Cycle 1 (Grade 1 or Year 2 - Grade 5 or Year 6) or Cycle 2 (Grade 6 or Year 7 - Grade 9 or Year 10) or did not go to school 2 = Cycle 2 (Grade 6 or Year 7 - Grade 9 or Year 10) 3 = Cycle 3 (Grade 10 or Year 11 - Grade 12 or Year 13) 4 = Technical education or vocational training course 5 = College diploma 6 = Bachelor's degree 7 = Master degree (e.g., Masters of Arts degree or M.Sc.) or Doctoral degree (e.g., Ph.D. or Ed.D.) 8 = I don't know 9 = Not applicable
United Arab Emirates	SQG-06A	D	Father or male guardian
United Arab Emirates	SQG-06B	D	Mother or female guardian
United States	SQG-06A-B	D	National categories recoded for international comparability: 1 = Less than high school 2 = Some high school 3 = High school graduate 4 = Option not administered or data not available 5 = Associate's degree (2-year college program) 6 = Bachelor's degree (4-year college program) 7 = Master's degree or professional degree (MD, DDS, lawyer, minister) / Doctorate (Ph.D. or Ed.D.) 8 = I don't know 9 = Not applicable
Benchmarking Participants			
Ontario, Canada	SQG-06A-B	D	Nationally defined categories: 1 = Some primary education or Grade 7 or Secondary 1 or did not go to school 2 = Grade 8 or Secondary 2 3 = High school 4 = College or cégep (three-year vocational training), registered apprenticeship, trade certificate 5 = College or cégep (two-year pre-university) 6 = Bachelor's degree 7 = Master's or Doctoral degree 8 = I don't know 9 = Not applicable

Quebec, Canada	SQG-06A-B	D	<p>Nationally defined categories:</p> <p>1 = Some primary education or Grade 7 or Secondary 1 or did not go to school</p> <p>2 = Grade 8 or Secondary 2</p> <p>3 = High school</p> <p>4 = College or cégep (three-year vocational training), registered apprenticeship, trade certificate</p> <p>5 = College or cégep (two-year pre-university)</p> <p>6 = Bachelor's degree</p> <p>7 = Master's or Doctoral degree</p> <p>8 = I don't know</p> <p>9 = Not applicable</p>
Gauteng, RSA	SQG-06A-B	D	<p>National categories recoded for international comparability:</p> <p>1 = Did not finish Grade 9 or did not go to school</p> <p>2 = Grade 9</p> <p>3 = Grade 12</p> <p>4 = Post-matric certificate</p> <p>5 = Diploma</p> <p>6 = First degree / Honor's degree</p> <p>7 = Master's or Doctoral degree</p> <p>8 = Don't know</p> <p>9 = Not applicable</p>
Western Cape, RSA	SQG-06A-B	D	<p>National categories recoded for international comparability:</p> <p>1 = Did not finish Grade 9 or did not go to school</p> <p>2 = Grade 9</p> <p>3 = Grade 12</p> <p>4 = Post-matric certificate</p> <p>5 = Diploma</p> <p>6 = First degree / Honor's degree</p> <p>7 = Master's or Doctoral degree</p> <p>8 = Don't know</p> <p>9 = Not applicable</p>
Abu Dhabi, UAE	SQG-06A-B	D	<p>National categories recoded for international comparability:</p> <p>1 = Some Cycle 1 (Grade 1 or Year 2 - Grade 5 or Year 6) or Cycle 2 (Grade 6 or Year 7 - Grade 9 or Year 10) or did not go to school</p> <p>2 = Cycle 2 (Grade 6 or Year 7 - Grade 9 or Year 10)</p> <p>3 = Cycle 3 (Grade 10 or Year 11 - Grade 12 or Year 13)</p> <p>4 = Technical education or vocational training course</p> <p>5 = College diploma</p> <p>6 = Bachelor's degree</p> <p>7 = Master degree (e.g., Masters of Arts degree, M.Sc.) or Doctoral degree (e.g., Ph.D. or Ed.D.)</p> <p>8 = I don't know</p> <p>9 = Not applicable</p>

Abu Dhabi, UAE	SQG-06A	D	Father or male guardian
Abu Dhabi, UAE	SQG-06B	D	Mother or female guardian
Dubai, UAE	SQG-06A-B	D	<p>National categories recoded for international comparability:</p> <p>1 = Some Cycle 1 (Grade 1 or Year 2 - Grade 5 or Year 6) or Cycle 2 (Grade 6 or Year 7 - Grade 9 or Year 10) or did not go to school</p> <p>2 = Cycle 2 (Grade 6 or Year 7 - Grade 9 or Year 10)</p> <p>3 = Cycle 3 (Grade 10 or Year 11 - Grade 12 or Year 13)</p> <p>4 = Technical education or vocational training course</p> <p>5 = College diploma</p> <p>6 = Bachelor's degree</p> <p>7 = Master degree (e.g., Masters of Arts degree, M.Sc.) or Doctoral degree (e.g., Ph.D. or Ed.D.)</p> <p>8 = I don't know</p> <p>9 = Not applicable</p>
Dubai, UAE	SQG-06A	D	Father or male guardian
Dubai, UAE	SQG-06B	D	Mother or female guardian

SQG-07

Question:

How far in your education do you expect to go?

- 1 = Finish <Lower secondary education—ISCED Level 2>
- 2 = Finish <Upper secondary education—ISCED Level 3>
- 3 = Finish <Post-secondary, non-tertiary education—ISCED Level 4>
- 4 = Finish <Short-cycle tertiary education—ISCED Level 5>
- 5 = Finish <Bachelor's or equivalent level—ISCED Level 6>
- 6 = Finish <Postgraduate degree: Master's—ISCED Level 7 or Doctor—ISCED Level 8>

Variable Name(s): BSBG07

Country	Item ID	Code	Documentation
Australia	SQG-07	D	National options recoded for international comparability: 1 = Year 10 2 = Year 12 3 = TAFE training certificate, apprenticeship or traineeship 4 = TAFE or college diploma (e.g., Diploma of Information Technology) 5 = Undergraduate degree (e.g., Bachelor of Arts) / Graduate or postgraduate diploma (e.g., Postgraduate Diploma of Education) 6 = Master's degree, PhD or Doctorate
Bahrain	SQG-07	D	National options recoded for international comparability: 1 = Intermediate education 2 = Secondary education 3 = Diploma 4 = Option not administered or data not available 5 = Bachelor's 6 = Master's or PhD
Chile	SQG-07	D	National options recoded for international comparability: 1 = Do not finish upper secondary education 2 = Upper secondary humanist/scientist education / Upper secondary vocational education 3 = Option not administered or data not available 4 = Post secondary education in a professional institute or center of vocational development 5 = Bachelor's education in university 6 = Postgraduate degree (Master's or Doctorate)

Chinese Taipei	SQG-07	D	National options recoded for international comparability: 1 = Junior high school program 2 = Senior high school or vocational school program 3 = Junior college or two-year college program 4 = Option not administered or data not available 5 = Two-year college of technology or four-year college of technology program / University program 6 = Master's program / PhD program
Egypt	SQG-07	D	Nationally defined options: 1 = Preparatory education 2 = Secondary education 3 = Technical secondary education 4 = Intermediate institutes 5 = Bachelor's degree or equivalent 6 = Master's or Ph.D.
England	SQG-07	D	Nationally defined options: 1 = Lower secondary school up to the age of 14 2 = GCSE, AS, A level or equivalent qualifications, e.g., NVQ at Level 3 or GNVQ 3 = Higher Education Access Course 4 = Higher Education qualification below degree level e.g., NVQ level 4 or 5, Diploma, nursing qualification or Higher Level in HNC, HND or BTEC 5 = University degree (e.g., BA, BSc, BEd) 6 = Master's degree, Doctorate or higher degree (e.g., MPhil, PhD)
Hong Kong SAR	SQG-07	D	Nationally defined options: 1 = Junior secondary education 2 = Senior secondary education 3 = Vocational training after senior secondary education 4 = Certificate, a diploma, or an Associate degree 5 = Bachelor's degree 6 = Master's degree or Doctoral degree
Iran, Islamic Rep. of	SQG-07	D	Nationally defined options: 1 = Lower secondary education 2 = Upper secondary education 3 = Post-secondary, non-tertiary education 4 = Associate diploma 5 = Bachelor's or equivalent level 6 = Master's or Doctor

Ireland	SQG-07	D	<p>Nationally defined options:</p> <p>1 = Junior Cert. 2 = Leaving Cert. 3 = Post-Leaving Cert. (PLC) course 4 = Third-level cert. or diploma (e.g., from an Institute of Technology) 5 = University degree (e.g., Bachelor's) 6 = Master's degree and/or Doctorate</p>
Israel	SQG-07	D	<p>Nationally defined categories:</p> <p>1 = Junior school 2 = High school 3 = Preparatory program school 4 = Post-secondary post-certification studies (such as engineering, technicians) 5 = Bachelor degree (such as B.A. or B.Ed. or B.Sc.) 6 = Master degree or Doctor degree</p>
Italy	SQG-07	D	<p>Nationally defined options:</p> <p>1 = Lower secondary education 2 = Upper secondary education 3 = Post-secondary, non-tertiary education 4 = Tertiary education professionalizing degree (e.g., nursing degree) 5 = Tertiary education I level 6 = Tertiary education II, postgraduate specialization (e.g., Master's, Ph.D)</p>
Japan	SQG-07	D	<p>Nationally defined options:</p> <p>1 = Lower secondary school 2 = Upper secondary school 3 = Advanced course of upper secondary school 4 = Junior college, college of technology, or specialized training college (post-secondary course) 5 = University or college 6 = Graduate school</p>
Jordan	SQG-07	D	<p>Nationally defined options:</p> <p>1 = Basic education stage (tenth grade) 2 = Secondary education stage (twelfth grade) 3 = Vocational center 4 = Community college diploma 5 = Bachelor's degree or equivalent level 6 = Master's or Doctor degree</p>

Korea, Rep. of	SQG-07	D	<p>National options recoded for international comparability:</p> <p>1 = Middle school</p> <p>2 = High school</p> <p>3 = Option not administered or data not available</p> <p>4 = Two- or three-year college</p> <p>5 = Four-year university</p> <p>6 = Graduate school for Master's degree or graduate school for Doctoral degree</p>
Kuwait	SQG-07	D	<p>Nationally defined options:</p> <p>1 = Lower secondary education</p> <p>2 = Upper secondary education</p> <p>3 = Post-secondary education (diploma)</p> <p>4 = Short-cycle tertiary education</p> <p>5 = Bachelor's or equivalent level</p> <p>6 = Postgraduate degree: Master's or Doctor</p>
Malaysia	SQG-07	D	<p>Nationally defined options:</p> <p>1 = Lower secondary education (PMR)</p> <p>2 = Upper secondary education (SPM or STPM or Matriculation)</p> <p>3 = Certificate (institute or skills training)</p> <p>4 = Diploma (tertiary)</p> <p>5 = Bachelor or equivalent</p> <p>6 = Master or PhD</p>
New Zealand	SQG-07	D	<p>National categories recoded for international comparability:</p> <p>1 = Up to the end of Year 10 / Level 1 of NCEA</p> <p>2 = At least Level 2 of NCEA</p> <p>3 = Trade certificate or national certificate course</p> <p>4 = National diploma course at a tertiary institution (e.g., counseling, business studies, fashion design)</p> <p>5 = Bachelor's degree</p> <p>6 = Bachelor's Honors degree, Post-graduate diploma, or Master's degree / PhD</p>
Norway	SQG-07	D	<p>Nationally defined options:</p> <p>1 = Lower secondary school</p> <p>2 = Upper secondary school</p> <p>3 = Education beyond upper secondary school, but not in university college or university</p> <p>4 = Short education in university college, 1-2 years</p> <p>5 = University or university college, at least 3 years (Bachelor's degree)</p> <p>6 = University or university college, at least 5 years (Master's degree or PhD)</p>

Oman	SQG-07	D	<p>Nationally defined options:</p> <p>1 = Lower secondary education (basic education)</p> <p>2 = Upper secondary education (General Education Diploma)</p> <p>3 = Post-secondary, non-tertiary education</p> <p>4 = Tertiary Education Diploma</p> <p>5 = Bachelor's or equivalent level</p> <p>6 = Postgraduate degree: Master's or Doctor</p>
Qatar	SQG-07	D	<p>Nationally defined categories:</p> <p>1 = Preparatory education</p> <p>2 = Secondary education</p> <p>3 = Post-secondary, non-tertiary education</p> <p>4 = Diploma (short-cycle tertiary education, before university)</p> <p>5 = Bachelor's degree or equivalent level</p> <p>6 = Postgraduate degree: Master's or PhD</p>
Saudi Arabia	SQG-07	D	<p>Nationally defined options:</p> <p>1 = Lower secondary education</p> <p>2 = Upper secondary education</p> <p>3 = Post-secondary, non-tertiary education</p> <p>4 = Short-cycle tertiary education</p> <p>5 = Bachelor's or equivalent level</p> <p>6 = Postgraduate degree: Master's or Doctor</p>
Singapore	SQG-07	D	<p>Nationally defined options:</p> <p>1 = Lower secondary</p> <p>2 = Upper secondary</p> <p>3 = Post-secondary, non-tertiary (e.g., JC, CI, ITE)</p> <p>4 = Polytechnic</p> <p>5 = University Bachelor's degree</p> <p>6 = Master's or Doctoral (e.g., PhD) degree</p>
South Africa	SQG-07	D	<p>Stem of the question changed:</p> <p>How far in your education do you think you will go?</p> <p>National categories recoded for international comparability:</p> <p>1 = Grade 9</p> <p>2 = Grade 12</p> <p>3 = Post-matric certificate</p> <p>4 = Diploma</p> <p>5 = First degree / Honor's degree</p> <p>6 = Master's or Doctoral degree</p>

Turkey	SQG-07	D	Nationally defined options: 1 = Lower secondary education 2 = Upper secondary education 3 = Post secondary vocational courses 4 = Short-cycle tertiary education 5 = Bachelor's level 6 = Master's or Doctor
United Arab Emirates	SQG-07	D	Nationally defined options: 1 = Cycle 2 (Grade 6 or Year 7 - Grade 9 or Year 10) 2 = Cycle 3 (Grade 10 or Year 11 - Grade 12 or Year 13) 3 = Technical education or vocational training course 4 = College diploma 5 = Bachelor's degree 6 = Master's degree (e.g., Master of Arts degree or M.Sc.) or Doctoral degree (e.g., Ph.D. or Ed.D.)
United States	SQG-07	D	National options recoded for international comparability: 1 = Middle school 2 = High school 3 = Option not administered or data not available 4 = Associate's degree (2-year college program) 5 = Bachelor's degree (4-year college program) 6 = Master's degree or professional degree (MD, DDS, lawyer, minister) / Doctorate (Ph.D., Ed.D.)
Benchmarking Participants			
Ontario, Canada	SQG-07	D	Nationally defined options: 1 = Grade 8 or Secondary 2 2 = High school 3 = College or cégep (three-year vocational training), registered apprenticeship, trade certificate 4 = College or cégep (two-year pre-university) 5 = Bachelor's degree 6 = Master's or a Doctoral degree
Quebec, Canada	SQG-07	D	Nationally defined options: 1 = Grade 8 or Secondary 2 2 = High school 3 = College or cégep (three-year vocational training), registered apprenticeship, trade certificate 4 = College or cégep (two-year pre-university) 5 = Bachelor's degree 6 = Master's or a Doctoral degree

Gauteng, RSA	SQG-07	D	<p>Stem of the question changed: How far in your education do you think you will go?</p> <p>National categories recoded for international comparability: 1 = Grade 9 2 = Grade 12 3 = Post-matric certificate 4 = Diploma 5 = First degree / Honor's degree 6 = Master's or Doctoral degree</p>
Western Cape, RSA	SQG-07	D	<p>Stem of the question changed: How far in your education do you think you will go?</p> <p>National categories recoded for international comparability: 1 = Grade 9 2 = Grade 12 3 = Post-matric certificate 4 = Diploma 5 = First degree / Honor's degree 6 = Master's or Doctoral degree</p>
Abu Dhabi, UAE	SQG-07	D	<p>Nationally defined options: 1 = Cycle 2 (Grade 6 or Year 7 - Grade 9 or Year 10) 2 = Cycle 3 (Grade 10 or Year 11 - Grade 12 or Year 13) 3 = Technical education or vocational training course 4 = College diploma 5 = Bachelor's degree 6 = Master's degree (e.g., Master of Arts degree, M.Sc.) or Doctoral degree (e.g., Ph.D. or Ed.D.)</p>
Dubai, UAE	SQG-07	D	<p>Nationally defined options: 1 = Cycle 2 (Grade 6 or Year 7 - Grade 9 or Year 10) 2 = Cycle 3 (Grade 10 or Year 11 - Grade 12 or Year 13) 3 = Technical education or vocational training course 4 = College diploma 5 = Bachelor's degree 6 = Master's degree (e.g., Master of Arts degree, M.Sc.) or Doctoral degree (e.g., Ph.D. or Ed.D.)</p>

SQG-08A-B

Question:

Were your <parents/guardians> born in <country>?

