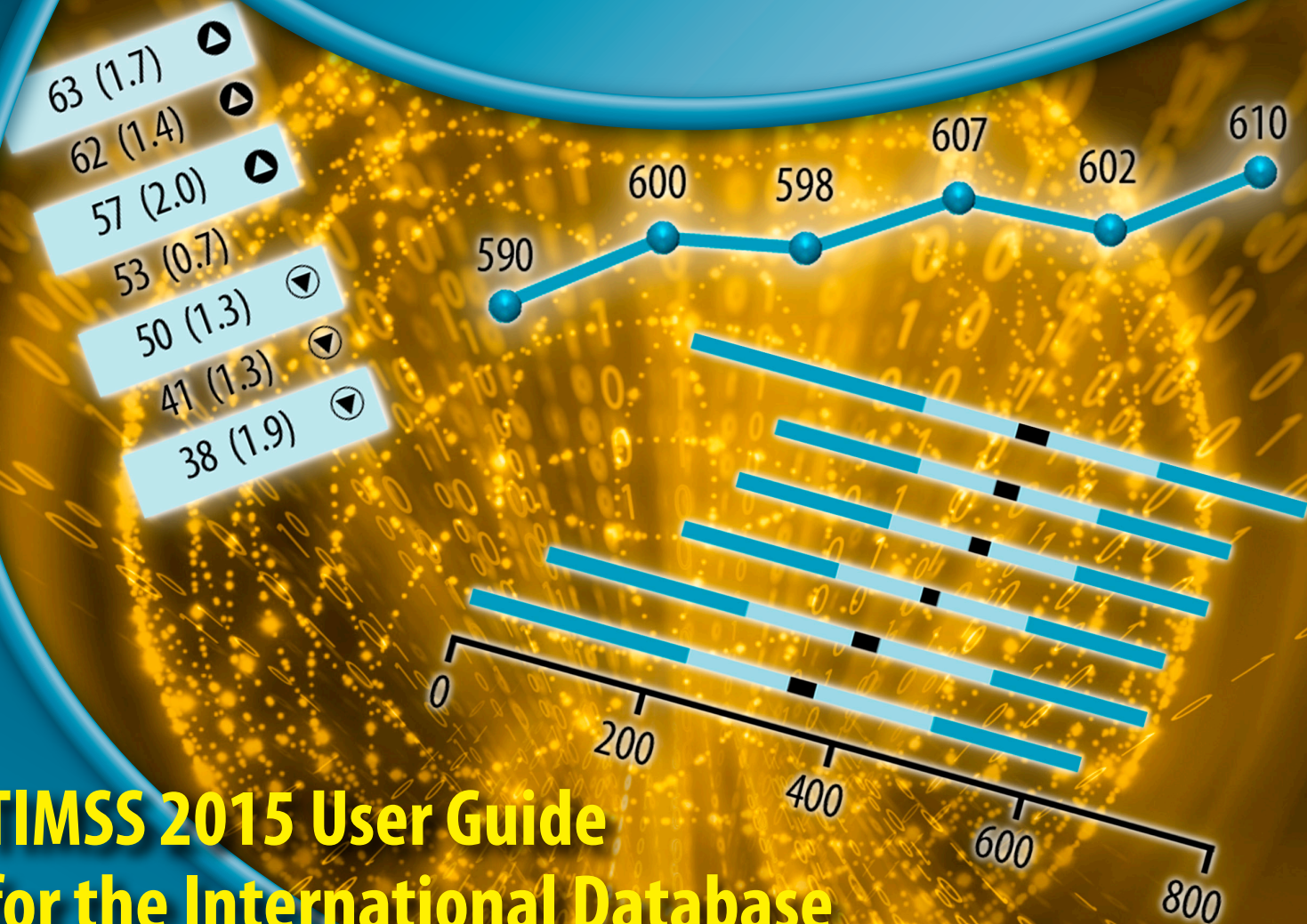


TRENDS IN INTERNATIONAL MATHEMATICS AND SCIENCE STUDY

TIMSS



TIMSS 2015 User Guide for the International Database

SUPPLEMENT 2

National Adaptations of International
Context Questionnaires



TIMSS & PIRLS
International Study Center
Lynch School of Education, Boston College

Supplement 2

National Adaptations of International Context Questionnaires

Overview

This supplement describes national adaptations made to the international version of the TIMSS 2015 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 2015 background variables. Context questionnaire national adaptations include questions that countries were required to adapt, questions that were not administered, and questions that countries modified to suit their national context.

National adaptations are presented in eight sections corresponding to the TIMSS 2015 context questionnaires.

- Section 1: Fourth Grade Student Questionnaire
- Section 2: Fourth Grade Home Questionnaire (Early Learning Survey)
- Section 3: Fourth Grade Teacher Questionnaire
- Section 4: Fourth Grade School Questionnaire
- Section 5: Eighth Grade Student Questionnaire
- Section 6: Eighth Grade Mathematics Teacher Questionnaire
- Section 7: Eighth Grade Science Teacher Questionnaire
- Section 8: Eighth Grade School Questionnaire

For each background question that was adapted, a national entry is included if the version of the question administered in a country was different from the international version. For each question, the following information is provided:

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

Each entry is assigned either Code D or Code X representing the following meaning.

Code D National data for the country are included in the international database. This code is used for national adaptations that are considered comparable to the international version.

Code X National data for the country are not included in the international database. This code is used for questions that were not administered, not applicable, or deleted for any of several reasons (e.g., not internationally comparable, removed per country request, or removed due to other data problems).

SECTION 1:
FOURTH GRADE –
STUDENT
QUESTIONNAIRE

TIMSS 2015 USER GUIDE FOR THE
INTERNATIONAL DATABASE



IEA

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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 = 2002

2 = 2003

3 = 2004

4 = 2005

5 = 2006

6 = 2007

7 = 2008

8 = Other

Variable Name(s): ASBG02A, ASBG02B

| Country | Item ID | Code | Documentation |
|-----------------------|---------|------|--|
| Chinese Taipei | SQG-02B | D | Nationally defined options: 1 = The 91th year of the Republic Era (2002) 2 = The 92th year of the Republic Era (2003) 3 = The 93th year of the Republic Era (2004) 4 = The 94th year of the Republic Era (2005) 5 = The 95th year of the Republic Era (2006) 6 = The 96th year of the Republic Era (2007) 7 = The 97th year of the Republic Era (2008) 8 = Other |
| Iran, Islamic Rep. of | SQG-02A | D | Corresponding months of the Persian calendar used |
| Iran, Islamic Rep. of | SQG-02B | D | Corresponding years of the Persian calendar used |

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 |
|------------------|---------|------|---|
| Belgium, Flemish | SQG-03 | D | Dutch or Flemish |
| Ireland | SQG-03 | X | For ITLANG = 41 ("Irish"); Question not administered or data not available |

SQG-05A-K

Question:

Do you have any of these things at your home?