A: <Parent/Guardian A>

B: <Parent/Guardian B>

1 = Yes

2 = No

3 = I don't know

4 = Not applicable

Variable Name(s): BSBG08A, BSBG08B

Country	Item ID	Code	Documentation
Chinese Taipei	SQG-08A-B	D	Stem of the question changed: Were your father and mother (stepfather, stepmother, male guardian or female guardian) born in the Republic of China?
Chinese Taipei	SQG-08A	D	Father (stepfather or male guardian)
Chinese Taipei	SQG-08B	D	Mother (stepmother or female guardian)
Egypt	SQG-08A-B	D	Parents
Egypt	SQG-08A	D	Your mother (or stepmother or female guardian)
Egypt	SQG-08B	D	Your father (or stepfather or male guardian)
England	SQG-08A-B	D	Parents (or stepparents or guardians)
England	SQG-08A	D	Mother (or stepmother or female guardian)
England	SQG-08B	D	Father (or stepfather or male guardian)
Hong Kong SAR	SQG-08A	D	Mother or female guardian
Hong Kong SAR	SQG-08B	D	Father or male guardian
Iran, Islamic Rep. of	SQG-08A	D	Mother (stepmother or female caregiver)
Iran, Islamic Rep. of	SQG-08B	D	Father (stepfather or male caregiver)
Ireland	SQG-08A	D	Parent or Guardian A (for example, your mother)

Ireland	SQG-08B	D	Parent or Guardian B (for example, your father)
Israel	SQG-08A-B	D	Parents or those who are responsible for you (if ITLANG = 16) / Your guardians (if ITLANG = 53)
Israel	SQG-08A	D	One parent or one person who is responsible for you (if ITLANG = 16) / Your first guardian (if ITLANG = 53)
Israel	SQG-08B	D	The other parent or other person who is responsible for you (if ITLANG = 16) / Your other guardian (if ITLANG = 53)
Japan	SQG-08A	D	Mother (female guardian)
Japan	SQG-08B	D	Father (male guardian)
Jordan	SQG-08A	D	Mother or Guardian A
Jordan	SQG-08B	D	Father or Guardian B
Korea, Rep. of	SQG-08A	D	Father (or male guardian)
Korea, Rep. of	SQG-08B	D	Mother (or female guardian)
Kuwait	SQG-08A	D	Father or guardian
Kuwait	SQG-08B	D	Mother or guardian
Malaysia	SQG-08A-B	D	Father or mother or guardians
Malaysia	SQG-08A	D	Father or mother or Guardian A
Malaysia	SQG-08B	D	Father or mother or Guardian B
Norway	SQG-08A	D	Mother (or female guardian)
Norway	SQG-08B	D	Father (or male guardian)
Oman	SQG-08A	D	Mother or female guardian
Oman	SQG-08B	D	Father or male guardian
Qatar	SQG-08A	D	Father or male guardian
Qatar	SQG-08B	D	Mother or female guardian
Singapore	SQG-08A	D	Mother or female guardian
Singapore	SQG-08B	D	Father or male guardian

South Africa	SQG-08A-B	D	Stem of the question changed: Was your mother (or stepmother or female guardian) born in South Africa? / Was your father (or stepfather or male guardian) born in South Africa?
Turkey	SQG-08A	D	Your mother
Turkey	SQG-08B	D	Your father
United Arab Emirates	SQG-08A	D	Father or male guardian
United Arab Emirates	SQG-08B	D	Mother or female guardian
United States	SQG-08A-B	D	Stem of the question changed: Were your parents or guardians born in the United States? ("United States" includes the 50 states, its territories, the District of Columbia, and U.S. military bases abroad).
Benchmarking Participants			
Gauteng, RSA	SQG-08A-B	D	Stem of the question changed: Was your mother (or stepmother or female guardian) born in South Africa? / Was your father (or stepfather or male guardian) born in South Africa?
Western Cape, RSA	SQG-08A-B	D	Stem of the question changed: Was your mother (or stepmother or female guardian) born in South Africa? / Was your father (or stepfather or male guardian) born in South Africa?
Abu Dhabi, UAE	SQG-08A	D	Father or male guardian
Abu Dhabi, UAE	SQG-08B	D	Mother or female guardian
Dubai, UAE	SQG-08A	D	Father or male guardian
Dubai, UAE	SQG-08B	D	Mother or female guardian

SQG-12A-F

Question:

Do you use the Internet to do any of the following tasks for schoolwork (including classroom tasks, homework, studying outside of class)?

- A: Access the textbook or other course materials
- B: Access assignments posted online by my teacher
- C: Collaborate with classmates on assignments or projects
- D: Communicate with the teacher
- E: Find information, articles, or tutorials to aid in understanding mathematics or science
- F: Access learning games or activities related to mathematics or science

1 = Yes

2 = No

Variable Name(s): BSBG12A, BSBG12B, BSBG12C, BSBG12D, BSBG12E, BSBG12F

Country	Item ID	Code	Documentation
Norway	SQG-12A-F	X	Question not administered or data not available

SQG-14A-N

Question:

During this school year, how often have other students from your school done any of the following things to you, including through texting or the Internet?

A: Said mean things about my physical appearance (e.g., my hair, my size)

B: Spread lies about me

C: Shared my secrets with others

D: Refused to talk to me

E: Insulted a member of my family

F: Stole something from me

G: Made me do things I didn't want to do

H: Sent me nasty or hurtful messages online

I: Shared nasty or hurtful things about me online

J: Shared embarrassing photos of me online

K: Threatened me

L: Physically hurt me

M: Excluded me from their group (e.g., parties, messaging)

N: Damaged something of mine on purpose

1 = At least once a week

2 = Once or twice a month

3 = A few times a year

4 = Never

Variable Name(s):

BSBG14A, BSBG14B, BSBG14C, BSBG14D, BSBG14E, BSBG14F, BSBG14G, BSBG14H, BSBG14I, BSBG14J, BSBG14K, BSBG14L, BSBG14M, BSBG14N

Country	Item ID	Code	Documentation
Israel	SQG-14A-N	X	Question not administered or data not available
Korea, Rep. of	SQG-14G	X	Option not administered or data not available
New Zealand	SQG-14I	D	Shared nasty or hurtful things about me online or by text
Norway	SQG-14H	D	Sent me nasty or hurtful messages online (e.g., SMS, Snapchat)
Norway	SQG-14I	D	Shared nasty or hurtful things about me online (e.g., SMS, Snapchat)
Norway	SQG-14J	D	Shared embarrassing photos of me online (e.g., Snapchat)

SQM-18A-F

Question:

How often do these things happen in your mathematics lessons?

A: Students don't listen to what the teacher says
 B: There is disruptive noise
 C: It is too disorderly for students to work well
 D: My teacher has to wait a long time for students to quiet down
 E: Students interrupt the teacher
 F: My teacher has to keep telling us to follow the classroom rules

1 = Every or almost every lesson
 2 = About half the lessons
 3 = Some lessons
 4 = Never

Variable Name(s): BSBM18A, BSBM18B, BSBM18C, BSBM18D, BSBM18E, BSBM18F

Country	Item ID	Code	Documentation
New Zealand	SQM-18C	D	It is too distracting for students to work well.
Singapore	SQM-18A-F	X	Question not administered or data not available

SQM-20A-I

Question:

How much do you agree with these statements about mathematics?

- A: I think learning mathematics will help me in my daily life
- B: I need mathematics to learn other school subjects
- C: I need to do well in mathematics to get into the <university> of my choice
- D: I need to do well in mathematics to get the job I want
- E: I would like a job that involves using mathematics
- F: It is important to learn about mathematics to get ahead in the world
- G: Learning mathematics will give me more job opportunities when I am an adult
- H: My parents think that it is important that I do well in mathematics
- I: It is important to do well in mathematics

- 1 = Agree a lot
- 2 = Agree a little
- 3 = Disagree a little
- 4 = Disagree a lot

Variable Name(s): BSBM20A, BSBM20B, BSBM20C, BSBM20D, BSBM20E, BSBM20F, BSBM20G, BSBM20H, BSBM20I

Country	Item ID	Code	Documentation
Chinese Taipei	SQM-20C	D	My ideal school
Egypt	SQM-20C	D	College
England	SQM-20C	D	College or university
Ireland	SQM-20C	D	College
New Zealand	SQM-20C	D	University, polytechnic, or other tertiary institute of my choice
Norway	SQM-20C	D	Education
United States	SQM-20C	D	College or university
Benchmarking Participants			
Ontario, Canada	SQM-20C	D	College or university
Ontario, Canada	SQM-20H	D	My parents or guardians think that it is important that I do well in mathematics.

Quebec, Canada	SQM-20C	D	College or university
Quebec, Canada	SQM-20H	D	My parents or guardians think that it is important that I do well in mathematics.

SQIS-25A-I

Question:

How much do you agree with these statements about science?

- A: I think learning science will help me in my daily life
- B: I need science to learn other school subjects
- C: I need to do well in science to get into the <university> of my choice
- D: I need to do well in science to get the job I want
- E: I would like a job that involves using science
- F: It is important to learn about science to get ahead in the world
- G: Learning science will give me more job opportunities when I am an adult
- H: My parents think that it is important that I do well in science
- I: It is important to do well in science

- 1 = Agree a lot
- 2 = Agree a little
- 3 = Disagree a little
- 4 = Disagree a lot

Variable Name(s): BSBS25A, BSBS25B, BSBS25C, BSBS25D, BSBS25E, BSBS25F, BSBS25G, BSBS25H, BSBS25I

Country	Item ID	Code	Documentation
Chinese Taipei	SQIS-25C	D	My ideal school
Egypt	SQIS-25C	D	College
England	SQIS-25C	D	College or university
Ireland	SQIS-25C	D	College
New Zealand	SQIS-25C	D	University, polytechnic, or other tertiary institute of my choice
Norway	SQIS-25C	D	Education
United States	SQIS-25C	D	College or university

Benchmarking Participants

Ontario, Canada	SQIS-25C	D	College or university
Ontario, Canada	SQIS-25H	D	My parents or guardians think that it is important that I do well in science.
Quebec, Canada	SQIS-25C	D	College or university
Quebec, Canada	SQIS-25H	D	My parents or guardians think that it is important that I do well in science.

SQIS-27AA-AB

Question:

During the last 12 months, have you attended extra lessons or tutoring not provided by the school in the following subjects?

A: Mathematics
B: Science

1 = Yes, to excel in class
2 = Yes, to keep up in class
3 = No

Variable Name(s): BSBM27AA, BSBS27AB

Country	Item ID	Code	Documentation
Norway	SQIS-27AA-AB	X	Question not administered or data not available

SQIS-27BA-BB

Question:

For how many of the last 12 months have you attended extra lessons or tutoring?

A: Mathematics
B: Science

1 = Did not attend
2 = Less than 4 months
3 = 4-8 months
4 = More than 8 months

Variable Name(s): BSBM27BA, BSBS27BB

Country	Item ID	Code	Documentation
Norway	SQIS-27BA-BB	X	Question not administered or data not available



SECTION 2.2: **STUDENT QUESTIONNAIRE—** **SEPARATE SCIENCE VERSION** **GRADE 8**

TIMSS 2019 USER GUIDE FOR THE
INTERNATIONAL DATABASE



TIMSS & PIRLS
International Study Center
Lynch School of Education
BOSTON COLLEGE

SQG-03

Question:
 How often do you speak <language of test> at home?

 1 = Always
 2 = Almost always
 3 = Sometimes
 4 = Never

Variable Name(s): BSBG03

Country	Item ID	Code	Documentation
Cyprus	SQG-03	D	Greek (if ITLANG = 44) / English (if ITLANG = 1)
Finland	SQG-03	D	Finnish (if ITLANG = 43) / Swedish (if ITLANG = 32)
Kazakhstan	SQG-03	D	Kazakh (if ITLANG = 39) / Russian (if ITLANG = 29)
Lebanon	SQG-03	D	English (if ITLANG = 1) / French (if ITLANG = 3)
Lithuania	SQG-03	D	Lithuanian language (if ITLANG = 22) / Polish language (if ITLANG = 27) / Russian language (if ITLANG = 29)
Morocco	SQG-03	D	Arabic (if ITLANG = 53) / Not administered (if ITLANG = 3)

SQG-05A-I

Question:

Do you have any of these things at your home?

- A: A computer or tablet
- B: Study desk/table for your use
- C: Your own room
- D: Internet connection
- E: Your own mobile phone
- F: <country-specific indicator of wealth>
- G: <country-specific indicator of wealth>
- H: <country-specific indicator of wealth>
- I: <country-specific indicator of wealth>

1 = Yes

2 = No

Variable Name(s): BSBG05A, BSBG05B, BSBG05C, BSBG05D, BSBG05E, BSBG05F, BSBG05G, BSBG05H, BSBG05I

Country	Item ID	Code	Documentation
Cyprus	SQG-05F	D	Educational computer games
Cyprus	SQG-05G	D	Cable or satellite TV (e.g., Cablenet, Cytavision, Nova, Primetel)
Cyprus	SQG-05H	D	Alarm system
Cyprus	SQG-05I	D	Swimming pool
Finland	SQG-05F	D	Playing console
Finland	SQG-05G	D	Your own computer or tablet
Finland	SQG-05H	D	Musical instrument (e.g., piano, guitar)
Finland	SQG-05I	D	Home security alarm system
France	SQG-05G-I	X	Option not administered or data not available
France	SQG-05F	D	Video game console (i.e., PlayStation®, Wii®, Xbox®)
Georgia	SQG-05F	D	Family-owned private car

Georgia	SQG-05G	D	Dishwasher
Georgia	SQG-05H	D	Summer house
Georgia	SQG-05I	X	Option not administered or data not available
Hungary	SQG-05F	D	Dishwasher
Hungary	SQG-05G	D	Paintings or ceramics
Hungary	SQG-05H	D	Air conditioning units
Hungary	SQG-05I	D	Ski equipment (e.g., skis, ski boots)
Kazakhstan	SQG-05F	D	Home cinema
Kazakhstan	SQG-05G	D	Digital photo or video camera
Kazakhstan	SQG-05H	D	Dishwasher
Kazakhstan	SQG-05I	D	Car
Lebanon	SQG-05G-I	X	Option not administered or data not available
Lebanon	SQG-05F	D	Gaming system (e.g., PlayStation, Xbox ...)
Lithuania	SQG-05E	D	Your own mobile phone (smartphone)
Lithuania	SQG-05F	D	E-book reader
Lithuania	SQG-05G	D	Electric scooter or hoverboard
Lithuania	SQG-05H	D	Musical instruments (e.g., violin, piano)
Lithuania	SQG-05I	X	Option not administered or data not available
Morocco	SQG-05F	D	Video games or computer
Morocco	SQG-05G	D	Motorcycle
Morocco	SQG-05H	D	Valuable wristwatch
Morocco	SQG-05I	D	Clothing with international brand names
Portugal	SQG-05F	D	Your own laptop
Portugal	SQG-05G	D	Game console (ex., PlayStation, Wii, Xbox)

Portugal	SQG-05H	D	Paid cable TV channels - extra package (ex., Netflix, Sport TV, TV Cine)
Portugal	SQG-05I	D	Air conditioning
Romania	SQG-05F	D	Car
Romania	SQG-05G	D	Washing machine
Romania	SQG-05H	D	Dishwasher
Romania	SQG-05I	D	Smart TV
Russian Federation	SQG-05F	D	Musical instruments (e.g., guitar, piano)
Russian Federation	SQG-05G	D	Car (one or more)
Russian Federation	SQG-05H	D	A flat (or house) with 4 or more rooms
Russian Federation	SQG-05I	D	Dishwasher
Sweden	SQG-05F	D	A globe
Sweden	SQG-05G	D	Piano
Sweden	SQG-05H	D	Any musical instruments other than piano
Sweden	SQG-05I	X	Option not administered or data not available

Benchmarking Participants

Moscow City, Russian Fed.	SQG-05F-I	X	Option not administered or data not available
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SQG-06A-B

Question:

The following questions are about your <Parent/Guardian A> and <Parent/Guardian B>. <If you have only one parent/guardian, answer for Parent/Guardian A. If you have two parents/guardians, choose one for Parent/Guardian A and the other for Parent/Guardian B.>

What is the highest level of education completed by your <parents/guardians>?

A: <Parent/Guardian A>

B: <Parent/Guardian B>

1 = Some <Primary education—ISCED Level 1 or Lower secondary education—ISCED Level 2> or did not go to school

2 = <Lower secondary education—ISCED Level 2>

3 = <Upper secondary education—ISCED Level 3>

4 = <Post-secondary, non-tertiary education—ISCED Level 4>

5 = <Short-cycle tertiary education—ISCED Level 5>

6 = <Bachelor's or equivalent level—ISCED Level 6>

7 = <Postgraduate degree: Master's—ISCED Level 7 or Doctor—ISCED Level 8>

8 = I don't know

9 = Not applicable

Variable Name(s): BSBG06A, BSBG06B

Country	Item ID	Code	Documentation
Cyprus	SQG-06A-B	D	Nationally defined categories: 1 = Some primary education or lower secondary education 2 = Lower secondary education 3 = Upper secondary education or vocational education 4 = Post-secondary, non-tertiary education (e.g., secretarial studies) 5 = Short-cycle tertiary education (e.g., higher technology institute diploma) 6 = Bachelor's 7 = Postgraduate degree: Master's or Doctor 8 = I don't know 9 = Not applicable
Cyprus	SQG-06A	D	Father
Cyprus	SQG-06B	D	Mother

Finland	SQG-06A-B	D	<p>Nationally defined categories:</p> <p>1 = Some primary education or lower secondary education</p> <p>2 = Lower secondary education</p> <p>3 = Upper secondary education academic or vocational</p> <p>4 = Special vocational</p> <p>5 = Short-cycle tertiary education</p> <p>6 = Bachelor's or equivalent level (in polytechnic or university)</p> <p>7 = Postgraduate degree: Master's (in polytechnic or university) or licentiate or Doctor</p> <p>8 = I don't know</p> <p>9 = Not applicable</p>
Finland	SQG-06A	D	Mother, stepmother, female guardian or Guardian A
Finland	SQG-06B	D	Father, stepfather, male guardian or Guardian B
France	SQG-06A-B	D	<p>Stem of the question changed:</p> <p>What is the highest level of education completed by your parents or guardians?</p> <p>Nationally defined categories:</p> <p>1 = Primary education or did not finish lower secondary school or did not go to school</p> <p>2 = Lower secondary education</p> <p>3 = Baccalaureate</p> <p>4 = Post-secondary, and pre-university level (law capacity, allowance to enter university level ...)</p> <p>5 = Short-cycle tertiary education (technical diploma ...)</p> <p>6 = Bachelor's or equivalent level</p> <p>7 = Master's or Doctor</p> <p>8 = I don't know</p> <p>9 = Not applicable</p>
France	SQG-06A	D	Mother (or stepmother or guardian)
France	SQG-06B	D	Father (or stepfather or guardian)

Georgia	SQG-06A-B	D	<p>Stem of the question changed: The following question is about your parents or guardians.</p> <p>Nationally defined categories: 1 = Primary (4 grades) level or incomplete basic (below grade 9) level of general education 2 = Basic level of general education (9 grades) 3 = Secondary level of general education (10-12 grades) 4 = Vocational school (based on 10-12 grade, e.g., college, proftechnicum) 5 = Higher vocational school (proftechnicum) 6 = First degree higher education (Bachelor's) 7 = Further degrees of higher education (Master's, 5-year education prior to 2005 equivalent to Master's, or scientific degree such as candidate or Doctor's) 8 = I don't know 9 = Not applicable</p>
Georgia	SQG-06A	D	Mother (female guardian)
Georgia	SQG-06B	D	Father (male guardian)
Hungary	SQG-06A-B	D	<p>Stem of the question changed: The following questions are about your parents or guardians. Please only think about those persons, who live in the same household as you do. If you have only one parent or guardian, you only need to answer for that specific person.</p> <p>National categories recoded for international comparability: 1 = Did not finish general school or did not go to school 2 = General school (grade 8) 3 = Vocational school / Secondary vocational school with matura or grammar school with matura 4 = Vocational programs (usually two years) based on Maturity examination (e.g., dental technician, jeweler) 5 = Accredited post secondary vocational programs (e.g., customs administrator, social insurance administrator) 6 = College or university BA level 7 = University or university MA level or education higher than these (e.g., PhD, university post-graduate program) 8 = I don't know 9 = Not applicable for this person</p>
Hungary	SQG-06A	D	Your mother's (or your stepmother's or your foster mother's) highest level of education

Hungary	SQG-06B	D	Your father's (or your stepfather's or your foster father's) highest level of education
Kazakhstan	SQG-06A-B	D	National categories recoded for international comparability: 1 = Some primary education or did not go to school 2 = Lower secondary education 3 = Upper secondary education 4 = Technical and professional education / Post secondary education 5 = Category not administered or data not available 6 = Higher education (Bachelor) 7 = Postgraduate education (Master's or Doctor) 8 = I don't know 9 = Not applicable
Kazakhstan	SQG-06A	D	Father or guardian
Kazakhstan	SQG-06B	D	Mother or guardian
Lebanon	SQG-06A-B	D	Nationally defined categories: 1 = Some primary education or Cycle 2 of basic education or lower secondary education or Cycle 3 of basic education or did not go to school 2 = Lower secondary education or Cycle 3 of basic education 3 = Cycle 4 or secondary education 4 = Normal school, basic education (1 year after secondary cycle) 5 = Normal school, basic education (2 years after secondary cycle) 6 = First university cycle 7 = Second or third university cycle (Master's or PhD) 8 = I don't know 9 = Not applicable
Lebanon	SQG-06A	D	Mother or stepmother or female guardian
Lebanon	SQG-06B	D	Father or stepfather or male guardian

Lithuania	SQG-06A-B	D	Nationally defined options: 1 = Did not go to school or did not complete primary or lower secondary education 2 = Lower secondary education 3 = Upper secondary education 4 = Vocational (already having secondary education) 5 = Further (finished further education school or technical school) 6 = Bachelor's (finish university) or vocational Bachelor (finish college) degree 7 = Master's or Doctor's degree 8 = I don't know 9 = Not applicable
Lithuania	SQG-06A	D	Mother (guardian)
Lithuania	SQG-06B	D	Father (guardian)
Morocco	SQG-06A-B	D	Nationally defined categories: 1 = Part of the primary school or part of lower secondary school or did not go to school 2 = Lower secondary school 3 = Upper secondary school 4 = Preparatory classes 5 = Diploma of university studies 6 = Bachelor's degree or equivalent 7 = Master's degree or Doctorate 8 = I don't know 9 = Not applicable
Morocco	SQG-06A	D	The father of the child (or stepfather or guardian)
Morocco	SQG-06B	D	Mother of the child (or father's wife or guardian)
Portugal	SQG-06A-B	D	National categories recoded for international comparability: 1 = Did not go to school or did not complete 1st cycle of education / 1st and 2nd cycle of education 2 = 3rd cycle of education 3 = Secondary education 4 = Technological specialization course 5 = Professional higher technical course 6 = Bachelor's 7 = Master's or Doctor 8 = I don't know 9 = Not applicable
Portugal	SQG-06A	D	Mother (or legal guardian)
Portugal	SQG-06B	D	Father (or legal guardian)

Romania	SQG-06A-B	D	Nationally defined categories: 1 = Primary education or lower secondary education or did not go to school 2 = Lower secondary education 3 = Upper secondary education 4 = Post-secondary, non-tertiary education 5 = Short-cycle tertiary education 6 = Bachelor's degree 7 = Master's or Doctor degree 8 = I don't know 9 = Not applicable
Russian Federation	SQG-06A-B	D	Nationally defined categories: 1 = Did not finish primary school or basic education or did not go to school 2 = Basic general education (9 grades) 3 = Secondary general education (11 grades) 4 = Short-term course or program for secondary education or initial vocational education 5 = Incomplete higher education (two years or more) 6 = Higher education: Bachelor or equivalent (three years or more) 7 = Higher education: Master or equivalent (five years or more) or second university degree; Candidate or Doctor degree 8 = Difficult to answer 9 = Not applicable
Russian Federation	SQG-06A	D	Mother (or female guardian)
Russian Federation	SQG-06B	D	Father (or male guardian)
Sweden	SQG-06A-B	D	Nationally defined categories: 1 = Did not go to school or less than 9 years in elementary school 2 = 9 years in elementary school 3 = Secondary school 4 = Tertiary education, not university college 5 = Higher education up to 2 years (for instance university college degree) 6 = University or university college degree (e.g., Bachelor's degree 3 years) 7 = University or university college degree (e.g., Master's degree 4-5 years or postgraduate education) 8 = I don't know 9 = Not applicable

Benchmarking Participants

Moscow City, Russian Fed.

SQG-06A-B

D

Nationally defined categories:

1 = Did not go to school, primary or basic education

2 = Basic general education (9 grades)

3 = Secondary general education (11 grades)

4 = Short-time course or program on the base of secondary education, initial vocational education

5 = Incomplete higher education: (two years or more)

6 = Higher education: Bachelor or equivalent (three years or more)

7 = Higher education: Master or equivalent (five years or more), second university degree; Candidate or Doctor degree

8 = Difficult to answer

9 = Not applicable

SQG-07

Question:

How far in your education do you expect to go?

1 = Finish <Lower secondary education—ISCED Level 2>

2 = Finish <Upper secondary education—ISCED Level 3>

3 = Finish <Post-secondary, non-tertiary education—ISCED Level 4>

4 = Finish <Short-cycle tertiary education—ISCED Level 5>

5 = Finish <Bachelor's or equivalent level—ISCED Level 6>

6 = Finish <Postgraduate degree: Master's—ISCED Level 7 or Doctor—ISCED Level 8>

Variable Name(s):

BSBG07

Country

Item ID

Code

Documentation

Cyprus

SQG-07

D

Nationally defined options:

1 = Lower secondary education

2 = Upper secondary education (general or vocational)

3 = Post-secondary, non-tertiary education

4 = Non-university diploma

5 = Bachelor's degree

6 = Postgraduate degree: Master's or Doctoral

Finland	SQG-07	D	<p>National options recoded for international comparability:</p> <p>1 = Lower secondary education</p> <p>2 = Upper secondary education academic or vocational</p> <p>3 = Special vocational education</p> <p>4 = Option not administered or data not available</p> <p>5 = Bachelor's or equivalent level (in polytechnic or university)</p> <p>6 = Postgraduate degree: Master's (in polytechnic or university) or licentiate or Doctor</p>
France	SQG-07	D	<p>Nationally defined options:</p> <p>1 = Lower secondary education</p> <p>2 = Baccalaureate level</p> <p>3 = Post-secondary, and pre-university level (law capacity, allowance to enter university level ...)</p> <p>4 = Short-cycle tertiary education (technical diploma ...)</p> <p>5 = Bachelor's or equivalent</p> <p>6 = Master or Doctorate</p>
Georgia	SQG-07	D	<p>Nationally defined options:</p> <p>1 = Basic level of general education (9 grades)</p> <p>2 = Secondary level of general education (12 grades)</p> <p>3 = Vocational school (based on 10-12 grade, e.g., college, proftechnicum)</p> <p>4 = Higher vocational school (proftechnicum)</p> <p>5 = First degree of higher education (Bachelor's)</p> <p>6 = Further degrees of higher education - Master's, Doctor's</p>
Hungary	SQG-07	D	<p>National options recoded for international comparability:</p> <p>1 = General school (grade 8)</p> <p>2 = Vocational school / Secondary vocational school with matura or grammar school with matura</p> <p>3 = Vocational programs based on Maturity examination</p> <p>4 = Accredited post secondary vocational programs (e.g., customs administrator, social insurance administrator)</p> <p>5 = College or university BA level</p> <p>6 = University or university MA level or education higher than these (e.g., PhD)</p>
Kazakhstan	SQG-07	D	<p>National options recoded for international comparability:</p> <p>1 = Lower secondary education (11th grade)</p> <p>2 = Upper secondary education</p> <p>3 = Technical and professional education / Post secondary education</p> <p>4 = Category not administered or data not available</p> <p>5 = Higher education (Bachelor)</p> <p>6 = Postgraduate education (Master's or Doctor)</p>

Lebanon	SQG-07	D	<p>Nationally defined options:</p> <p>1 = Cycle 3 of basic education (lower secondary education)</p> <p>2 = Cycle 4 or secondary education</p> <p>3 = Normal school, basic education (1 year after secondary cycle)</p> <p>4 = Normal school, middle education (2 years after secondary cycle)</p> <p>5 = First university cycle</p> <p>6 = Second or third university cycle (Master's, Doctorate or PhD)</p>
Lithuania	SQG-07	D	<p>National categories recoded for international comparability:</p> <p>1 = Lower secondary education</p> <p>2 = Upper secondary education</p> <p>3 = Vocational (already having secondary education)</p> <p>4 = Option not administered or data not available</p> <p>5 = Bachelor's (finish university) or vocational Bachelor (finish college) degree</p> <p>6 = Master's or Doctor's degree</p>
Morocco	SQG-07	D	<p>Nationally defined options:</p> <p>1 = Lower secondary school</p> <p>2 = Upper secondary school</p> <p>3 = Preparatory classes</p> <p>4 = Diploma of university studies</p> <p>5 = Bachelor's degree or equivalent</p> <p>6 = Master's degree or Doctorate</p>
Portugal	SQG-07	D	<p>National options recoded for international comparability:</p> <p>1 = 3rd cycle of education</p> <p>2 = Secondary education</p> <p>3 = Technological specialization course</p> <p>4 = Professional higher technical course</p> <p>5 = Bachelor's</p> <p>6 = Master's / Doctor</p>
Romania	SQG-07	D	<p>Nationally defined options:</p> <p>1 = Lower secondary education</p> <p>2 = Upper secondary education</p> <p>3 = Post-secondary, non-tertiary education</p> <p>4 = Short-cycle tertiary education</p> <p>5 = Bachelor's studies</p> <p>6 = Master's or Doctoral studies</p>

Russian Federation	SQG-07	D	<p>National options recoded for international comparability:</p> <p>1 = Basic general education (9 grades)</p> <p>2 = Secondary general education (11 grades)</p> <p>3 = Short-term course or program for secondary education or initial vocational education</p> <p>4 = Incomplete higher education (two years or more)</p> <p>5 = Higher education: Bachelor or equivalent (three years or more)</p> <p>6 = Higher education: Master or equivalent (five years or more) or second university degree; Candidate or Doctor degree</p>
Sweden	SQG-07	D	<p>Nationally defined options:</p> <p>1 = Elementary school</p> <p>2 = Secondary school</p> <p>3 = Tertiary education, not university college</p> <p>4 = Higher education up to 2 year (e.g., university college degree)</p> <p>5 = University or university college degree (e.g., Bachelor's degree 3 years)</p> <p>6 = University or university college degree (e.g., Master's degree 4-5 years or postgraduate education)</p>
Benchmarking Participants			
Moscow City, Russian Fed.	SQG-07	D	<p>National options recoded for international comparability:</p> <p>1 = Basic general education (9 grades)</p> <p>2 = Secondary general education (11 grades)</p> <p>3 = Short-time course or program on the base of secondary education, initial vocational education</p> <p>4 = Incomplete higher education: (two years or more)</p> <p>5 = Higher education: Bachelor or equivalent (three years or more)</p> <p>6 = Higher education: Master or equivalent (five years or more), second university degree; Candidate or Doctor degree</p>

SQG-08A-B

Question:

Were your <parents/guardians> born in <country>?