A: A computer or tablet of your own

B: A computer or tablet that is shared with other people at home

C: Study desk/table for your use

D: Your own room

E: Internet connection

F: Your own mobile phone

G: A gaming system (e.g., PlayStation®, Wii®, Xbox®)

H: <country-specific indicator of wealth>

I: <country-specific indicator of wealth>

J: <country-specific indicator of wealth>

K: <country-specific indicator of wealth>

1 = Yes

2 = No

Variable Name(s): ASBG05A, ASBG05B, ASBG05C, ASBG05D, ASBG05E, ASBG05F, ASBG05G, ASBG05H, ASBG05I, ASBG05J, ASBG05K

| Country | Item ID | Code | Documentation |
|-------------------|-----------|------|---|
| ARG, Buenos Aires | SQG-05H | D | Music player (iPod, mp3) |
| ARG, Buenos Aires | SQG-05I | D | Your own bathroom |
| ARG, Buenos Aires | SQG-05J | D | Air conditioner |
| ARG, Buenos Aires | SQG-05K | D | Television in your room |
| Australia | SQG-05H | D | Musical instruments |
| Australia | SQG-05I | D | A quiet place to go if you need to think or concentrate |
| Australia | SQG-05J-K | X | Option not administered or data not available |
| Bahrain | SQG-05H | D | Swimming pool |
| Bahrain | SQG-05I | D | Gym |
| Bahrain | SQG-05J | D | Pets |

| | | | |
|------------------|-----------|---|--|
| Bahrain | SQG-05K | D | Car |
| Belgium, Flemish | SQG-05H-K | X | Option not administered or data not available |
| Bulgaria | SQG-05H-K | X | Option not administered or data not available |
| CAN, Ontario | SQG-05H | D | A quiet place to study |
| CAN, Ontario | SQG-05I | D | Books of your very own (do not count your school books) |
| CAN, Ontario | SQG-05J | D | Books to help with your school work (e.g., dictionary, encyclopedia) |
| CAN, Ontario | SQG-05K | D | iPod® or Mp3 player |
| CAN, Quebec | SQG-05H | D | A quiet place to study |
| CAN, Quebec | SQG-05I | D | Books of your very own (do not count your school books) |
| CAN, Quebec | SQG-05J | D | Books to help with your school work (e.g., dictionary, encyclopedia) |
| CAN, Quebec | SQG-05K | D | iPod® or Mp3 player |
| Canada | SQG-05H | D | A quiet place to study |
| Canada | SQG-05I | D | Books of your very own (do not count your school books) |
| Canada | SQG-05J | D | Books to help with your school work (e.g., dictionary, encyclopedia) |
| Canada | SQG-05K | D | iPod® or Mp3 player |
| Chile | SQG-05H | D | Shower with hot water |
| Chile | SQG-05I | D | Dishwasher |
| Chile | SQG-05J | D | Cable TV |
| Chile | SQG-05K | D | Car (regular car, jeep, pick-up truck, van) |
| Chinese Taipei | SQG-05H | D | At least two bedrooms are equipped with bathrooms |
| Chinese Taipei | SQG-05I | D | My parents have their own car for private use (not for business or public affairs) |
| Chinese Taipei | SQG-05J | D | Piano or violin |
| Chinese Taipei | SQG-05K | D | Family servant |
| Croatia | SQG-05H | D | Sports equipment (e.g., for skiing, tennis, skating/hockey) |
| Croatia | SQG-05I | D | Artwork, musical instruments (e.g., paintings, sculptures, piano, violin) |
| Croatia | SQG-05J | D | Have lunch or dinner with parents in a restaurant at least once a month |
| Croatia | SQG-05K | D | Every year I go with my parents at least one week on a vacation outside our homeland |
| Cyprus | SQG-05H | D | Educational computer games |
| Cyprus | SQG-05I | D | Cable or satellite TV (e.g., Cablenet, Cytavision, LTV, Nova, Primetel) |
| Cyprus | SQG-05J | D | Alarm system |
| Cyprus | SQG-05K | D | Swimming pool |
| Czech Republic | SQG-05H | D | Dishwasher |
| Czech Republic | SQG-05I | D | Educational software |
| Czech Republic | SQG-05J | D | Camcorder |

| | | | |
|-----------------------|-----------|---|---|
| Czech Republic | SQG-05K | D | Home cinema set (screen, DVD player, speakers) |
| Denmark | SQG-05H-K | X | Option not administered or data not available |
| England | SQG-05H | D | Bicycle |
| England | SQG-05I | D | E-book readers (e.g., Kindle, Kobo, Bookeen) |
| England | SQG-05J | D | Musical instruments (e.g., guitar, piano) |
| England | SQG-05K | D | A play room |
| Finland | SQG-05H | D | Your own TV |
| Finland | SQG-05I | D | A musical instrument (e.g., piano, guitar) |
| Finland | SQG-05J | D | Pets |
| Finland | SQG-05K | D | Smartphone of your own (e.g., iPhone®, Lumia®, Galaxy®) |
| France | SQG-05H | D | Books only for you (not including your textbooks) |
| France | SQG-05I | D | TV in your room |
| France | SQG-05J | D | Dictionary |
| France | SQG-05K | D | A subscription to a magazine or a newspaper of your choice |
| Georgia | SQG-05H | D | Family private car |
| Georgia | SQG-05I | D | Dishwashing machine |
| Georgia | SQG-05J | D | Summer house |
| Georgia | SQG-05K | D | Smart TV |
| Germany | SQG-05H | D | Learning programs for the computer |
| Germany | SQG-05I | D | Piano |
| Germany | SQG-05J | D | A person, who at least once a week helps in the household (cleaning help) |
| Germany | SQG-05K | D | Dishwashing machine |
| Hong Kong SAR | SQG-05H | D | Car |
| Hong Kong SAR | SQG-05I | D | Air conditioner |
| Hong Kong SAR | SQG-05J | D | Domestic helper |
| Hong Kong SAR | SQG-05K | D | Room for domestic helper |
| Hungary | SQG-05H | D | Dishwasher |
| Hungary | SQG-05I | D | Your own iPod, MP3/MP4 player (not one that is built in a phone) |
| Hungary | SQG-05J | D | Home cinema (system) |
| Hungary | SQG-05K | D | Digital camera (not part of a phone) |
| Indonesia | SQG-05H-K | X | Option not administered or data not available |
| Iran, Islamic Rep. of | SQG-05H | D | LED TV |
| Iran, Islamic Rep. of | SQG-05I | D | Foreign car |
| Iran, Islamic Rep. of | SQG-05J | D | Sofa |
| Iran, Islamic Rep. of | SQG-05K | D | Dishwasher |