A: <Parent/Guardian A>

B: <Parent/Guardian B>

1 = Yes

2 = No

3 = I don't know

4 = Not applicable

Variable Name(s): BSBG08A, BSBG08B

Country	Item ID	Code	Documentation
Cyprus	SQG-08A	D	Father
Cyprus	SQG-08B	D	Mother
Finland	SQG-08A	D	Mother, stepmother, female guardian or Guardian A
Finland	SQG-08B	D	Father, stepfather, male guardian or Guardian B
France	SQG-08A	D	Mother (or stepmother or guardian)
France	SQG-08B	D	Father (or stepfather or guardian)
Georgia	SQG-08A	D	Mother or female guardian
Georgia	SQG-08B	D	Father or male guardian
Hungary	SQG-08A	D	Your mother (or your stepmother or your foster mother)
Hungary	SQG-08B	D	Your father (or your stepfather or your foster father)
Kazakhstan	SQG-08A	D	Father or guardian
Kazakhstan	SQG-08B	D	Mother or guardian
Lebanon	SQG-08A	D	Mother or stepmother or female guardian
Lebanon	SQG-08B	D	Father or stepfather or male guardian
Lithuania	SQG-08A	D	Mother (guardian)

Lithuania	SQG-08B	D	Father (guardian)
Morocco	SQG-08A-B	D	Parents or guardians
Morocco	SQG-08A	D	Mother of the child (or father's wife or Guardian B)
Morocco	SQG-08B	D	The father of the child (or stepfather or Guardian A)
Portugal	SQG-08A	D	Mother (or legal guardian)
Portugal	SQG-08B	D	Father (or legal guardian)
Russian Federation	SQG-08A	D	Mother (or female guardian)
Russian Federation	SQG-08B	D	Father (or male guardian)
Sweden	SQG-08A-B	D	Stem of the question changed: Was your mother (or other guardian) born in Sweden? / Was your father (or other guardian) born in Sweden?

Benchmarking Participants

Moscow City, Russian Fed.	SQG-08A	D	Mother (or female guardian)
Moscow City, Russian Fed.	SQG-08B	D	Father (or male guardian)

SQG-10

Question:

About how often are you absent from school?

- 1 = Once a week
- 2 = Once every two weeks
- 3 = Once a month
- 4 = Once every two months
- 5 = Never or almost never

Variable Name(s): BSBG10

Country	Item ID	Code	Documentation
Lithuania	SQG-10	D	Nationally defined options: 1 = Once a week 2 = Once every two weeks 3 = Once a month 4 = Once every two months 5 = I always or almost always go to school

SQM-20A-I

Question:

How much do you agree with these statements about mathematics?

- A: I think learning mathematics will help me in my daily life
- B: I need mathematics to learn other school subjects
- C: I need to do well in mathematics to get into the <university> of my choice
- D: I need to do well in mathematics to get the job I want
- E: I would like a job that involves using mathematics
- F: It is important to learn about mathematics to get ahead in the world
- G: Learning mathematics will give me more job opportunities when I am an adult
- H: My parents think that it is important that I do well in mathematics
- I: It is important to do well in mathematics

- 1 = Agree a lot
- 2 = Agree a little
- 3 = Disagree a little
- 4 = Disagree a lot

Variable Name(s): BSBM20A, BSBM20B, BSBM20C, BSBM20D, BSBM20E, BSBM20F, BSBM20G, BSBM20H, BSBM20I

Country	Item ID	Code	Documentation
Finland	SQM-20C	D	University or polytechnic
France	SQM-20C	D	High school
Morocco	SQM-20C	D	Institute or university
Romania	SQM-20C	D	Faculty
Sweden	SQM-20C	D	Education

SQSS-21

Question:

Are you studying biology in school this year?

1 = Yes

2 = No

Variable Name(s): BSBB21

Country	Item ID	Code	Documentation
France	SQSS-21	D	Stem of the question changed: Are you studying Life and Earth Sciences (LES) in school this year?
Lithuania	SQSS-21	D	Gang punched to "Yes"
Portugal	SQSS-21	D	Stem of the question changed: Are you studying Natural Sciences in school this year?

SQSS-22

Question:

In biology lessons, how often does your teacher ask you to conduct biology experiments?

1 = At least once a week

2 = Once or twice a month

3 = A few times a year

4 = Never

Variable Name(s): BSBB22

Country	Item ID	Code	Documentation
France	SQSS-22	D	Stem of the question changed: In Life and Earth Sciences (LES) lessons, how often does your teacher ask you to conduct Life and Earth Sciences (LES) experiments?

Lebanon	SQSS-22	D	Stem of the question changed: In biology lessons, how often does your teacher ask you to conduct Life and Earth Science (L.E.S.) experiments? (if ITLANG = 1) / In Life and Earth Science lessons, how often does your teacher ask you to conduct Life and Earth Science (L.E.S.) experiments? (if ITLANG = 3)
Portugal	SQSS-22	D	Stem of the question changed: In Natural Sciences lessons, how often does your teacher ask you to conduct Natural Sciences experiments?

SQSS-23A-I

Question:

How much do you agree with these statements about learning biology?

- A: I enjoy learning biology
- B: I wish I did not have to study biology
- C: Biology is boring
- D: I learn many interesting things in biology
- E: I like biology
- F: I look forward to learning biology in school
- G: Biology teaches me how things in the world work
- H: I like to conduct biology experiments
- I: Biology is one of my favorite subjects

- 1 = Agree a lot
- 2 = Agree a little
- 3 = Disagree a little
- 4 = Disagree a lot

Variable Name(s): BSBB23A, BSBB23B, BSBB23C, BSBB23D, BSBB23E, BSBB23F, BSBB23G, BSBB23H, BSBB23I

Country	Item ID	Code	Documentation
France	SQSS-23A-I	D	Stem of the question changed: How much do you agree with these statements about learning Life and Earth Sciences (LES)? 'Biology' replaced with 'Life and Earth Sciences (LES)' for all options.

Lebanon	SQSS-23A-I	D	Stem of the question changed: How much do you agree with these statements about learning Life and Earth Science (L.E.S.)? Biology replaced with Life and Early Sciences (L.E.S.) for all options.
Portugal	SQSS-23A-I	D	Stem of the question changed: How much do you agree with these statements about learning Natural Sciences? 'Biology' replaced with 'Natural Sciences' for all options

SQSS-24A-G

Question:

How much do you agree with these statements about your biology lessons?

- A: I know what my teacher expects me to do
- B: My teacher is easy to understand
- C: My teacher has clear answers to my questions
- D: My teacher is good at explaining biology
- E: My teacher does a variety of things to help us learn
- F: My teacher links new lessons to what I already know
- G: My teacher explains a topic again when we don't understand

- 1 = Agree a lot
- 2 = Agree a little
- 3 = Disagree a little
- 4 = Disagree a lot

Variable Name(s): BSBB24A, BSBB24B, BSBB24C, BSBB24D, BSBB24E, BSBB24F, BSBB24G

Country	Item ID	Code	Documentation
France	SQSS-24A-G	D	Stem of the question changed: How much do you agree with these statements about your Life and Earth Sciences (LES) lessons? 'Biology' replaced with 'Life and Earth Sciences (LES)' for all options.

Lebanon	SQSS-24A-G	D	Stem of the question changed: How much do you agree with these statements about your Life and Earth Science (L.E.S.) lessons? Biology replaced with Life and Earth Sciences (L.E.S.) for all options.
Portugal	SQSS-24A-G	D	Stem of the question changed: How much do you agree with these statements about your Natural Sciences lessons? 'Biology' replaced with 'Natural Sciences' for all options

SQSS-25A-H

Question:

How much do you agree with these statements about biology?

- A: I usually do well in biology
- B: Biology is more difficult for me than for many of my classmates
- C: Biology is not one of my strengths
- D: I learn things quickly in biology
- E: I am good at working out difficult biology problems
- F: My teacher tells me I am good at biology
- G: Biology is harder for me than any other subject
- H: Biology makes me confused

- 1 = Agree a lot
- 2 = Agree a little
- 3 = Disagree a little
- 4 = Disagree a lot

Variable Name(s): BSBB25A, BSBB25B, BSBB25C, BSBB25D, BSBB25E, BSBB25F, BSBB25G, BSBB25H

Country	Item ID	Code	Documentation
France	SQSS-25A-H	D	Stem of the question changed: How much do you agree with these statements about Life and Earth Sciences (LES)? 'Biology' replaced with 'Life and Earth Sciences (LES)' for all options

Lebanon	SQSS-25A-H	D	Stem of the question changed: How much do you agree with these statements about Life and Earth Science (L.E.S.)? Biology replaced with Life and Earth Sciences (L.E.S.) for all options.
Portugal	SQSS-25A-H	D	Stem of the question changed: How much do you agree with these statements about Natural Sciences? 'Biology' replaced with 'Natural Sciences' for all options

SQSS-26

Question:

Are you studying earth science in school this year?

1 = Yes

2 = No

Variable Name(s): BSBE26

Country	Item ID	Code	Documentation
Lebanon	SQSS-26	X	Question not administered or data not available
Lithuania	SQSS-26	D	Gang punched to "Yes"
Sweden	SQSS-26	X	Question not administered or data not available

SQSS-27

Question:

In earth science lessons, how often does your teacher ask you to conduct earth science experiments?

1 = At least once a week

2 = Once or twice a month

3 = A few times a year

4 = Never

Variable Name(s): BSBE27

Country	Item ID	Code	Documentation
Lebanon	SQSS-27	X	Question not administered or data not available
Sweden	SQSS-27	X	Question not administered or data not available

SQSS-28A-I

Question:

How much do you agree with these statements about learning earth science?

- A: I enjoy learning earth science
- B: I wish I did not have to study earth science
- C: Earth science is boring
- D: I learn many interesting things in earth science
- E: I like earth science
- F: I look forward to learning earth science in school
- G: Earth science teaches me how things in the world work
- H: I like to conduct earth science experiments
- I: Earth science is one of my favorite subjects

- 1 = Agree a lot
- 2 = Agree a little
- 3 = Disagree a little
- 4 = Disagree a lot

Variable Name(s): BSBE28A, BSBE28B, BSBE28C, BSBE28D, BSBE28E, BSBE28F, BSBE28G, BSBE28H, BSBE28I

Country	Item ID	Code	Documentation
Lebanon	SQSS-28A-I	X	Question not administered or data not available
Sweden	SQSS-28A-I	X	Question not administered or data not available

SQSS-29A-G

Question:

How much do you agree with these statements about your earth science lessons?

A: I know what my teacher expects me to do
 B: My teacher is easy to understand
 C: My teacher has clear answers to my questions
 D: My teacher is good at explaining earth science
 E: My teacher does a variety of things to help us learn
 F: My teacher links new lessons to what I already know
 G: My teacher explains a topic again when we don't understand

1 = Agree a lot
 2 = Agree a little
 3 = Disagree a little
 4 = Disagree a lot

Variable Name(s): BSBE29A, BSBE29B, BSBE29C, BSBE29D, BSBE29E, BSBE29F, BSBE29G

Country	Item ID	Code	Documentation
Lebanon	SQSS-29A-G	X	Question not administered or data not available
Sweden	SQSS-29A-G	X	Question not administered or data not available

SQSS-30A-H

Question:

How much do you agree with these statements about earth science?

- A: I usually do well in earth science
- B: Earth science is more difficult for me than for many of my classmates
- C: Earth science is not one of my strengths
- D: I learn things quickly in earth science
- E: I am good at working out difficult earth science problems
- F: My teacher tells me I am good at earth science
- G: Earth science is harder for me than any other subject
- H: Earth science makes me confused

- 1 = Agree a lot
- 2 = Agree a little
- 3 = Disagree a little
- 4 = Disagree a lot

Variable Name(s): BSBE30A, BSBE30B, BSBE30C, BSBE30D, BSBE30E, BSBE30F, BSBE30G, BSBE30H

Country	Item ID	Code	Documentation
Lebanon	SQSS-30A-H	X	Question not administered or data not available
Sweden	SQSS-30A-H	X	Question not administered or data not available

SQSS-31

Question:

Are you studying chemistry in school this year?

- 1 = Yes
- 2 = No

Variable Name(s): BSBC31

Country	Item ID	Code	Documentation
France	SQSS-31	D	Stem of the question changed: Are you studying Physics-Chemistry in school this year?

Lithuania	SQSS-31	D	Gang punched to "Yes"
Portugal	SQSS-31	D	Stem of the question changed: Are you studying Physics-Chemistry in school this year?

SQSS-32

Question:

In chemistry lessons, how often does your teacher ask you to conduct chemistry experiments?

- 1 = At least once a week
- 2 = Once or twice a month
- 3 = A few times a year
- 4 = Never

Variable Name(s): BSBC32

Country	Item ID	Code	Documentation
France	SQSS-32	D	Stem of the question changed: In Physics-Chemistry lessons, how often does your teacher ask you to conduct Physics-Chemistry experiments?
Portugal	SQSS-32	D	Stem of the question changed: In Physics-Chemistry lessons, how often does your teacher ask you to conduct Physics-Chemistry experiments?

SQSS-33A-I

Question:

How much do you agree with these statements about learning chemistry?

- A: I enjoy learning chemistry
- B: I wish I did not have to study chemistry
- C: Chemistry is boring
- D: I learn many interesting things in chemistry
- E: I like chemistry
- F: I look forward to learning chemistry in school
- G: Chemistry teaches me how things in the world work
- H: I like to conduct chemistry experiments
- I: Chemistry is one of my favorite subjects

- 1 = Agree a lot
- 2 = Agree a little
- 3 = Disagree a little
- 4 = Disagree a lot

Variable Name(s): BSBC33A, BSBC33B, BSBC33C, BSBC33D, BSBC33E, BSBC33F, BSBC33G, BSBC33H, BSBC33I

Country	Item ID	Code	Documentation
France	SQSS-33A-I	D	Stem of the question changed: How much do you agree with these statements about learning Physics-Chemistry? 'Chemistry' replaced with 'Physics-Chemistry' for all options
Portugal	SQSS-33A-I	D	Stem of the question changed: How much do you agree with these statements about learning Physics-Chemistry? 'Chemistry' replaced with 'Physics-Chemistry' for all options

SQSS-34A-G

Question:

How much do you agree with these statements about your chemistry lessons?

- A: I know what my teacher expects me to do
- B: My teacher is easy to understand
- C: My teacher has clear answers to my questions
- D: My teacher is good at explaining chemistry
- E: My teacher does a variety of things to help us learn
- F: My teacher links new lessons to what I already know
- G: My teacher explains a topic again when we don't understand

- 1 = Agree a lot
- 2 = Agree a little
- 3 = Disagree a little
- 4 = Disagree a lot

Variable Name(s): BSBC34A, BSBC34B, BSBC34C, BSBC34D, BSBC34E, BSBC34F, BSBC34G

Country	Item ID	Code	Documentation
France	SQSS-34A-G	D	<p>Stem of the question changed: How much do you agree with these statements about your Physics-Chemistry lessons?</p> <p>'Chemistry' replaced with 'Physics-Chemistry' for all options</p>
Portugal	SQSS-34A-G	D	<p>Stem of the question changed: How much do you agree with these statements about your Physics-Chemistry lessons?</p> <p>'Chemistry' replaced with 'Physics-Chemistry' for all options</p>

SQSS-35A-H

Question:

How much do you agree with these statements about chemistry?

- A: I usually do well in chemistry
- B: Chemistry is more difficult for me than for many of my classmates
- C: Chemistry is not one of my strengths
- D: I learn things quickly in chemistry
- E: I am good at working out difficult chemistry problems
- F: My teacher tells me I am good at chemistry
- G: Chemistry is harder for me than any other subject
- H: Chemistry makes me confused

- 1 = Agree a lot
- 2 = Agree a little
- 3 = Disagree a little
- 4 = Disagree a lot

Variable Name(s): BSBC35A, BSBC35B, BSBC35C, BSBC35D, BSBC35E, BSBC35F, BSBC35G, BSBC35H

Country	Item ID	Code	Documentation
France	SQSS-35A-H	D	Stem of the question changed: How much do you agree with these statements about Physics-Chemistry? 'Chemistry' replaced with 'Physics-Chemistry' for all options
Portugal	SQSS-35A-H	D	Stem of the question changed: How much do you agree with these statements about Physics-Chemistry? 'Chemistry' replaced with 'Physics-Chemistry' for all options

SQSS-36

Question:

Are you studying physics in school this year?

1 = Yes

2 = No

Variable Name(s): BSBP36

Country	Item ID	Code	Documentation
Lithuania	SQSS-36	D	Gang punched to "Yes"

SQSS-41A-I

Question:

How much do you agree with these statements about science (including biology, earth science, chemistry, and physics)?

A: I think learning science will help me in my daily life

B: I need science to learn other school subjects

C: I need to do well in science to get into the <university> of my choice

D: I need to do well in science to get the job I want

E: I would like a job that involves using science

F: It is important to learn about science to get ahead in the world

G: Learning science will give me more job opportunities when I am an adult

H: My parents think that it is important that I do well in science

I: It is important to do well in science

1 = Agree a lot

2 = Agree a little

3 = Disagree a little

4 = Disagree a lot

Variable Name(s): BSBS41A, BSBS41B, BSBS41C, BSBS41D, BSBS41E, BSBS41F, BSBS41G, BSBS41H, BSBS41I

Country	Item ID	Code	Documentation
Finland	SQSS-41C	D	University or polytechnic
France	SQSS-41C	D	High School

Georgia	SQSS-41C	D	I need to do well in science subjects to continue studying at a higher education institution of my choice.
Morocco	SQSS-41C	D	Institute or university
Romania	SQSS-41C	D	Faculty
Sweden	SQSS-41A-I	D	Stem of the question changed: How much do you agree with these statements about science (including Biology, Chemistry, and Physics)?
Sweden	SQSS-41C	D	Education

SQSS-42AA-AE

Question:

How often does your teacher give you homework in each of the following subjects?

- A: Mathematics
- B: Biology
- C: Earth science
- D: Chemistry
- E: Physics

- 1 = Every day
- 2 = 3 or 4 times a week
- 3 = 1 or 2 times a week
- 4 = Less than once a week
- 5 = Never

Variable Name(s): BSBM42AA, BSBB42AB, BSBE42AC, BSBC42AD, BSBP42AE

Country	Item ID	Code	Documentation
France	SQSS-42AB	D	Life and Earth Sciences
France	SQSS-42AC	X	Option not administered or data not available
France	SQSS-42AD	D	Physics-Chemistry
France	SQSS-42AE	X	Option not administered or data not available
Lebanon	SQSS-42AB	D	Life and Earth Sciences
Lebanon	SQSS-42AC	X	Option not administered or data not available

Portugal	SQSS-42AB	D	Natural Sciences
Portugal	SQSS-42AC	X	Option not administered or data not available
Portugal	SQSS-42AD	D	Physics-Chemistry
Portugal	SQSS-42AE	X	Option not administered or data not available
Sweden	SQSS-42AC	X	Option not administered or data not available

SQSS-42BA-BE

Question:

When your teacher gives you homework in each of the following subjects, about how many minutes do you usually spend on your homework?

- A: Mathematics
- B: Biology
- C: Earth science
- D: Chemistry
- E: Physics

- 1 = My teacher never gives me homework in...
- 2 = 1-15 minutes
- 3 = 16-30 minutes
- 4 = 31-60 minutes
- 5 = 61-90 minutes
- 6 = More than 90 minutes

Variable Name(s): BSBM42BA, BSBB42BB, BSBE42BC, BSBC42BD, BSBP42BE

Country	Item ID	Code	Documentation
France	SQSS-42BB	D	Life and Earth Sciences
France	SQSS-42BC	X	Option not administered or data not available
France	SQSS-42BD	D	Physics-Chemistry
France	SQSS-42BE	X	Option not administered or data not available
Lebanon	SQSS-42BB	D	Life and Earth Sciences
Lebanon	SQSS-42BC	X	Option not administered or data not available
Portugal	SQSS-42BB	D	Natural Sciences

Portugal	SQSS-42BC	X	Option not administered or data not available
Portugal	SQSS-42BD	D	Physics-Chemistry
Portugal	SQSS-42BE	X	Option not administered or data not available
Sweden	SQSS-42BC	X	Option not administered or data not available

SQSS-43AA-AB

Question:

During the last 12 months, have you attended extra lessons or tutoring not provided by the school in the following subjects?

A: Mathematics

B: Science (including biology, earth science, chemistry, and physics)

1 = Yes, to excel in class

2 = Yes, to keep up in class

3 = No

Variable Name(s): BSBM43AA, BSBS43AB

Country	Item ID	Code	Documentation
France	SQSS-43AB	D	Sciences (including Physics, Chemistry and Earth and Life Science)
Lebanon	SQSS-43AB	D	Science (including L.E.S., Chemistry, and Physics)
Portugal	SQSS-43AB	D	Sciences (including Natural Sciences and Physics-Chemistry)
Sweden	SQSS-43AB	X	Option not administered or data not available

SQSS-43BA-BB

Question:

For how many of the last 12 months have you attended extra lessons or tutoring?

A: Mathematics

B: Science (including biology, earth science, chemistry, and physics)

1 = Did not attend

2 = Less than 4 months

3 = 4-8 months

4 = More than 8 months

Variable Name(s): BSBM43BA, BSBS43BB

Country	Item ID	Code	Documentation
France	SQSS-43BB	D	Sciences (including Physics, Chemistry and Earth and Life Science)
Lebanon	SQSS-43BB	D	Science (including L.E.S., Chemistry, and Physics)
Portugal	SQSS-43BB	D	Sciences (including Natural Sciences and Physics-Chemistry)
Sweden	SQSS-43BB	X	Option not administered or data not available



SECTION 2.3: **TEACHER** **QUESTIONNAIRE** **GRADE 8**

TIMSS 2019 USER GUIDE FOR THE
INTERNATIONAL DATABASE



IEA

TIMSS & PIRLS
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BOSTON COLLEGE

TQG-04

Question:

What is the highest level of formal education you have completed?

- 1 = Did not complete <Upper secondary education—ISCED Level 3>
- 2 = <Upper secondary education—ISCED Level 3>
- 3 = <Post-secondary, non-tertiary education—ISCED Level 4>
- 4 = <Short-cycle tertiary education—ISCED Level 5>
- 5 = <Bachelor's or equivalent level—ISCED Level 6>
- 6 = <Master's or equivalent level—ISCED Level 7>
- 7 = <Doctor or equivalent level—ISCED Level 8>

Variable Name(s): BTBG04

Country	Item ID	Code	Documentation
Australia	TQG-04	D	National options recoded for international comparability: 1 = Option not administered or data not available 2 = Option not administered or data not available 3 = Option not administered or data not available 4 = TAFE or college diploma 5 = Undergraduate or Bachelor's degree / Graduate or postgraduate diploma 6 = Master's degree 7 = PhD or Doctorate
Bahrain	TQG-04	D	National options recoded for international comparability: 1 = Did not complete secondary education 2 = Secondary education 3 = Diploma 4 = Option not administered or data not available 5 = Bachelor's 6 = Master's 7 = PhD
Chile	TQG-04	D	National options recoded for international comparability: 1 = Did not complete upper secondary education 2 = Upper secondary education 3 = Option not administered or data not available 4 = Short cycle tertiary education in a professional institute or center for vocational development 5 = Post secondary education in university 6 = Master's degree 7 = Doctorate

Chinese Taipei	TQG-04	D	<p>National options recoded for international comparability:</p> <p>1 = Did not finish senior high school or vocational school program</p> <p>2 = Senior high school or vocational school program</p> <p>3 = Junior college or two-year college program</p> <p>4 = Option not administered or data not available</p> <p>5 = Two-year college of technology or four-year college of technology program / University program</p> <p>6 = Master's program</p> <p>7 = PhD program</p>
Cyprus	TQG-04	D	<p>National options recoded for international comparability:</p> <p>1 = Option not administered or data not available</p> <p>2 = Option not administered or data not available</p> <p>3 = Option not administered or data not available</p> <p>4 = Non-university diploma</p> <p>5 = Bachelor's</p> <p>6 = Master's</p> <p>7 = Doctor</p>
Egypt	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Didn't finish secondary education</p> <p>2 = Secondary education</p> <p>3 = Post-secondary education - non-higher education</p> <p>4 = Intermediate institutes of higher education</p> <p>5 = Bachelor's degree or equivalent</p> <p>6 = Master's degree or equivalent</p> <p>7 = Doctor's degree or equivalent</p>
England	TQG-04	D	<p>National options recoded for international comparability:</p> <p>1 = Did not complete A level or equivalent</p> <p>2 = A level or equivalent level 3 qualification</p> <p>3 = Option not administered or data not available</p> <p>4 = Post-secondary, non-tertiary education (e.g., HND)</p> <p>5 = Bachelor's degree or equivalent level / PGCE</p> <p>6 = Master's degree or equivalent</p> <p>7 = Doctorate (PhD)</p>
Finland	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete upper secondary degree, academic or vocational</p> <p>2 = Upper secondary degree, academic or vocational</p> <p>3 = Special vocational degree</p> <p>4 = Higher vocational degree</p> <p>5 = Lower degree at the polytechnic or university</p> <p>6 = Higher degree at the polytechnic or university</p> <p>7 = Post-graduate degree at the university (licentiate or Doctor)</p>

France	TQG-04	D	Nationally defined options: 1 = Did not complete upper secondary education 2 = Baccalaureate 3 = Post-secondary access diploma 4 = Short-cycle tertiary education 5 = Bachelor's or equivalent level 6 = Master's or equivalent level 7 = Doctor or equivalent level
Georgia	TQG-04	D	Nationally defined options: 1 = Did not complete general education (before grades 10-12) 2 = Full level of general education (grades 10-12) 3 = Vocational school (based on grades 10-12, e.g., college, proftechnicum) 4 = Higher vocational school (proftechnicum) 5 = First degree higher education (Bachelor's) 6 = Further degrees of higher education (Master's, 5-year education prior to 2005 equivalent to Master's) 7 = Scientific degree (e.g., Candidate's or Doctor's)
Hong Kong SAR	TQG-04	D	Nationally defined options: 1 = Did not complete senior secondary education 2 = Senior secondary education 3 = Vocational training after senior secondary education 4 = Certificate in Education (awarded by the Institute of Education or former Colleges of Education), a diploma or an Associate degree 5 = Bachelor's degree 6 = Master's degree 7 = Doctoral degree
Hungary	TQG-04	D	Nationally defined options: 1 = I did not finish general school 2 = Secondary vocational school with matura or grammar school with matura 3 = Vocational programs (usually two years) based on maturity examination 4 = Accredited post secondary vocational programs 5 = College, or university BA level 6 = University, or university MA level 7 = Higher than university or university MA level (e.g., PhD, university post-graduate program)

Iran, Islamic Rep. of	TQG-04	D	<p>Nationally defined options:</p> <ul style="list-style-type: none"> 1 = Did not complete upper secondary education 2 = Upper secondary education 3 = Post-secondary, non-tertiary education 4 = Associated diploma 5 = Bachelor's or equivalent level 6 = Master's or equivalent level 7 = Doctor or equivalent level
Ireland	TQG-04	D	<p>Nationally defined options:</p> <ul style="list-style-type: none"> 1 = Did not complete Leaving Certificate 2 = Leaving Certificate 3 = Post-Leaving Cert. (PLC) course or similar 4 = Third level certificate or diploma 5 = University degree (e.g., Bachelor's) 6 = Masters' degree or equivalent 7 = Doctorate or equivalent
Israel	TQG-04	D	<p>Nationally defined options:</p> <ul style="list-style-type: none"> 1 = Did not completed high-school 2 = High-school 3 = Preparatory program school (such as pre-academic preparatory program school) 4 = Post-secondary post-certification studies (such as teacher's certificate not including B.Ed.) 5 = Bachelor degree (such as B.A., B.Ed., B.Sc.) 6 = Master degree 7 = Doctor degree
Italy	TQG-04	D	<p>Nationally defined options:</p> <ul style="list-style-type: none"> 1 = Did not complete upper secondary education 2 = Upper secondary education (secondary school) 3 = Post-secondary degree, non-tertiary education 4 = First level degree tertiary education 5 = Second level degree tertiary education 6 = Master's or equivalent level 7 = Doctor or equivalent level
Japan	TQG-04	D	<p>Nationally defined options:</p> <ul style="list-style-type: none"> 1 = Did not complete the upper secondary school 2 = Upper secondary school 3 = Advanced course of upper secondary school 4 = Junior college, college of technology, or specialized training college (post-secondary course) 5 = University or college 6 = Master's programs of graduate school or professional graduate school 7 = Doctoral programs of graduate school

Jordan	TQG-04	D	Nationally defined options: 1 = Did not complete secondary education 2 = Secondary education 3 = Vocational centers 4 = Community college diploma 5 = Bachelor's or equivalent level 6 = Master's or equivalent level 7 = Doctor or equivalent level
Kazakhstan	TQG-04	D	National options recoded for international comparability: 1 = Did not complete upper secondary education 2 = Upper secondary education 3 = Technical and professional education / Post secondary education 4 = Category not administered or data not available 5 = Higher education (Bachelor) 6 = Graduate education (Master) 7 = Doctor PhD
Korea, Rep. of	TQG-04	D	National options recoded for international comparability: 1 = Did not complete high school 2 = High school 3 = Option not administered or data not available 4 = College 5 = University 6 = Graduate school for Master's degree 7 = Graduate school for Doctoral degree
Kuwait	TQG-04	D	Nationally defined options: 1 = Did not complete upper secondary education 2 = Upper secondary education 3 = Post-secondary education (Diploma) 4 = Short-cycle tertiary education 5 = Bachelor's or equivalent level 6 = Master's or equivalent level 7 = Doctor or equivalent level
Lebanon	TQG-04	D	Nationally defined options: 1 = Did not complete cycle 4 or secondary education 2 = Cycle 4 or secondary education 3 = Normal school or vocational school or university (1 year at university) 4 = Normal school or vocational school or university (2 years at university) 5 = Bachelor's or equivalent level 6 = Master's or equivalent level 7 = Doctor or equivalent level

Lithuania	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Not completed secondary</p> <p>2 = Secondary</p> <p>3 = Vocational (already having secondary education)</p> <p>4 = Further (finished further education school, technical school)</p> <p>5 = Bachelor's or vocational Bachelor degree</p> <p>6 = Master's or higher degree</p> <p>7 = Doctor's or higher degree</p>
Malaysia	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete upper secondary (SPM or STPM or Matriculation)</p> <p>2 = Upper secondary (SPM or STPM or Matriculation)</p> <p>3 = Certificate (institute or skills training)</p> <p>4 = Diploma (higher education)</p> <p>5 = Bachelor's or equivalent</p> <p>6 = Master's or equivalent</p> <p>7 = Doctor or equivalent</p>
Morocco	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete upper secondary education</p> <p>2 = Secondary education qualification</p> <p>3 = Preparatory sections</p> <p>4 = Diploma university studies</p> <p>5 = Certificate of license or equivalent</p> <p>6 = Certificate of Master or equivalent</p> <p>7 = Doctorate degree or equivalent</p>
New Zealand	TQG-04	D	<p>National options recoded for international comparability:</p> <p>1 = Option not administered or data not available</p> <p>2 = Option not administered or data not available</p> <p>3 = Option not administered or data not available</p> <p>4 = College of Education diploma or other national or vocational diploma</p> <p>5 = Bachelor's degree</p> <p>6 = Bachelor's Honors, Postgraduate diploma, or Master's degree</p> <p>7 = PhD</p>

Norway	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete upper secondary school</p> <p>2 = Upper secondary school</p> <p>3 = Education beyond upper secondary school, but not in universities or university colleges</p> <p>4 = University or university college education, 1-2 years</p> <p>5 = University or university college, at least 3 years (Bachelor's degree, cand.mag or equivalent)</p> <p>6 = University or university college, at least 5 years (Master's degree or equivalent)</p> <p>7 = PhD</p>
Oman	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete upper secondary education</p> <p>2 = Upper secondary education</p> <p>3 = Post-secondary, non-tertiary education</p> <p>4 = Tertiary Education Diploma</p> <p>5 = Bachelor's or equivalent level</p> <p>6 = Master's or equivalent level</p> <p>7 = Doctor or equivalent level</p>
Portugal	TQG-04	D	<p>National options recoded for international comparability:</p> <p>1 = Option not administered or data not available</p> <p>2 = Option not administered or data not available</p> <p>3 = Option not administered or data not available</p> <p>4 = Short-cycle tertiary education</p> <p>5 = Bachelor's</p> <p>6 = Master's</p> <p>7 = Doctor</p>
Qatar	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete secondary education</p> <p>2 = Secondary education</p> <p>3 = Post-secondary, non-tertiary education</p> <p>4 = Diploma (short-cycle tertiary education, before university)</p> <p>5 = Bachelor's degree or equivalent level</p> <p>6 = Master's degree or equivalent level</p> <p>7 = PhD or equivalent level</p>
Romania	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete upper secondary education</p> <p>2 = Upper secondary education</p> <p>3 = Post-secondary education</p> <p>4 = Short-cycle tertiary education</p> <p>5 = Bachelor's degree</p> <p>6 = Master's degree</p> <p>7 = Doctor degree</p>