| | | | |
|----------------|-----------|---|---|
| Ireland | SQG-05H | D | Your own smartphone (a phone on which you can get the Internet) |
| Ireland | SQG-05I | D | Premium ("pay extra") TV channels, such as BT Sport or Sky Movies |
| Ireland | SQG-05J | D | Two or more cars |
| Ireland | SQG-05K | D | TV in your bedroom |
| Italy | SQG-05H | D | Home alarm system |
| Italy | SQG-05I | D | Air conditioning |
| Italy | SQG-05J | D | Dishwasher |
| Italy | SQG-05K | D | Jacuzzi |
| Japan | SQG-05H | D | Calculator |
| Japan | SQG-05I | D | Book or puzzle related to mathematics (except textbook, dictionary, workbook) |
| Japan | SQG-05J | D | Astronomical telescope |
| Japan | SQG-05K | D | Pictorial book of plants |
| Jordan | SQG-05H | D | Digital camera |
| Jordan | SQG-05I | D | Automatic washing machine |
| Jordan | SQG-05J | D | Central heating |
| Jordan | SQG-05K | D | Air conditioner |
| Kazakhstan | SQG-05H-K | X | Option not administered or data not available |
| Korea, Rep. of | SQG-05H | D | Digital TV (e.g., wall-mounted TV, flat panel TV) |
| Korea, Rep. of | SQG-05I | D | Home theater (e.g., audio equipment) |
| Korea, Rep. of | SQG-05J | D | Dehumidifier |
| Korea, Rep. of | SQG-05K | D | Air conditioner |
| Kuwait | SQG-05H-K | X | Option not administered or data not available |
| Lithuania | SQG-05H | D | Encyclopedias, dictionaries |
| Lithuania | SQG-05I | D | E-book reader |
| Lithuania | SQG-05J | D | Video camera |
| Lithuania | SQG-05K | D | Digital or SLR camera |
| Morocco | SQG-05H | D | Bicycle |
| Morocco | SQG-05I | D | Car with a driver |
| Morocco | SQG-05J | D | Expensive watch |
| Morocco | SQG-05K | D | International brand clothes |
| Netherlands | SQG-05H-K | X | Option not administered or data not available |
| New Zealand | SQG-05H | D | Musical instruments (e.g., piano, violin, guitar) |
| New Zealand | SQG-05I | D | Clothes dryer |
| New Zealand | SQG-05J | D | Dishwasher |

| | | | |
|--------------------|-----------|---|---|
| New Zealand | SQG-05K | D | Two or more bathrooms |
| Northern Ireland | SQG-05H | D | Musical instrument |
| Northern Ireland | SQG-05I | D | An encyclopedia |
| Northern Ireland | SQG-05J | D | A second car |
| Northern Ireland | SQG-05K | D | Someone who is paid to clean your house or flat |
| Norway | SQG-05H | D | Flat screen TV |
| Norway | SQG-05I | D | More than one PC |
| Norway | SQG-05J | D | Piano or Violin |
| Norway | SQG-05K | D | Cottage and/or big boat |
| Norway (Grade 4) | SQG-05H | D | Flat screen TV |
| Norway (Grade 4) | SQG-05I | D | More than one PC |
| Norway (Grade 4) | SQG-05J | D | Piano or violin |
| Norway (Grade 4) | SQG-05K | D | Cottage and/or big boat |
| Oman | SQG-05H | D | TV |
| Oman | SQG-05I | D | Musical Instruments |
| Oman | SQG-05J | D | iPod |
| Oman | SQG-05K | D | CD Player |
| Poland | SQG-05H | D | DVD or Blu-ray in your room |
| Poland | SQG-05I-K | X | Option not administered or data not available |
| Portugal | SQG-05H | D | Washing machine |
| Portugal | SQG-05I | D | Cable or satellite TV |
| Portugal | SQG-05J | D | LCD or 3D TV set |
| Portugal | SQG-05K | D | Air conditioner |
| Qatar | SQG-05H | D | Private house maid |
| Qatar | SQG-05I | D | Private car driver |
| Qatar | SQG-05J-K | X | Option not administered or data not available |
| Russian Federation | SQG-05H | D | Musical instruments (e.g., guitar, piano) |
| Russian Federation | SQG-05I | D | Car (one or more) |
| Russian Federation | SQG-05J | D | Flat (or house) with 4 or more rooms |
| Russian Federation | SQG-05K | D | Dishwasher |
| Saudi Arabia | SQG-05H | D | Private garden |
| Saudi Arabia | SQG-05I | D | Swimming pool |
| Saudi Arabia | SQG-05J | D | 3D smart TV |
| Saudi Arabia | SQG-05K | D | Four-wheeled motorcycle |
| Serbia | SQG-05H-K | X | Option not administered or data not available |

| | | | |
|----------------------|-----------|---|---|
| Singapore | SQG-05H | D | Car |
| Singapore | SQG-05I | D | Domestic help (e.g., maid) |
| Singapore | SQG-05J | D | Air-conditioner |
| Singapore | SQG-05K | D | Your own digital media player (e.g., MP3/DVD player, iPod) |
| Slovak Republic | SQG-05H | D | We have digital educational programs (e.g., about human body, space, nature) |
| Slovak Republic | SQG-05I | D | Car |
| Slovak Republic | SQG-05J-K | X | Option not administered or data not available |
| Slovenia | SQG-05H | D | Advanced sports equipment (for skiing, tennis, mountain bike, etc.) |
| Slovenia | SQG-05I | D | Artwork, musical instruments, encyclopedias (e.g., pictures, statues, piano, etc.) |
| Slovenia | SQG-05J | D | Family trips or mountain hiking, family outings in the restaurant for lunch or dinner, or do sport activities together (e.g., skiing, tennis, golf) |
| Slovenia | SQG-05K | D | Every year we take a family vacation for at least 1 week outside our hometown |
| South Africa | SQG-05H | D | Dictionary |
| South Africa | SQG-05I | D | Electricity |
| South Africa | SQG-05J | D | Running tap water |
| South Africa | SQG-05K | D | Television (TV) |
| Spain | SQG-05H-K | X | Option not administered or data not available |
| Sweden | SQG-05H | D | Globe |
| Sweden | SQG-05I | D | Piano |
| Sweden | SQG-05J | D | Any musical instruments other than piano |
| Sweden | SQG-05K | X | Option not administered or data not available |
| Turkey | SQG-05H | D | Heating systems |
| Turkey | SQG-05I | D | Cooling systems (air conditioner) |
| Turkey | SQG-05J | D | Washing machine |
| Turkey | SQG-05K | D | Dishwasher |
| UAE, Abu Dhabi | SQG-05H | D | Smartphone |
| UAE, Abu Dhabi | SQG-05I | D | Swimming pool (if ITLANG = 1) / Pet (if ITLANG = 53) |
| UAE, Abu Dhabi | SQG-05J | D | Luxury watch (e.g., Rolex, Chopard, or Cartier) |
| UAE, Abu Dhabi | SQG-05K | D | Luxury car (e.g., Bentley, Rolls-Royce, or Maserati) |
| UAE, Dubai | SQG-05H | D | Smartphone |
| UAE, Dubai | SQG-05I | D | Swimming pool (if ITLANG = 1) / Pet (if ITLANG = 53) |
| UAE, Dubai | SQG-05J | D | Luxury watch (e.g., Rolex, Chopard, or Cartier) |
| UAE, Dubai | SQG-05K | D | Luxury car (e.g., Bentley, Rolls-Royce, or Maserati) |
| United Arab Emirates | SQG-05H | D | Smartphone |

| | | | |
|----------------------|-----------|---|--|
| United Arab Emirates | SQG-05I | D | Swimming pool (if ITLANG = 1) / Pet (if ITLANG = 53) |
| United Arab Emirates | SQG-05J | D | Luxury watch (e.g., Rolex, Chopard, or Cartier) |
| United Arab Emirates | SQG-05K | D | Luxury car (e.g., Bentley, Rolls-Royce, or Maserati) |
| United States | SQG-05H | D | VCR, DVD, or Blu-ray player |
| United States | SQG-05I-K | X | Option not administered or data not available |
| USA, Florida | SQG-05H | D | VCR, DVD, or Blu-ray player |
| USA, Florida | SQG-05I-K | X | Option not administered or data not available |

SQG-06A**Question:**

Was your mother (or stepmother or female guardian) born in <country>?

1 = Yes

2 = No

3 = I don't know

Variable Name(s): ASBG06A

| Country | Item ID | Code | Documentation |
|---------------|---------|------|---|
| Netherlands | SQG-06A | D | National options recoded for international comparability: 1 = The Netherlands 2 = Suriname / Turkey or Morocco / Belgium, Germany, France or England / Other country 3 = I don't know |
| Poland | SQG-06A | X | Question not administered or data not available |
| United States | SQG-06A | D | Stem of the question changed: Was your mother (or stepmother or female legal guardian) born in the United States? ("United States" includes the 50 states, its territories, the District of Columbia, and U.S. military bases abroad) |
| USA, Florida | SQG-06A | D | Stem of the question changed: Was your mother (or stepmother or female legal guardian) born in the United States? ("United States" includes the 50 states, its territories, the District of Columbia, and U.S. military bases abroad) |

SQG-06B

Question:

Was your father (or stepfather or male guardian) born in <country>?

1 = Yes

2 = No

3 = I don't know

Variable Name(s): ASBG06B

| Country | Item ID | Code | Documentation |
|---------------|---------|------|---|
| Netherlands | SQG-06B | D | National options recoded for international comparability: 1 = The Netherlands 2 = Suriname / Turkey or Morocco / Belgium, Germany, France or England / Other country 3 = I don't know |
| Poland | SQG-06B | X | Question not administered or data not available |
| United States | SQG-06B | D | Stem of the question changed: Was your father (or stepfather or male legal guardian) born in the United States? ("United States" includes the 50 states, its territories, the District of Columbia, and U.S. military bases abroad) |
| USA, Florida | SQG-06B | D | Stem of the question changed: Was your father (or stepfather or male legal guardian) born in the United States? ("United States" includes the 50 states, its territories, the District of Columbia, and U.S. military bases abroad) |

SQG-07

Question:

Were you born in <country>?

1 = Yes

2 = No

Variable Name(s): ASBG07

| Country | Item ID | Code | Documentation |
|---------|---------|------|---|
| Poland | SQG-07 | X | Question not administered or data not available |

SQG-08

Question:

About how often are you absent from school?

1 = Once a week or more

2 = Once every two weeks

3 = Once a month

4 = Never or almost never

Variable Name(s): ASBG08

| Country | Item ID | Code | Documentation |
|-------------|---------|------|---|
| New Zealand | SQG-08 | X | Question not administered or data not available |

SQG-11A-G

Question:

What do you think about your school? Tell how much you agree with these statements.

- A: I like being in school
- B: I feel safe when I am at school
- C: I feel like I belong at this school
- D: I like to see my classmates at school
- E: Teachers at my school are fair to me
- F: I am proud to go to this school
- G: I learn a lot in school

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

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

| Country | Item ID | Code | Documentation |
|-----------|---------|------|--|
| Indonesia | SQG-11D | D | I'm happy to meet my friends at school |

SQMS-01A-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): ASBM01A, ASBM01B, ASBM01C, ASBM01D, ASBM01E, ASBM01F, ASBM01G, ASBM01H, ASBM01I

| Country | Item ID | Code | Documentation |
|---------|------------|------|---|
| Croatia | SQMS-01G | D | I like to solve tasks with words |
| Serbia | SQMS-01A-I | D | Nationally defined categories: 1 = I agree completely 2 = I agree more than I disagree 3 = I disagree more than I agree 4 = I disagree completely |

SQMS-04A-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): ASBS04A, ASBS04B, ASBS04C, ASBS04D, ASBS04E, ASBS04F, ASBS04G, ASBS04H, ASBS04I

| Country | Item ID | Code | Documentation |
|---------|------------|------|---|
| Serbia | SQMS-04A-I | D | Nationally defined categories: 1 = I agree completely 2 = I agree more than I disagree 3 = I disagree more than I agree 4 = I disagree completely |



SECTION 2: **FOURTH GRADE –** **HOME QUESTIONNAIRE** **(EARLY LEARNING SURVEY)**

TIMSS 2015 USER GUIDE FOR THE
INTERNATIONAL DATABASE



IEA

TIMSS & PIRLS
International Study Center
Lynch School of Education, Boston College

HQ-01A-C

Question:

This survey was completed by:

A: Mother, stepmother, or female guardian

B: Father, stepfather, or male guardian

C: Other

1 = Yes

2 = No

Variable Name(s): ASBH01A, ASBH01B, ASBH01C

| Country | Item ID | Code | Documentation |
|--------------|---------|------|---|
| South Africa | HQ-01A | D | Mother or stepmother / Grandmother / Sister / Female guardian |
| South Africa | HQ-01B | D | Father or stepfather / Grandfather / Brother / Male guardian |