Russian Federation	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Basic general education</p> <p>2 = Secondary general education</p> <p>3 = Short-term course or program for secondary education or initial vocational education</p> <p>4 = Incomplete higher education (two years or more)</p> <p>5 = Higher education: Bachelor or equivalent (three years or more)</p> <p>6 = Higher education: Master or equivalent (five years or more) or second university degree</p> <p>7 = Candidate or Doctor degree</p>
Saudi Arabia	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete upper secondary education</p> <p>2 = Upper secondary education</p> <p>3 = Post-secondary, non-tertiary</p> <p>4 = Short-cycle tertiary education Level</p> <p>5 = Bachelor's or equivalent level</p> <p>6 = Master's or equivalent level</p> <p>7 = Doctor or equivalent level</p>
Singapore	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete upper secondary</p> <p>2 = Upper secondary</p> <p>3 = Post-secondary non-tertiary (e.g., JC, CI, ITE)</p> <p>4 = Polytechnic</p> <p>5 = University Bachelor's degree</p> <p>6 = Master's degree</p> <p>7 = Doctoral (e.g., PhD) degree</p>
South Africa	TQG-04	D	<p>National options recoded for international comparability:</p> <p>1 = Did not complete Grade 12</p> <p>2 = Grade 12</p> <p>3 = Post-matric certificate</p> <p>4 = Diploma</p> <p>5 = First degree / Honors degree</p> <p>6 = Master's degree</p> <p>7 = Doctoral degree</p>

Sweden	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete secondary school</p> <p>2 = Secondary school</p> <p>3 = Tertiary education, not university college</p> <p>4 = Higher education up to 2 years (e.g., university college degree)</p> <p>5 = University or university college degree (e.g., Bachelor's degree)</p> <p>6 = University or university college degree (e.g., Master's degree)</p> <p>7 = Postgraduate education</p>
Turkey	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete high school</p> <p>2 = High school</p> <p>3 = Vocational courses after high school</p> <p>4 = Two-year degree</p> <p>5 = Bachelor's degree</p> <p>6 = Master's degree</p> <p>7 = Doctor</p>
United Arab Emirates	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete Cycle 3 (Grade 10 or Year 11 - Grade 12 or Year 13)</p> <p>2 = Cycle 3 (Grade 10 or Year 11 - Grade 12 or Year 13)</p> <p>3 = Technical education or vocational training course</p> <p>4 = College diploma</p> <p>5 = Bachelor's degree</p> <p>6 = Master's degree (e.g., Master of Arts degree or M.Sc.)</p> <p>7 = Doctoral degree (e.g., Ph.D. or Ed.D.)</p>
United States	TQG-04	D	<p>National options recoded for international comparability:</p> <p>1 = Did not complete high school</p> <p>2 = High school graduate</p> <p>3 = Option not administered or data not available</p> <p>4 = Associate's degree (2-year college program)</p> <p>5 = Bachelor's degree (4-year college program)</p> <p>6 = Master's degree or professional degree (MD, DDS, lawyer, minister)</p> <p>7 = Doctorate (Ph.D., Ed.D.)</p>

Benchmarking Participants

Ontario, Canada	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete high school</p> <p>2 = High school</p> <p>3 = College or cégep (three-year vocational training), registered apprenticeship, trade certificate</p> <p>4 = College or cégep (two-year pre-university)</p> <p>5 = Bachelor's degree</p> <p>6 = Master's degree</p> <p>7 = Doctoral degree</p>
Quebec, Canada	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete high school</p> <p>2 = High school</p> <p>3 = College or cégep (three-year vocational training), registered apprenticeship, trade certificate</p> <p>4 = College or cégep (two-year pre-university)</p> <p>5 = Bachelor's degree</p> <p>6 = Master's degree</p> <p>7 = Doctoral degree</p>
Moscow City, Russian Fed.	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Basic general education</p> <p>2 = Secondary general education</p> <p>3 = Short-time course or program on the base of secondary education, initial vocational education</p> <p>4 = Incomplete higher education: (two years or more)</p> <p>5 = Higher education: Bachelor or equivalent (three years or more)</p> <p>6 = Higher education: Master or equivalent (five years or more), second university degree</p> <p>7 = Candidate or Doctor degree</p>
Gauteng, RSA	TQG-04	D	<p>National options recoded for international comparability:</p> <p>1 = Did not complete Grade 12</p> <p>2 = Grade 12</p> <p>3 = Post-matric certificate</p> <p>4 = Diploma</p> <p>5 = First degree / Honors degree</p> <p>6 = Master's degree</p> <p>7 = Doctoral degree</p>

Western Cape, RSA	TQG-04	D	<p>National options recoded for international comparability:</p> <p>1 = Did not complete Grade 12</p> <p>2 = Grade 12</p> <p>3 = Post-matric certificate</p> <p>4 = Diploma</p> <p>5 = First degree / Honors degree</p> <p>6 = Master's degree</p> <p>7 = Doctoral degree</p>
Abu Dhabi, UAE	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete Cycle 3 (Grade 10 or Year 11 - Grade 12 or Year 13)</p> <p>2 = Cycle 3 (Grade 10 or Year 11 - Grade 12 or Year 13)</p> <p>3 = Technical education or vocational training course</p> <p>4 = College diploma</p> <p>5 = Bachelor's degree</p> <p>6 = Master's degree (e.g., Master of Arts degree, M.Sc.)</p> <p>7 = Doctoral degree (e.g., Ph.D. or Ed.D.)</p>
Dubai, UAE	TQG-04	D	<p>Nationally defined options:</p> <p>1 = Did not complete Cycle 3 (Grade 10 or Year 11 - Grade 12 or Year 13)</p> <p>2 = Cycle 3 (Grade 10 or Year 11 - Grade 12 or Year 13)</p> <p>3 = Technical education or vocational training course</p> <p>4 = College diploma</p> <p>5 = Bachelor's degree</p> <p>6 = Master's degree (e.g., Master of Arts degree, M.Sc.)</p> <p>7 = Doctoral degree (e.g., Ph.D. or Ed.D.)</p>

TQG-05A-I

Question:

During your <post-secondary> education, what was your major or main area(s) of study?

- A: Mathematics
- B: Biology
- C: Physics
- D: Chemistry
- E: <Earth Science>
- F: Education–Mathematics
- G: Education–Science
- H: Education–General
- I: Other

1 = Yes

2 = No

Variable Name(s): BTBG05A, BTBG05B, BTBG05C, BTBG05D, BTBG05E, BTBG05F, BTBG05G, BTBG05H, BTBG05I

Country	Item ID	Code	Documentation
Chile	TQG-05A-I	D	Higher education
Chile	TQG-05E	D	Earth Sciences or Geoscience
Chinese Taipei	TQG-05A-I	D	College education
Cyprus	TQG-05A-I	D	Tertiary (if ITLANG = 44) / Post-secondary (if ITLANG = 1)
England	TQG-05E	X	Option not administered or data not available
Finland	TQG-05E	D	Geography
France	TQG-05E	D	Geology
Georgia	TQG-05E	D	Physical Geography (Earth Science)
Hong Kong SAR	TQG-05E	D	Earth Science or Geography
Hungary	TQG-05G	D	Education - Biology / Education - Physics / Education - Chemistry / Education - Earth Science
Ireland	TQG-05A-I	D	Third-level

Ireland	TQG-05E	D	Earth Science (e.g., Geology, Meteorology, Hydrology)
Israel	TQG-05E	D	Earth and Universe Science
Kazakhstan	TQG-05E	D	Geography
Korea, Rep. of	TQG-05A-I	D	Tertiary
Lebanon	TQG-05A-I	D	University studies
Lebanon	TQG-05B	D	Life and Earth Sciences
Lebanon	TQG-05E	X	Option not administered or data not available
Lithuania	TQG-05A-I	D	Stem of the question changed: What was your major or main area(s) of study?
Lithuania	TQG-05E	D	Geography
New Zealand	TQG-05B	D	Biology (including Botany, Zoology)
New Zealand	TQG-05E	D	Geology, Physical Geography, Earth Science
Norway	TQG-05A-I	D	Stem of the question changed: In what subjects do you have 60 credit points or more from university or university college? (60 credit points = 20 old credit points = 1 year of full study)
Portugal	TQG-05A-I	D	Higher education
Portugal	TQG-05E	D	Geology
Qatar	TQG-05E	D	Earth Science or Geology
Singapore	TQG-05E	D	Geography
South Africa	TQG-05A-I	D	Tertiary
South Africa	TQG-05E	D	Earth or Environmental Science
Sweden	TQG-05E	D	Physical Geography and Geo Science
Turkey	TQG-05A-I	D	Higher education
United States	TQG-05A-I	D	College or university

Benchmarking Participants

Moscow City, Russian Fed.	TQG-05A-I	D	Stem of the question changed: What was your major or main area(s) of study?
Gauteng, RSA	TQG-05A-I	D	Tertiary
Gauteng, RSA	TQG-05E	D	Earth or Environmental Science
Western Cape, RSA	TQG-05A-I	D	Tertiary
Western Cape, RSA	TQG-05E	D	Earth or Environmental Science

TQG-09A-H

Question:

Indicate the extent to which you agree or disagree with each of the following statements.

- A: There are too many students in the classes
- B: I have too much material to cover in class
- C: I have too many teaching hours
- D: I need more time to prepare for class
- E: I need more time to assist individual students
- F: I feel too much pressure from parents
- G: I have difficulty keeping up with all of the changes to the curriculum
- H: I have too many administrative tasks

- 1 = Agree a lot
- 2 = Agree a little
- 3 = Disagree a little
- 4 = Disagree a lot

Variable Name(s): BTBG09A, BTBG09B, BTBG09C, BTBG09D, BTBG09E, BTBG09F, BTBG09G, BTBG09H

Country	Item ID	Code	Documentation
Singapore	TQG-09A-H	X	Question not administered or data not available

TQG-11

Question:

How many <eighth grade> students experience difficulties understanding spoken <language of test>?

Variable Name(s): BTBG11

Country	Item ID	Code	Documentation
Bahrain	TQG-11	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Cyprus	TQG-11	D	Greek (if ITLANG = 44) / English (if ITLANG = 1)
Finland	TQG-11	D	Finnish (if ITLANG = 43) / Swedish (if ITLANG = 32)
Hong Kong SAR	TQG-11	D	English (if ITLANG = 1) / Chinese (if ITLANG = 10)
Hungary	TQG-11	D	Stem of the question changed: How many students experience difficulties understanding spoken Hungarian?
Ireland	TQG-11	D	Stem of the question changed: How many students in this class experience difficulties understanding spoken English?
Israel	TQG-11	D	Stem of the question changed: How many students of this class experience difficulties understanding spoken Hebrew? (if ITLANG = 16) / How many students of this class experience difficulties understanding spoken Arabic? (if ITLANG = 53)
Kazakhstan	TQG-11	D	Kazakh (if ITLANG = 39) / Russian (if ITLANG = 29)
Kuwait	TQG-11	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Lebanon	TQG-11	D	English (if ITLANG = 1) / French (if ITLANG = 3)
Lithuania	TQG-11	D	Language taught
Malaysia	TQG-11	D	Malay or English language
Morocco	TQG-11	D	Arabic (if ITLANG = 53) / Not administered (if ITLANG = 3)
Norway	TQG-11	D	Stem of the question changed: How many students in this class experience difficulties understanding spoken Norwegian?

Oman	TQG-11	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Qatar	TQG-11	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Saudi Arabia	TQG-11	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
South Africa	TQG-11	D	English (if ITLANG = 1) / Afrikaans (if ITLANG = 4)
United Arab Emirates	TQG-11	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)

Benchmarking Participants

Ontario, Canada	TQG-11	D	English (if ITLANG = 1) / French (if ITLANG = 3)
Quebec, Canada	TQG-11	D	English (if ITLANG = 1) / French (if ITLANG = 3)
Gauteng, RSA	TQG-11	D	English (if ITLANG = 1) / Afrikaans (if ITLANG = 4)
Western Cape, RSA	TQG-11	D	English (if ITLANG = 1) / Afrikaans (if ITLANG = 4)
Abu Dhabi, UAE	TQG-11	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Dubai, UAE	TQG-11	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)

TQM-14

Question:

In a typical week, how much time do you spend teaching mathematics to the students in this class?

Variable Name(s): BTBM14

Country	Item ID	Code	Documentation
Israel	TQM-14	D	Stem of the question changed: In a typical week, how many teaching hours (lessons) do you spend teaching mathematics to the students in this class? / How long is a typical lesson in this class?

TQM-18

Question:

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when the students in this class have been taught each topic. If a topic was in the curriculum before the <eighth grade>, please choose “Mostly taught before this year.” If a topic was taught half this year but not yet completed, please choose “Mostly taught this year.” If a topic is not in the curriculum, please choose “Not yet taught or just introduced.”

1 = Mostly taught before this year
2 = Mostly taught this year
3 = Not yet taught or just introduced

Variable Name(s): BTBM18AA-AC, BTBM18BA-BG, BTBM18CA-CF, BTBM18DA-DF

Country	Item ID	Code	Documentation
Norway	TQM-18	D	<p>Stem of the question changed: The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when the students in this class have been taught each topic.</p> <p>National options recoded for international comparability: 1 = Mostly taught before this year 2 = Mostly taught this year 3 = Just introduced / Not (yet) taught</p>

TQM-18DA-DF

Question:

The following list includes the main topics addressed by the TIMSS mathematics test. Choose the response that best describes when the students in this class have been taught each topic. If a topic was in the curriculum before the <eighth grade>, please choose "Mostly taught before this year." If a topic was taught half this year but not yet completed, please choose "Mostly taught this year." If a topic is not in the curriculum, please choose "Not yet taught or just introduced."

Data and Probability

- A: Reading and interpreting data from one or more sources to solve problems (interpolating, extrapolating, drawing conclusions)
- B: Identifying appropriate procedures for collecting data
- C: Organizing and representing data to help answer questions
- D: Calculating and interpreting statistics summarizing data distributions
- E: Theoretical and empirical probability of simple events
- F: Theoretical and empirical probability of compound events

1 = Mostly taught before this year

2 = Mostly taught this year

3 = Not yet taught or just introduced

Variable Name(s): BTBM18DA, BTBM18DB, BTBM18DC, BTBM18DD, BTBM18DE, BTBM18DF

Country	Item ID	Code	Documentation
Finland	TQM-18DE	D	Single or simple event
Finland	TQM-18DF	D	Combination of multiple events (compound event)

TQM-23

Question:

In the past two years, how many hours in total have you spent in formal <in-service/professional development> (e.g., workshops, seminars, etc.) for mathematics?

- 1 = None
- 2 = Less than 6 hours
- 3 = 6–15 hours
- 4 = 16–35 hours
- 5 = More than 35 hours

Variable Name(s): BTBM23

Country	Item ID	Code	Documentation
England	TQM-23	D	INSET/professional development
Finland	TQM-23	D	Updating education
France	TQM-23	D	Teacher training
Lithuania	TQM-23	D	Courses for qualification improvement

TQS-14

Question:

In a typical week, how much time do you spend teaching science to the students in this class?

Variable Name(s): BTBS14

Country	Item ID	Code	Documentation
Israel	TQS-14	D	Stem of the question changed: In a typical week, how many teaching hours (lessons) do you spend teaching science to the students in this class? / How long is a typical lesson in this class?

TQS-17

Question:

The following list includes the main topics addressed by the TIMSS science test. Choose the response that best describes when the students in this class have been taught each topic. If a topic was in the curriculum before the <eighth grade>, please choose “Mostly taught before this year.” If a topic was taught half this year but not yet completed, please choose “Mostly taught this year.” If a topic is not in the curriculum, please choose “Not yet taught or just introduced.”

- 1 = Mostly taught before this year
- 2 = Mostly taught this year
- 3 = Not yet taught or just introduced

Variable Name(s): BTBS17AA-AG, BTBS17BA-BH, BTBS17CA-CG, BTBS17DA-DD

Country	Item ID	Code	Documentation
Norway	TQS-17	D	<p>Stem of the question changed: The following list includes the main topics addressed by the TIMSS science test. Choose the response that best describes when the students in this class have been taught each topic.</p> <p>National options recoded for international comparability: 1 = Mostly taught before this year 2 = Mostly taught this year 3 = Just introduced / Not (yet) taught</p>

TQS-22

Question:

In the past two years, how many hours in total have you spent in formal <in-service/professional development> (e.g., workshops, seminars, etc.) for science?