HQ-02A-P

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

1 = Often

2 = Sometimes

3 = Never or almost never

Variable Name(s): ASBH02A, ASBH02B, ASBH02C, ASBH02D, ASBH02E, ASBH02F, ASBH02G, ASBH02H, ASBH02I, ASBH02J, ASBH02K, ASBH02L, ASBH02M, ASBH02N, ASBH02O, ASBH02P

| Country | Item ID | Code | Documentation |
|---------|----------|------|---|
| Ireland | HQ-02A-P | 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? |

HQ-04A-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): ASBH04A, ASBH04B, ASBH04C, ASBH04D, ASBH04E, ASBH04F

| Country | Item ID | Code | Documentation |
|-------------------|----------|------|---|
| ARG, Buenos Aires | HQ-04B | D | English |
| ARG, Buenos Aires | HQ-04C | D | Portuguese |
| ARG, Buenos Aires | HQ-04D | D | Guarani |
| ARG, Buenos Aires | HQ-04E | D | Chinese |
| Australia | HQ-04B | D | Italian |
| Australia | HQ-04C | D | Greek |
| Australia | HQ-04D | D | Cantonese |
| Australia | HQ-04E | D | Arabic |
| Australia | HQ-04F | D | Mandarin / Other |
| Bahrain | HQ-04B | D | Arabic (if ITLANG = 1) / English (if ITLANG = 53) |
| Bahrain | HQ-04C | D | Persian |
| Bahrain | HQ-04D | D | Indian |
| Bahrain | HQ-04E | D | Pakistani |
| Belgium, Flemish | HQ-04B | D | French |
| Belgium, Flemish | HQ-04C | D | Turkish |
| Belgium, Flemish | HQ-04D | D | Arabic |
| Belgium, Flemish | HQ-04E | D | Moroccan |
| Belgium, Flemish | HQ-04F | D | Kurdish / Berbers / English / Polish / Romanian / Bulgarian / Other |
| Bulgaria | HQ-04B | D | Turkish language |
| Bulgaria | HQ-04C | D | Romani language |
| Bulgaria | HQ-04D-E | X | Option not administered or data not available |
| CAN, Ontario | HQ-04B | D | English (if ITLANG = 3) / French (if ITLANG = 1) |
| CAN, Ontario | HQ-04C-E | X | Option not administered or data not available |
| CAN, Quebec | HQ-04B | D | English (if ITLANG = 3) / French (if ITLANG = 1) |
| CAN, Quebec | HQ-04C-E | X | Option not administered or data not available |

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|----------------|----------|---|--|
| Canada | HQ-04B | D | English (if ITLANG = 3) / French (if ITLANG = 1) |
| Canada | HQ-04C-E | X | Option not administered or data not available |
| Chile | HQ-04B-E | X | Option not administered or data not available |
| Chinese Taipei | HQ-04B | D | Taiwanese language (Fukien) |
| Chinese Taipei | HQ-04C | D | Hakka |
| Chinese Taipei | HQ-04D | D | Aboriginal language |
| Chinese Taipei | HQ-04E | D | English or American English |
| Croatia | HQ-04B | D | Croatian (if ITLANG = 37) / Serbian (if ITLANG = 56) |
| Croatia | HQ-04C | D | Italian |
| Croatia | HQ-04D | D | Hungarian |
| Croatia | HQ-04E | D | Czech |
| Cyprus | HQ-04B | D | English |
| Cyprus | HQ-04C | D | Russian |
| Cyprus | HQ-04D | D | Bulgarian |
| Cyprus | HQ-04E | D | Romanian |
| Czech Republic | HQ-04B | D | Slovak |
| Czech Republic | HQ-04C | D | Romani |
| Czech Republic | HQ-04D | D | Russian |
| Czech Republic | HQ-04E | D | Ukraine |
| Czech Republic | HQ-04F | D | Vietnamese / Chinese / Other |
| Denmark | HQ-04B | D | Turkish |
| Denmark | HQ-04C | D | Arabic |
| Denmark | HQ-04D | D | Serbo-Croatian/Bosnian |
| Denmark | HQ-04E | D | Punjabi |
| Finland | HQ-04B | D | Finnish (if ITLANG = 32) / Swedish (if ITLANG = 43) |
| Finland | HQ-04C | D | Sami |
| Finland | HQ-04D | D | Romany |
| Finland | HQ-04E | D | Russian |
| France | HQ-04B | D | Arabic |
| France | HQ-04C | D | An African language |
| France | HQ-04D | D | Portuguese |
| France | HQ-04E | D | Turkish |
| Georgia | HQ-04B | D | Russian |
| Georgia | HQ-04C | D | Armenian |
| Georgia | HQ-04D | D | Azeri |

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|-----------------------|----------|---|---|
| Georgia | HQ-04E | D | English |
| Germany | HQ-04B | D | Turkish |
| Germany | HQ-04C | D | Italian |
| Germany | HQ-04D | D | Russian |
| Germany | HQ-04E | D | Polish |
| Germany | HQ-04F | D | Other / Bosnian / Serbian / Greek / Another European language / Another African language / Another Arabic language / Another Asian language |
| Hong Kong SAR | HQ-04B | D | Cantonese (if ITLANG = 1) / English (if ITLANG = 10) |
| Hong Kong SAR | HQ-04C | D | Putonghua (Mandarin) |
| Hong Kong SAR | HQ-04D | D | Other Chinese dialects (e.g., Chiuchow dialect, Hokkien dialect, etc.) |
| Hong Kong SAR | HQ-04E | D | Other Asian languages (e.g., Indian, Indonesian, Thai, etc.) |
| Hungary | HQ-04B-E | X | Option not administered or data not available |
| Indonesia | HQ-04B | D | Traditional language |
| Indonesia | HQ-04C | D | Foreign language |
| Indonesia | HQ-04D-E | X | Option not administered or data not available |
| Iran, Islamic Rep. of | HQ-04B | D | Turkish |
| Iran, Islamic Rep. of | HQ-04C | D | Kurdish |
| Iran, Islamic Rep. of | HQ-04D | D | Arabic |
| Iran, Islamic Rep. of | HQ-04E | D | Balouchi |
| Ireland | HQ-04B | D | Irish (if ITLANG = 1) / English (if ITLANG = 41) |
| Ireland | HQ-04C | D | Polish |
| Ireland | HQ-04D | D | Romanian |
| Ireland | HQ-04E | D | French |
| Italy | HQ-04B | D | Another language officially recognized in Italy (e.g., Ladino in Alto Adige, French in Val d'Aosta) |
| Italy | HQ-04C | D | A dialect |
| Italy | HQ-04D | D | Another language of the European Union |
| Italy | HQ-04E | D | Another language (e.g., Albanian, Arab, Chinese), etc. |
| Italy | HQ-04F | X | Option not administered or data not available |
| Japan | HQ-04B | D | English |
| Japan | HQ-04C | D | Chinese |
| Japan | HQ-04D | D | Korean |
| Japan | HQ-04E | D | Portuguese |
| Jordan | HQ-04B | D | English |
| Jordan | HQ-04C | D | Romanian |
| Jordan | HQ-04D | D | German |

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| Jordan | HQ-04E | D | Russian |
| Kazakhstan | HQ-04A | D | Russian (if ITLANG = 29) / Kazakh (if ITLANG = 39) |
| Kazakhstan | HQ-04B | D | Kazakh (if ITLANG = 29) / Russian (if ITLANG = 39) |
| Kazakhstan | HQ-04C-E | X | Option not administered or data not available |
| Korea, Rep. of | HQ-04B | D | Vietnamese |
| Korea, Rep. of | HQ-04C | D | English |
| Korea, Rep. of | HQ-04D | D | Japanese |
| Korea, Rep. of | HQ-04E | D | Chinese |
| Korea, Rep. of | HQ-04F | D | Khmer (Cambodia) / Tagalog (Filipino) / Thai / Other language |
| Kuwait | HQ-04B | D | English (if ITLANG = 53) / Arabic (if ITLANG = 1) |
| Kuwait | HQ-04C | D | Kuwaiti Dialect |
| Kuwait | HQ-04D | D | GCC Dialect(s) |
| Kuwait | HQ-04E | D | Other Arabic Dialect(s) |
| Lithuania | HQ-04A | D | Lithuanian (if ITLANG = 22) / Polish (if ITLANG = 27) / Russian (if ITLANG = 29) |
| Lithuania | HQ-04B | D | Lithuanian |
| Lithuania | HQ-04C | D | Russian |
| Lithuania | HQ-04D | D | Polish |
| Morocco | HQ-04B | D | Amazigh language |
| Morocco | HQ-04C | D | French |
| Morocco | HQ-04D | D | Spanish |
| Morocco | HQ-04E | D | English |
| Netherlands | HQ-04B | D | Turkish |
| Netherlands | HQ-04C | D | Moroccan |
| Netherlands | HQ-04D | D | Surinamese |
| Netherlands | HQ-04E | D | German |
| Netherlands | HQ-04F | D | English / Other |
| New Zealand | HQ-04B | D | Māori |
| New Zealand | HQ-04C | D | A Pacific Islands language (e.g., Samoan, Tongan, Niuean) |
| New Zealand | HQ-04D | D | An Asian language (e.g., Mandarin, Korean, Hindi) |
| New Zealand | HQ-04E | D | New Zealand Sign Language |
| New Zealand | HQ-04F | D | Another language (e.g., Afrikaans, Somali) |
| Northern Ireland | HQ-04B | D | Irish |
| Northern Ireland | HQ-04C | D | Polish |
| Northern Ireland | HQ-04D | D | Lithuanian |

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|--------------------|----------|---|---|
| Northern Ireland | HQ-04E | D | Portuguese |
| Northern Ireland | HQ-04F | D | Chinese / Other |
| Norway | HQ-04A | D | Norwegian |
| Norway | HQ-04B | D | Sami |
| Norway | HQ-04C | D | Swedish or Danish |
| Norway | HQ-04D | D | Urdu |
| Norway | HQ-04E | D | Polish |
| Norway (Grade 4) | HQ-04B | D | Sami |
| Norway (Grade 4) | HQ-04C | D | Swedish or Danish |
| Norway (Grade 4) | HQ-04D | D | Urdu |
| Norway (Grade 4) | HQ-04E | D | Polish |
| Oman | HQ-04B | D | Arabic |
| Oman | HQ-04C | D | Swahili |
| Oman | HQ-04D | D | Balochi |
| Oman | HQ-04E | D | Laotian |
| Poland | HQ-04B | D | German |
| Poland | HQ-04C | D | Ukrainian |
| Poland | HQ-04D | D | Belarussian |
| Poland | HQ-04E | X | Option not administered or data not available |
| Portugal | HQ-04B | D | Creole |
| Portugal | HQ-04C | D | Ukrainian |
| Portugal | HQ-04D | D | Chinese |
| Portugal | HQ-04E | D | English |
| Qatar | HQ-04B | D | Arabic (if ITLANG = 1) / English (if ITLANG = 53) |
| Qatar | HQ-04C | D | Persian |
| Qatar | HQ-04D | D | Balochi |
| Qatar | HQ-04E | D | Swahili |
| Russian Federation | HQ-04B-E | X | Option not administered or data not available |
| Saudi Arabia | HQ-04B | D | Arabic (if ITLANG = 1) / English (if ITLANG = 53) |
| Saudi Arabia | HQ-04C | D | French |
| Saudi Arabia | HQ-04D | D | Urdu |
| Saudi Arabia | HQ-04E | D | Local dialect |
| Serbia | HQ-04B | D | Hungarian |
| Serbia | HQ-04C | D | Romani |
| Serbia | HQ-04D | D | Slovakian |

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|----------------------|----------|---|--|
| Serbia | HQ-04E | D | Romanian |
| Singapore | HQ-04B | D | Mandarin |
| Singapore | HQ-04C | D | Malay |
| Singapore | HQ-04D | D | Tamil |
| Singapore | HQ-04E | D | A Chinese dialect |
| Slovak Republic | HQ-04B | D | Hungarian (if ITLANG = 17) / Slovak (if ITLANG = 30) |
| Slovak Republic | HQ-04C | D | Roma language |
| Slovak Republic | HQ-04D | D | Czech |
| Slovak Republic | HQ-04E | D | Ruthenian language |
| Slovenia | HQ-04B | D | Hungarian |
| Slovenia | HQ-04C | D | Italian |
| Slovenia | HQ-04D | D | Croatian or Bosnian or Serbian |
| Slovenia | HQ-04E | D | Roma |
| South Africa | HQ-04B | D | Afrikaans |
| South Africa | HQ-04C | D | IsiNdebele |
| South Africa | HQ-04D | D | Sepedi |
| South Africa | HQ-04E | D | Sesotho |
| South Africa | HQ-04F | D | Seswati / Setswana / Tshivenda / IsiXhosa / IsiZulu / Xitsonga / Other |
| Spain | HQ-04B | D | Catalan (if ITLANG = 2, 51, or 52) / Spanish (if ITLANG = 49) |
| Spain | HQ-04C | D | Galician |
| Spain | HQ-04D | D | Valencian (if ITLANG = 2, 49, or 51) / Spanish (if ITLANG = 52) |
| Spain | HQ-04E | D | Basque (if ITLANG = 2, 49, or 52) / Spanish (if ITLANG = 51) |
| Sweden | HQ-04B-E | X | Option not administered or data not available |
| Turkey | HQ-04B-E | X | Option not administered or data not available |
| UAE, Abu Dhabi | HQ-04B | D | Arabic (if ITLANG = 1) / English (if ITLANG = 53) |
| UAE, Abu Dhabi | HQ-04C | D | Persian |
| UAE, Abu Dhabi | HQ-04D | D | Urdu |
| UAE, Abu Dhabi | HQ-04E | D | Tagalog |
| UAE, Dubai | HQ-04B | D | Arabic (if ITLANG = 1) / English (if ITLANG = 53) |
| UAE, Dubai | HQ-04C | D | Persian |
| UAE, Dubai | HQ-04D | D | Urdu |
| UAE, Dubai | HQ-04E | D | Tagalog |
| United Arab Emirates | HQ-04B | D | Arabic (if ITLANG = 1) / English (if ITLANG = 53) |
| United Arab Emirates | HQ-04C | D | Persian |
| United Arab Emirates | HQ-04D | D | Urdu |