1 = None
2 = Less than 6 hours
3 = 6–15 hours
4 = 16–35 hours
5 = More than 35 hours

Variable Name(s): BTBS22

Country	Item ID	Code	Documentation
England	TQS-22	D	INSET/professional development
Finland	TQS-22	D	Updating education
France	TQS-22	D	Teacher training
Lithuania	TQS-22	D	Courses for qualification improvement



SECTION 2.4: **SCHOOL** **QUESTIONNAIRE** **GRADE 8**

TIMSS 2019 USER GUIDE FOR THE
INTERNATIONAL DATABASE



IEA

TIMSS & PIRLS
International Study Center
Lynch School of Education
BOSTON COLLEGE

SCQ-01

Question:

What is the total enrollment of students in your school as of <first day of month TIMSS testing begins, 2019>?

Variable Name(s): BCBG01

Country	Item ID	Code	Documentation
Australia	SCQ-01	D	November 1, 2018
Bahrain	SCQ-01	D	April 1, 2019
Chile	SCQ-01	D	October 1, 2018
Chinese Taipei	SCQ-01	D	May 1, 2019
Cyprus	SCQ-01	D	March 1, 2019
Egypt	SCQ-01	D	April 1, 2019
England	SCQ-01	D	February 25, 2019
Finland	SCQ-01	D	April 1, 2019
France	SCQ-01	D	May 1, 2019
Georgia	SCQ-01	D	May 1, 2019
Hong Kong SAR	SCQ-01	D	April 1, 2019
Hungary	SCQ-01	D	March 1, 2019
Iran, Islamic Rep. of	SCQ-01	D	February 20, 2019
Ireland	SCQ-01	D	March 1, 2019
Israel	SCQ-01	D	March 1, 2019
Italy	SCQ-01	D	March 1, 2019
Japan	SCQ-01	D	February 1, 2019
Jordan	SCQ-01	D	April 1, 2019

Kazakhstan	SCQ-01	D	April 1, 2019
Korea, Rep. of	SCQ-01	D	December 1, 2018
Kuwait	SCQ-01	D	April 1, 2019
Lebanon	SCQ-01	D	April 1, 2019
Lithuania	SCQ-01	D	March 1, 2019
Malaysia	SCQ-01	D	October 1, 2018
Morocco	SCQ-01	D	May 1, 2019
New Zealand	SCQ-01	D	September 1, 2019
Norway	SCQ-01	D	March 1, 2019
Oman	SCQ-01	D	April 1, 2019
Portugal	SCQ-01	D	February 25, 2019
Qatar	SCQ-01	D	March 3, 2019
Romania	SCQ-01	D	May 1, 2019
Russian Federation	SCQ-01	D	April 1, 2019
Saudi Arabia	SCQ-01	D	April 1, 2019
Singapore	SCQ-01	D	October 1, 2018
South Africa	SCQ-01	D	August 1, 2019
Sweden	SCQ-01	D	March 1, 2019
Turkey	SCQ-01	D	March 1, 2019
United Arab Emirates	SCQ-01	D	February 1, 2019
United States	SCQ-01	D	April 1, 2019
Benchmarking Participants			
Ontario, Canada	SCQ-01	D	April 1, 2019
Quebec, Canada	SCQ-01	D	April 1, 2019
Moscow City, Russian Fed.	SCQ-01	D	April 1, 2019

Gauteng, RSA	SCQ-01	D	August 1, 2019
Western Cape, RSA	SCQ-01	D	August 1, 2019
Abu Dhabi, UAE	SCQ-01	D	February 1, 2019
Dubai, UAE	SCQ-01	D	February 1, 2019

SCQ-02

Question:

What is the total enrollment of <eighth grade> students in your school as of <first day of month TIMSS testing begins, 2019>?

Variable Name(s): BCBG02

Country	Item ID	Code	Documentation
Australia	SCQ-02	D	November 1, 2018
Bahrain	SCQ-02	D	April 1, 2019
Chile	SCQ-02	D	October 1, 2018
Chinese Taipei	SCQ-02	D	May 1, 2019
Cyprus	SCQ-02	D	March 1, 2019
Egypt	SCQ-02	D	April 1, 2019
England	SCQ-02	D	February 25, 2019
Finland	SCQ-02	D	April 1, 2019
France	SCQ-02	D	May 1, 2019
Georgia	SCQ-02	D	May 1, 2019
Hong Kong SAR	SCQ-02	D	April 1, 2019
Hungary	SCQ-02	D	March 1, 2019
Iran, Islamic Rep. of	SCQ-02	D	February 20, 2019
Ireland	SCQ-02	D	March 1, 2019
Israel	SCQ-02	D	March 1, 2019

Italy	SCQ-02	D	March 1, 2019
Japan	SCQ-02	D	February 1, 2019
Jordan	SCQ-02	D	April 1, 2019
Kazakhstan	SCQ-02	D	April 1, 2019
Korea, Rep. of	SCQ-02	D	December 1, 2018
Kuwait	SCQ-02	D	April 1, 2019
Lebanon	SCQ-02	D	April 1, 2019
Lithuania	SCQ-02	D	March 1, 2019
Malaysia	SCQ-02	D	October 1, 2018
Morocco	SCQ-02	D	May 1, 2019
New Zealand	SCQ-02	D	September 1, 2019
Norway	SCQ-02	D	March 1, 2019
Oman	SCQ-02	D	April 1, 2019
Portugal	SCQ-02	D	February 25, 2019
Qatar	SCQ-02	D	March 3, 2019
Romania	SCQ-02	D	May 1, 2019
Russian Federation	SCQ-02	D	April 1, 2019
Saudi Arabia	SCQ-02	D	April 1, 2019
Singapore	SCQ-02	D	October 1, 2018
South Africa	SCQ-02	D	August 1, 2019
Sweden	SCQ-02	D	March 1, 2019
Turkey	SCQ-02	D	March 1, 2019
United Arab Emirates	SCQ-02	D	February 1, 2019
United States	SCQ-02	D	April 1, 2019

Benchmarking Participants

Ontario, Canada	SCQ-02	D	April 1, 2019
Quebec, Canada	SCQ-02	D	April 1, 2019
Moscow City, Russian Fed.	SCQ-02	D	April 1, 2019
Gauteng, RSA	SCQ-02	D	August 1, 2019
Western Cape, RSA	SCQ-02	D	August 1, 2019
Abu Dhabi, UAE	SCQ-02	D	February 1, 2019
Dubai, UAE	SCQ-02	D	February 1, 2019

SCQ-04

Question:

Approximately what percentage of students in your school have <language of test> as their native language?

- 1 = More than 90%
- 2 = 76 to 90%
- 3 = 51 to 75%
- 4 = 26 to 50%
- 5 = 25% or less

Variable Name(s): BCBG04

Country	Item ID	Code	Documentation
Bahrain	SCQ-04	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Cyprus	SCQ-04	D	Greek (if ITLANG = 44) / English (if ITLANG = 1)
Finland	SCQ-04	D	Finnish (if ITLANG = 43) / Swedish (if ITLANG = 32)
Hong Kong SAR	SCQ-04	D	English (if ITLANG = 1) / Chinese (if ITLANG = 10)
Ireland	SCQ-04	D	Stem of the question changed: Approximately what percentage of students in your school are native English or Irish speakers?
Israel	SCQ-04	D	Hebrew (if ITLANG = 16) / Arabic (if ITLANG = 53)
Kazakhstan	SCQ-04	D	Kazakh (if ITLANG = 39) / Russian (if ITLANG = 29)

Kuwait	SCQ-04	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Lebanon	SCQ-04	D	English (if ITLANG = 1) / French (if ITLANG = 3)
Lithuania	SCQ-04	D	Language they are taught
Malaysia	SCQ-04	D	Malay or English language
Morocco	SCQ-04	D	Arabic (if ITLANG = 53) / Not administered (if ITLANG = 3)
Oman	SCQ-04	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Qatar	SCQ-04	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Saudi Arabia	SCQ-04	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Singapore	SCQ-04	D	Gang punched to "25% or less"
South Africa	SCQ-04	D	Stem of the question changed: Approximately what percentage of learners in your school have English as their home language? (if ITLANG = 1) / Approximately what percentage of learners in your school have Afrikaans as their home language? (if ITLANG = 4)

United Arab Emirates	SCQ-04	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
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Benchmarking Participants

Ontario, Canada	SCQ-04	D	Stem of the question changed: Approximately what percentage of students in your school have English as their first language (mother tongue)? (if ITLANG = 1) / Approximately what percentage of students in your school have French as their first language (mother tongue)? (if ITLANG = 3)
Quebec, Canada	SCQ-04	D	Stem of the question changed: Approximately what percentage of students in your school have English as their first language (mother tongue)? (if ITLANG = 1) / Approximately what percentage of students in your school have French as their first language (mother tongue)? (if ITLANG = 3)
Gauteng, RSA	SCQ-04	D	Stem of the question changed: Approximately what percentage of learners in your school have English as their home language? (if ITLANG = 1) / Approximately what percentage of learners in your school have Afrikaans as their home language? (if ITLANG = 4)

Western Cape, RSA	SCQ-04	D	Stem of the question changed: Approximately what percentage of learners in your school have English as their home language? (if ITLANG = 1) / Approximately what percentage of learners in your school have Afrikaans as their home language? (if ITLANG = 4)
Abu Dhabi, UAE	SCQ-04	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)
Dubai, UAE	SCQ-04	D	English (if ITLANG = 1) / Arabic (if ITLANG = 53)

SCQ-05A

Question:

How many people live in the city, town, or area where your school is located?

- 1 = More than 500,000 people
- 2 = 100,001 to 500,000 people
- 3 = 50,001 to 100,000 people
- 4 = 30,001 to 50,000 people
- 5 = 15,001 to 30,000 people
- 6 = 3,001 to 15,000 people
- 7 = 3,000 people or fewer

Variable Name(s): BCBG05A

Country	Item ID	Code	Documentation
Australia	SCQ-05A	D	National options recoded for international comparability: 1 = More than 500,000 people 2 = 100,001 to 500,000 people 3 = 50,001 to 100,000 people 4 = 30,001 to 50,000 people 5 = 15,001 to 30,000 people 6 = 3,001 to 15,000 people 7 = 1,001 to 3,000 people / Fewer than 1,000 people
Singapore	SCQ-05A	D	Gang punched to "More than 500,000 people"

SCQ-05B

Question:

Which best describes the immediate area in which your school is located?

- 1 = Urban–Densely populated
- 2 = Suburban–On fringe or outskirts of urban area
- 3 = Medium size city or large town
- 4 = Small town or village
- 5 = Remote rural

Variable Name(s): BCBG05B

Country	Item ID	Code	Documentation
Kuwait	SCQ-05B	D	National options recoded for international comparability: 1 = Area with dense population 2 = Option not administered or data not available 3 = Area with medium size population 4 = Area with small size population 5 = Remote area
Singapore	SCQ-05B	D	Gang punched to "Urban–Densely populated"

SCQ-06A

Question:

For the <eighth grade> students in your school:
How many days per year is your school open for instruction?

Variable Name(s): BCBG06A

Country	Item ID	Code	Documentation
New Zealand	SCQ-06A	D	Stem of the question changed: For the Year 9 students in your school: How many days per year is your school open for instruction? (note: 386 half days = 193 instructional days)
Norway	SCQ-06A	D	Gang punched to "199"
Singapore	SCQ-06A	D	Gang punched to "186"

SCQ-06B

Question:

What is the total instructional time, excluding breaks, in a typical day?

Variable Name(s): BCBG06B

Country	Item ID	Code	Documentation
Israel	SCQ-06B	D	Stem of the question changed: On a typical day, how many teaching hours (lessons) are there in your school? / How long is a typical lesson in this class?

SCQ-06C

Question:

In one calendar week, how many days is the school open for instruction?

- 1 = 6 days
- 2 = 5 1/2 days
- 3 = 5 days
- 4 = 4 1/2 days
- 5 = 4 days
- 6 = Other

Variable Name(s): BCBG06C

Country	Item ID	Code	Documentation
Norway	SCQ-06C	D	Gang punched to "5"
Singapore	SCQ-06C	D	Gang punched to "5 days"

SCQ-07

Question:

How many computers (including tablets) does your school have for use by <eighth grade> students?

Variable Name(s): BCBG07

Country	Item ID	Code	Documentation
New Zealand	SCQ-07	D	Question instruction added: Do not include Bring Your Own Device (BYOD) computers owned by students.

SCQ-08B

Question:

Do teachers usually have assistance available when students are conducting science experiments?

1 = Yes

2 = No

Variable Name(s): BCBG08B

Country	Item ID	Code	Documentation
Singapore	SCQ-08B	D	Stem of the question changed: Do teachers usually have assistance (e.g., lab technicians, parent volunteers) available when students are conducting science experiments?

SCQ-09

Question:

Does your school use an online learning management system to support learning (e.g., teacher-student communication, management of grades, student access to course materials)?

1 = Yes

2 = No

Variable Name(s): BCBG09

Country	Item ID	Code	Documentation
Ireland	SCQ-09	D	Stem of the question changed: Does your school use an online learning management system to support learning (e.g., teacher-student communication, posting of grades, student access to course materials; e.g., Moodle)?

Lithuania	SCQ-09	D	Stem of the question changed: Does your school use an online learning management system to support learning (e.g., e-diary or other system for teacher-student communication, entering grades, sharing course materials with students)?
Norway	SCQ-09	D	Does your school use online learning management systems (e.g., Fronter, itslearning, Canvas etc.)?
Singapore	SCQ-09	D	Stem of the question changed: Does your school use an online learning management system (e.g., SLS, LMS) to support learning (e.g., teacher-student communication, management of grades, student access to course materials)?

SCQ-10B

Question:

If Yes, Approximately how many books (print) with different titles does your school library have (exclude magazines and periodicals)?

1 = 2,000 books or fewer

2 = More than 2,000 books

Variable Name(s): BCBG10B

Country	Item ID	Code	Documentation
Israel	SCQ-10B	D	Stem of the question changed: Approximately how many different books (print) does your school library have (exclude periodicals)? Question instruction added: If the library holds number of copies from the same book, refer to them as one book.

SCQ-17A-B

Question:

To what degree is each of the following a problem among teachers in your school?

A: Arriving late or leaving early

B: Absenteeism

1 = Not a problem

2 = Minor problem

3 = Moderate problem

4 = Serious problem

Variable Name(s): BCBG17A, BCBG17B

Country	Item ID	Code	Documentation
New Zealand	SCQ-17A-B	X	Question not administered or data not available

SCQ-20

Question:

What is the highest level of formal education you have completed?