United Arab Emirates

HQ-04E

D

Tagalog

HQ-05AA-AB**Question:**

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

A: <Early childhood educational development—ISCED Level 0> program for children under 3

B: <Pre-primary education—ISCED Level 0> program including <Kindergarten> for children age 3 or older

1 = Yes

2 = No

Variable Name(s): ASBH05AA, ASBH05AB

| Country | Item ID | Code | Documentation |
|-------------------|------------|------|--|
| ARG, Buenos Aires | HQ-05AA | D | Day care for children up to three years old |
| ARG, Buenos Aires | HQ-05AB | D | Kindergarten for children aged more than three but still not in primary education age |
| Australia | HQ-05AA | D | An early childhood education program for children under 3 (may be provided in regular childcare centers) |
| Australia | HQ-05AB | D | A pre-primary education program for children aged 3 or older, such as kindergarten or preschool (also available in some childcare centers) |
| Bahrain | HQ-05AA | D | Early childhood educational development - Nursery program for children under 3 |
| Bahrain | HQ-05AB | D | Pre-primary education - kindergarten program for children age 3 or older |
| Belgium, Flemish | HQ-05AA | D | Child daycare (e.g., childminder, nursery) |
| Belgium, Flemish | HQ-05AB | D | Kindergarten |
| Bulgaria | HQ-05AA | D | Crèche |
| Bulgaria | HQ-05AB | D | Kindergarten or pre-primary group |
| CAN, Ontario | HQ-05AA | D | Early childhood education program for children under 3 |
| CAN, Ontario | HQ-05AB | D | Pre-primary education program including kindergarten for children age 3 or older |
| CAN, Quebec | HQ-05AA | D | Early childhood education program for children under 3 |
| CAN, Quebec | HQ-05AB | D | Pre-primary education program including kindergarten for children age 3 or older |
| Canada | HQ-05AA | D | Early childhood education program for children under 3 |
| Canada | HQ-05AB | D | Pre-primary education program including kindergarten for children age 3 or older |
| Chile | HQ-05AA | D | Preschool education for children under 3 years |
| Chile | HQ-05AB | D | Pre-primary education for children age 3 or older (including pre-kindergarten and kindergarten) |
| Chinese Taipei | HQ-05AA | D | Kindergarten or nursery for children under 3 |
| Chinese Taipei | HQ-05AA-AB | D | Stem of the question changed: Did your child attend kindergarten or nursery? |

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| Chinese Taipei | HQ-05AB | D | Kindergarten or nursery for children age 3 or older |
| Croatia | HQ-05AA | D | Day nursery |
| Croatia | HQ-05AA-AB | D | Stem of the question changed: Did your child attend the following educational institutions before first grade? |
| Croatia | HQ-05AB | D | Kindergarten |
| Cyprus | HQ-05AA | D | Preschool education program for children under three years |
| Cyprus | HQ-05AB | D | Preschool education program (including kindergarten) for children 3 years or older |
| Czech Republic | HQ-05AA | D | Nursery program for children under 3 |
| Czech Republic | HQ-05AB | D | Kindergarten or other form of pre-primary education for children age 3 or older |
| Denmark | HQ-05AA | D | Nursery |
| Denmark | HQ-05AA-AB | D | Stem of the question changed: Did your child attend early childhood educational development or kindergarten before pre school? |
| Denmark | HQ-05AB | D | Pre-primary education - kindergarten |
| Finland | HQ-05AA | D | Kindergarten center for children under 3 years of age |
| Finland | HQ-05AA-AB | D | Stem of the question changed: Did your child attend kindergarten or go to pre-primary education before starting first grade in primary school? |
| Finland | HQ-05AB | D | Pre-primary education for children 3 years of age or older |
| France | HQ-05AA | D | An early childhood education facility for children under 3 years (including kindergarten to 2 years) |
| France | HQ-05AB | D | Kindergarten for children 3 years old or more |
| Georgia | HQ-05AA | D | Kindergarten for children below the age of 3 |
| Georgia | HQ-05AB | D | Kindergarten for children of age 3 or higher |
| Germany | HQ-05AA | D | Early childhood education for under 3 years old |
| Germany | HQ-05AB | D | Preschool education including nursery and preschool for children starting at 3 years old |
| Hong Kong SAR | HQ-05AA | D | Early childhood educational development program (e.g., pre-school, nursery, etc.) for children under 3 |
| Hong Kong SAR | HQ-05AB | D | Pre-primary education program, including kindergarten, for children age 3 or older |
| Hungary | HQ-05AA | D | Crèche |
| Hungary | HQ-05AB | D | Kindergarten |
| Indonesia | HQ-05AA | D | Early childhood educational development or program for children under 3 |
| Indonesia | HQ-05AB | D | Pre-primary education or program for children age 3 or older |
| Iran, Islamic Rep. of | HQ-05AA | D | Kindergarten under 3 years |
| Iran, Islamic Rep. of | HQ-05AB | D | Pre-school ages 3 or older |
| Ireland | HQ-05AA | D | Formal educational program for children under 3 |