1 = Did not complete <Bachelor's or equivalent level—ISCED Level 6>

2 = <Bachelor's or equivalent level—ISCED Level 6>

3 = <Master's or equivalent level—ISCED Level 7>

4 = <Doctor or equivalent level—ISCED Level 8>

Variable Name(s): BCBG20

Country	Item ID	Code	Documentation
Australia	SCQ-20	D	National options recoded for international comparability: 1 = TAFE or college diploma 2 = Undergraduate or Bachelor's degree / Graduate or postgraduate diploma 3 = Master's degree 4 = PhD or Doctorate

Bahrain	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's 2 = Bachelor's 3 = Master's 4 = PhD
Chile	SCQ-20	D	National options recoded for international comparability: 1 = Did not complete higher education / Higher education in professional institute or center of vocational development 2 = Higher education in university (Bachelor's degree or professional degree) 3 = Master's degree 4 = Doctorate
Chinese Taipei	SCQ-20	D	National options recoded for international comparability: 1 = Did not complete Bachelor's or equivalent level 2 = Two-year college of technology or four-year college of technology program / University program 3 = Master's program 4 = PhD program
Cyprus	SCQ-20	D	Nationally defined options: 1 = Non-university diploma (e.g., Pedagogical Academy diploma) (if ITLANG = 44) / Did not complete Bachelor's (if ITLANG = 1) 2 = Bachelor's 3 = Master's 4 = Doctor
Egypt	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's or equivalent 2 = Bachelor's or equivalent 3 = Master's or equivalent 4 = Doctor or equivalent
England	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's degree or equivalent level 2 = Bachelor's degree or equivalent 3 = Master's degree or equivalent 4 = Doctorate (PhD)
Finland	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's degree 2 = Bachelor's degree (in polytechnic or in university) 3 = Master's degree (in polytechnic or in university) 4 = Postgraduate degree (licentiate or Doctor)

France	SCQ-20	D	Nationally defined options: 1 = Did not complete a university degree or equivalent 2 = Bachelor's degree or equivalent 3 = Master's degree or equivalent 4 = PhD or equivalent
Georgia	SCQ-20	D	Nationally defined options: 1 = Did not complete the first stage of higher education (Bachelor's) 2 = First stage of higher education (Bachelor's) 3 = Master's or equivalent 5-year education (before 2005) 4 = Academic degree (e.g., candidate's or Doctor's)
Hong Kong SAR	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's degree 2 = Bachelor's degree 3 = Master's degree 4 = Doctoral degree
Hungary	SCQ-20	D	Nationally defined options: 1 = Lower than college or university BA level 2 = College or university BA level 3 = University or university MA level 4 = Higher than university or university MA level (e.g., PhD)
Iran, Islamic Rep. of	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's or equivalent level 2 = Bachelor's or equivalent level 3 = Master's or equivalent level 4 = Doctor or equivalent level
Ireland	SCQ-20	D	Nationally defined options: 1 = Did not complete university degree (e.g., Bachelor's) 2 = University degree (e.g., Bachelor's) 3 = Master's or equivalent 4 = Doctorate or equivalent
Israel	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor degree 2 = Bachelor degree (such as B.A., B.Ed., B.Sc.) 3 = Master degree 4 = Doctor degree
Italy	SCQ-20	D	Nationally defined options: 1 = Upper secondary education or short-cycle tertiary education 2 = Tertiary education II level certificate 3 = Master's or equivalent level 4 = Doctor or equivalent level

Japan	SCQ-20	D	Nationally defined options: 1 = Did not complete university or college 2 = University or college 3 = Master's programs of graduate school or professional graduate school 4 = Doctoral programs of graduate school
Jordan	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's or equivalent level 2 = Bachelor's or equivalent level 3 = Master's or equivalent level 4 = Doctor or equivalent level
Kazakhstan	SCQ-20	D	Nationally defined options: 1 = Did not complete high level 2 = Bachelor high level 3 = Master—postgraduate level 4 = Doctor (PhD)
Korea, Rep. of	SCQ-20	D	Nationally defined options: 1 = Did not complete university 2 = University 3 = Graduate school for Master's degree 4 = Graduate school for Doctoral degree
Kuwait	SCQ-20	D	Nationally defined options: 1 = Did not complete the Bachelor's or equivalent level 2 = Bachelor's or equivalent level 3 = Master's or equivalent level 4 = Doctor or equivalent level
Lebanon	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's or equivalent level 2 = Bachelor's or equivalent level 3 = Master's or equivalent level 4 = Doctor or equivalent level
Lithuania	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's or vocational Bachelor studies 2 = Bachelor's or vocational Bachelor degree 3 = Master's or equivalent degree 4 = Doctor's or equivalent degree
Malaysia	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's or equivalent 2 = Bachelor's or equivalent 3 = Master's or equivalent 4 = Doctor or equivalent

Morocco	SCQ-20	D	Nationally defined options: 1 = Did not complete the certificate of license or equivalent 2 = Certificate of license or equivalent 3 = Certificate of Master or equivalent 4 = Doctorate degree or equivalent
New Zealand	SCQ-20	D	Nationally defined options: 1 = College of Education diploma or other national or vocational diploma 2 = Bachelor's degree 3 = Bachelor's Honors, post-graduate diploma, or Master's degree 4 = PhD
Norway	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's or equivalent level 2 = Bachelor's or equivalent level 3 = Master's or equivalent level 4 = Doctor or equivalent level
Oman	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's or equivalent level 2 = Bachelor's or equivalent level 3 = Master's or equivalent level 4 = Doctor or equivalent level
Portugal	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's 2 = Bachelor's 3 = Master's 4 = Doctor
Qatar	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's degree or equivalent level 2 = Bachelor's degree or equivalent level 3 = Master's degree or equivalent level 4 = PhD or equivalent level
Romania	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's degree 2 = Bachelor's degree 3 = Master's degree 4 = Doctor degree

Russian Federation	SCQ-20	D	Nationally defined options: 1 = Did not complete higher education 2 = Higher education: Bachelor or equivalent (three years or more) 3 = Higher education: Master or equivalent (five years or more) or second university degree 4 = Candidate or Doctor degree or equivalent level
Saudi Arabia	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's or equivalent level 2 = Bachelor's or equivalent level 3 = Master's or equivalent level 4 = Doctor or equivalent level
Singapore	SCQ-20	D	Nationally defined options: 1 = Did not complete university Bachelor's degree 2 = University Bachelor's degree 3 = Master's degree 4 = Doctoral (e.g., PhD) degree
South Africa	SCQ-20	D	National options recoded for international comparability: 1 = Did not complete first degree 2 = Bachelor's degree / Honor's degree 3 = Master's degree 4 = Doctoral degree
Sweden	SCQ-20	D	Nationally defined options: 1 = Did not complete university or university college degree (e.g., Bachelor's degree) 2 = University or university college degree (e.g., Bachelor's degree) 3 = University or university college degree (e.g., Master's degree) 4 = Postgraduate education (licentiate or PhD degree)
Turkey	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's level 2 = Bachelor's level 3 = Master's level 4 = Doctor level
United Arab Emirates	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's degree 2 = Bachelor's degree 3 = Master's degree (e.g., Master of Arts degree or M.Sc.) 4 = Doctoral degree (e.g., Ph.D. or Ed.D.)

United States	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's degree (4-year college program) 2 = Bachelor's degree (4-year college program) 3 = Master's degree or professional degree (MD, DDS, lawyer, minister) 4 = Doctorate (Ph.D., Ed.D.)
Benchmarking Participants			
Ontario, Canada	SCQ-20	D	Nationally defined options: 1 = Did not complete a Bachelor's degree 2 = Bachelor's degree 3 = Master's degree 4 = Doctoral degree
Quebec, Canada	SCQ-20	D	Nationally defined options: 1 = Did not complete a Bachelor's degree 2 = Bachelor's degree 3 = Master's degree 4 = Doctoral degree
Moscow City, Russian Fed.	SCQ-20	D	Nationally defined options: 1 = Did not complete higher education or initial vocational education 2 = Higher education: Bachelor or equivalent (three years or more) 3 = Higher education: Master or equivalent (five years or more), second university degree 4 = Candidate or Doctor degree or equivalent level
Gauteng, RSA	SCQ-20	D	National options recoded for international comparability: 1 = Did not complete first degree 2 = Bachelor's degree / Honor's degree 3 = Master's degree 4 = Doctoral degree
Western Cape, RSA	SCQ-20	D	National options recoded for international comparability: 1 = Did not complete first degree 2 = Bachelor's degree / Honor's degree 3 = Master's degree 4 = Doctoral degree
Abu Dhabi, UAE	SCQ-20	D	Nationally defined options: 1 = Did not complete Bachelor's degree 2 = Bachelor's degree 3 = Master's degree (e.g., Master of Arts degree, M.Sc.) 4 = Doctoral degree (e.g., Ph.D. or Ed.D.)

Dubai, UAE

SCQ-20

D

Nationally defined options:

1 = Did not complete Bachelor's degree

2 = Bachelor's degree

3 = Master's degree (e.g., Master of Arts degree, M.Sc.)

4 = Doctoral degree (e.g., Ph.D. or Ed.D.)

SCQ-21A-C

Question:

Do you hold the following qualifications or credentials in educational leadership?

A: <Certificate or license>

B: <Master's or equivalent level—ISCED Level 7>

C: <Doctor or equivalent level—ISCED Level 8>

1 = Yes

2 = No

Variable Name(s):

BCBG21A, BCBG21B, BCBG21C

Country	Item ID	Code	Documentation
Australia	SCQ-21A	X	Option not administered or data not available
Australia	SCQ-21B	D	Master's degree
Australia	SCQ-21C	D	PhD or Doctorate
Bahrain	SCQ-21A	D	Certificate or license
Bahrain	SCQ-21B	D	Master's
Bahrain	SCQ-21C	D	PhD
Chile	SCQ-21A	D	Diploma
Chile	SCQ-21B	D	Master's degree
Chile	SCQ-21C	D	PhD
Chinese Taipei	SCQ-21A	D	Certificate or license
Chinese Taipei	SCQ-21B	D	Master's degree
Chinese Taipei	SCQ-21C	D	Doctoral degree

Cyprus	SCQ-21A	D	Certificate
Cyprus	SCQ-21B	D	Master's
Cyprus	SCQ-21C	D	Doctor
Egypt	SCQ-21A	D	Certificate or license
Egypt	SCQ-21B	D	Master or equivalent
Egypt	SCQ-21C	D	Doctor or equivalent
England	SCQ-21A	D	NPQH (National Professional Qualification for Headship)
England	SCQ-21B	D	Master's degree or equivalent level
England	SCQ-21C	D	Doctorate (PhD)
Finland	SCQ-21A	D	Degree of education administration (25 credits in university) or equivalent
Finland	SCQ-21B	D	Master's degree (in university of applied science or in university)
Finland	SCQ-21C	D	Postgraduate degree (licentiate or Doctor)
France	SCQ-21A	D	Certificate or license
France	SCQ-21B	D	Master's degree or equivalent
France	SCQ-21C	D	PhD or equivalent
Georgia	SCQ-21A	D	Diploma or certificate
Georgia	SCQ-21B	D	Master's degree or equivalent
Georgia	SCQ-21C	D	Doctor's degree or equivalent
Hong Kong SAR	SCQ-21A	D	Certificate or license
Hong Kong SAR	SCQ-21B	D	Master's degree
Hong Kong SAR	SCQ-21C	D	Doctoral degree
Hungary	SCQ-21B-C	X	Option not administered or data not available
Hungary	SCQ-21A	D	Public education leader and pedagogical professional examination

Iran, Islamic Rep. of	SCQ-21A	D	Bachelor's or lower
Iran, Islamic Rep. of	SCQ-21B	D	Master's or equivalent level
Iran, Islamic Rep. of	SCQ-21C	D	Doctor or equivalent level
Ireland	SCQ-21A	D	Postgraduate diploma or equivalent
Ireland	SCQ-21B	D	Master's or equivalent
Ireland	SCQ-21C	D	Doctorate or equivalent
Israel	SCQ-21A	D	Finished principles training program
Israel	SCQ-21B	D	Master degree
Israel	SCQ-21C	D	Doctor degree
Italy	SCQ-21A-C	D	Stem of the question changed: Do you hold a Master's or equivalent level qualification for school principals?
Italy	SCQ-21A	X	Option not administered or data not available
Italy	SCQ-21B	D	Master's or equivalent level
Italy	SCQ-21C	X	Option not administered or data not available
Japan	SCQ-21A-C	D	Stem of the question changed: Do you hold the following certificate or degree in educational leadership?
Japan	SCQ-21A	D	Certification of professional program or training
Japan	SCQ-21B	D	Master's degree or professional degree
Japan	SCQ-21C	D	Doctor's degree
Jordan	SCQ-21A	D	Certificate or license
Jordan	SCQ-21B	D	Master's or equivalent level
Jordan	SCQ-21C	D	Doctor or equivalent level
Kazakhstan	SCQ-21A	D	Certificate or license
Kazakhstan	SCQ-21B	D	Master
Kazakhstan	SCQ-21C	D	Doctor (PhD)

Korea, Rep. of	SCQ-21A	D	Principal's certificate
Korea, Rep. of	SCQ-21B	D	Master's degree
Korea, Rep. of	SCQ-21C	D	Doctoral degree
Kuwait	SCQ-21A	D	Certificate or license
Kuwait	SCQ-21B	D	Master's or equivalent level
Kuwait	SCQ-21C	D	Doctor or equivalent level
Lebanon	SCQ-21A	D	Certificate or license
Lebanon	SCQ-21B	D	Master's or equivalent level
Lebanon	SCQ-21C	D	Doctor or equivalent level
Lithuania	SCQ-21A-C	D	Stem of the question changed: Do you have any document confirming your professional qualifications in educational leadership?
Lithuania	SCQ-21A	D	Certificate or license
Lithuania	SCQ-21B	D	Master's or equivalent degree
Lithuania	SCQ-21C	D	Doctor's or equivalent degree
Malaysia	SCQ-21A	D	Certificate: National Professional Qualification for Educational Leads (NPQEL)
Malaysia	SCQ-21B	D	Master's or equivalent
Malaysia	SCQ-21C	D	Doctor or equivalent
Morocco	SCQ-21A	D	Certificate or vocational diploma
Morocco	SCQ-21B	D	Master's certificate or equivalent
Morocco	SCQ-21C	D	Doctor or equivalent
New Zealand	SCQ-21A-C	X	Question not administered or data not available
Norway	SCQ-21A	D	Certificate
Norway	SCQ-21B	D	Master's
Norway	SCQ-21C	D	Doctor

Oman	SCQ-21A	D	Certificate or license
Oman	SCQ-21B	D	Master's or equivalent level
Oman	SCQ-21C	D	Doctor or equivalent level
Portugal	SCQ-21A	X	Option not administered or data not available
Portugal	SCQ-21B	D	Master's
Portugal	SCQ-21C	D	Doctor
Qatar	SCQ-21A	D	Certificate or license
Qatar	SCQ-21B	D	Master's degree or equivalent level
Qatar	SCQ-21C	D	PhD or equivalent level
Romania	SCQ-21A	D	Certificate or license
Romania	SCQ-21B	D	Master's studies
Romania	SCQ-21C	D	Doctoral studies
Russian Federation	SCQ-21A	D	Certificate or diploma
Russian Federation	SCQ-21B	D	Master's or equivalent level
Russian Federation	SCQ-21C	D	Candidate or Doctor or equivalent level
Saudi Arabia	SCQ-21A	D	Higher diploma
Saudi Arabia	SCQ-21B	D	Master's or equivalent level
Saudi Arabia	SCQ-21C	D	Doctor or equivalent level
Singapore	SCQ-21A	D	Certificate (e.g., MLS, LEP) or license
Singapore	SCQ-21B	D	Master's degree
Singapore	SCQ-21C	D	Doctoral (e.g., PhD) degree
South Africa	SCQ-21A	D	Advanced Certificate in Education (A.C.E)
South Africa	SCQ-21B	D	Master's degree
South Africa	SCQ-21C	D	Doctoral degree
Sweden	SCQ-21A	D	Certificate from a course

Sweden	SCQ-21B	D	University or university college degree (e.g., Master's degree)
Sweden	SCQ-21C	D	Postgraduate education (licentiate or PhD degree)
Turkey	SCQ-21A	D	Certificate or achievement certificate
Turkey	SCQ-21B	D	Master's level
Turkey	SCQ-21C	D	Doctor level
United Arab Emirates	SCQ-21A	D	Certificate or license
United Arab Emirates	SCQ-21B	D	Master's degree (e.g., Master of Arts degree or M.Sc.)
United Arab Emirates	SCQ-21C	D	Doctoral degree (e.g., Ph.D. or Ed.D.)
United States	SCQ-21A	D	Principal Certification
United States	SCQ-21B	D	Master's degree or professional degree (MD, DDS, lawyer, minister)
United States	SCQ-21C	D	Doctorate (Ph.D., Ed.D.)

Benchmarking Participants

Ontario, Canada	SCQ-21A	D	Certificate or license
Ontario, Canada	SCQ-21B	D	Master's degree
Ontario, Canada	SCQ-21C	D	Doctoral degree
Quebec, Canada	SCQ-21A	D	Certificate or license
Quebec, Canada	SCQ-21B	D	Master's degree
Quebec, Canada	SCQ-21C	D	Doctoral degree
Moscow City, Russian Fed.	SCQ-21A	D	Certificate or diploma
Moscow City, Russian Fed.	SCQ-21B	D	Master's or equivalent level
Moscow City, Russian Fed.	SCQ-21C	D	Candidate or Doctor or equivalent level
Gauteng, RSA	SCQ-21A	D	Advanced Certificate in Education (A.C.E)
Gauteng, RSA	SCQ-21B	D	Master's degree
Gauteng, RSA	SCQ-21C	D	Doctoral degree

Western Cape, RSA	SCQ-21A	D	Advanced Certificate in Education (A.C.E)
Western Cape, RSA	SCQ-21B	D	Master's degree
Western Cape, RSA	SCQ-21C	D	Doctoral degree
Abu Dhabi, UAE	SCQ-21A	D	Certificate or license
Abu Dhabi, UAE	SCQ-21B	D	Master's degree (e.g., Master of Arts degree, M.Sc.)
Abu Dhabi, UAE	SCQ-21C	D	Doctoral degree (e.g., Ph.D. or Ed.D.)
Dubai, UAE	SCQ-21A	D	Certificate or license
Dubai, UAE	SCQ-21B	D	Master's degree (e.g., Master of Arts degree, M.Sc.)
Dubai, UAE	SCQ-21C	D	Doctoral degree (e.g., Ph.D. or Ed.D.)



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