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| Ireland | HQ-05AA-AB | D | Stem of the question changed: Did your child attend the following before First class? |
| Ireland | HQ-05AB | D | Formal educational program for children age 3 or older (e.g., Junior and Senior Infants, Montessori, Naoínra, Early Start, Kindergarten) |
| Italy | HQ-05AA | D | Nursery (children's program under the age of 3 years) |
| Italy | HQ-05AB | D | Pre-primary school program including kindergarten for children age 3 or older |
| Japan | HQ-05AA | X | Question not administered or data not available |
| Japan | HQ-05AB | X | Question not administered or data not available |
| Kazakhstan | HQ-05AA | D | Early childhood care and education by kindergarten for children under 3 |
| Kazakhstan | HQ-05AA-AB | D | Stem of the question changed: Did your child attend the following preschool education organizations before first grade? |
| Kazakhstan | HQ-05AB | D | Preschool education by kindergarten program for children aged 3 or older |
| Korea, Rep. of | HQ-05AA | D | Educational institute for children under 3 |
| Korea, Rep. of | HQ-05AB | D | Educational institute for children age 3 or older |
| Kuwait | HQ-05AA | D | Early childhood care center program for children under 3 |
| Kuwait | HQ-05AB | D | Kindergarten program for children age 3 or older |
| Lithuania | HQ-05AA | D | Institution that provides pre-primary education for children under 3 (e.g., attended the nursery - kindergarten) |
| Lithuania | HQ-05AB | D | Institution that provides pre-primary education for children age 3 or older (e.g., attended the kindergarten) / Institution that provides pre-primary education (i.e. attended preliminary class) |
| Morocco | HQ-05AA | D | Early children educational development program for children under 3 |
| Morocco | HQ-05AB | D | Pre-primary school program for children age 3 or older |
| Netherlands | HQ-05AA | X | Option not administered or data not available |
| Netherlands | HQ-05AB | D | Stem of the question changed: Did your child attend kindergarten before first grade? |
| New Zealand | HQ-05AA | D | Early childhood education (ECE), excluding playgroups, for children under 3 |
| New Zealand | HQ-05AB | D | Early childhood education (ECE), excluding playgroups, for children age 3 or older |
| Northern Ireland | HQ-05AA | D | Early childhood setting for children under 3 (e.g., a registered child minder) |
| Northern Ireland | HQ-05AB | D | Pre-primary education setting for children before Year 1 (e.g., Nursery before Year 1) |
| Norway | HQ-05AA | D | Before the child was 3 years old |
| Norway | HQ-05AA-AB | D | Stem of the question changed: Did your child go to kindergarten? |
| Norway | HQ-05AB | D | When the child was between 3 and 6 years old |
| Norway (Grade 4) | HQ-05AA | D | Before the child was 3 years old |
| Norway (Grade 4) | HQ-05AA-AB | D | Stem of the question changed: Did your child go to kindergarten? |
| Norway (Grade 4) | HQ-05AB | D | When the child was between 3 and 6 years old |

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| Oman | HQ-05AA | D | Early childhood educational development program for children under 3 |
| Oman | HQ-05AB | D | Pre-primary education program including kindergarten for children age 3 or older |
| Poland | HQ-05AA | D | Stem of the question changed: Did your child attend day care center, and how long? |
| Poland | HQ-05AB | D | Stem of the question changed: Did your child attend kindergarten, and how long? |
| Portugal | HQ-05AA | D | Nursery program for children under 3 |
| Portugal | HQ-05AA-AB | D | Stem of the question changed: Did your child attend the following care/childhood educations arrangements? |
| Portugal | HQ-05AB | D | Pre-primary education program for children age 3 or older |
| Qatar | HQ-05AA | D | Program for children under 3 |
| Qatar | HQ-05AB | D | Kindergarten for children age 3 or older |
| Russian Federation | HQ-05AA | D | Early childhood educational development program for children under 3 |
| Russian Federation | HQ-05AA-AB | D | Stem of the question changed: Did your child attend any educational institution that implemented the following programs of development before entering in the school? |
| Russian Federation | HQ-05AB | D | Early childhood educational development program for children older than 3 |
| Saudi Arabia | HQ-05AA | D | Early childhood educational development program for children under 3 |
| Saudi Arabia | HQ-05AB | D | Pre-primary education program including kindergarten for children age 3 or older |
| Serbia | HQ-05AA | D | Pre-school program for children younger than 3 years |
| Serbia | HQ-05AB | D | Pre-school program including kindergarten for children age 3 or older |
| Singapore | HQ-05AA | D | Infant care program for children under 3 |
| Singapore | HQ-05AB | D | Pre-school program including nursery and kindergarten for children age 3 or older |
| Slovak Republic | HQ-05AA | D | A crèche facility for children under 3 years |
| Slovak Republic | HQ-05AB | D | A preschool facility for children age 3 or older - kindergarten |
| Slovenia | HQ-05AA | D | Program for children younger than 3 years |
| Slovenia | HQ-05AB | D | Program for children 3 years or older |
| South Africa | HQ-05AA | D | Preschool education for children under 3 |
| South Africa | HQ-05AB | D | Pre-primary education including Grade RR for children age 3 or older |
| Spain | HQ-05AA | D | Infant education, educational programmes for children under 3 |
| Spain | HQ-05AB | D | Infant education for children age 3 or older, including kindergarten |
| Sweden | HQ-05AA | D | Preschool for children under 3 |
| Sweden | HQ-05AB | D | Preschool for children 3 or older |
| Turkey | HQ-05AA | D | Early childhood education institutions for children under 3 (e.g., housing, day care or nursing home) |
| Turkey | HQ-05AB | D | Pre-school educational institutions (e.g., kindergarten) for children age 3 and older |

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| UAE, Abu Dhabi | HQ-05AA | D | Nursery program for children under 3 |
| UAE, Abu Dhabi | HQ-05AB | D | Pre-primary program including kindergarten for children age 3 or older |
| UAE, Dubai | HQ-05AA | D | Nursery program for children under 3 |
| UAE, Dubai | HQ-05AB | D | Pre-primary program including kindergarten for children age 3 or older |
| United Arab Emirates | HQ-05AA | D | Nursery program for children under 3 |
| United Arab Emirates | HQ-05AB | D | Pre-primary program including kindergarten for children age 3 or older |

HQ-05B**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): ASBH05B

| Country | Item ID | Code | Documentation |
|-------------|---------|------|---|
| Japan | HQ-05B | X | Question not administered or data not available |
| Netherlands | HQ-05B | D | <p>Stem of the question changed: Approximately, how long was your child in kindergarten altogether?</p> <p>National options recoded for international comparability: 1 = Option not administered or data not available 2 = Shorter than 1 year 3 = 1 year to 1.5 years / 1.5 years to 2 years 4 = 2 years to 2.5 years / 2.5 years to 3 years 5 = 3 years to 3.5 years / 3.5 years to 4 years 6 = 4 years or longer</p> |

HQ-06**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): ASBH06

| Country | Item ID | Code | Documentation |
|---------|---------|------|---|
| Georgia | HQ-06 | D | <p>Stem of the question changed: How old was your child when he/she entered school?</p> |
| Germany | HQ-06 | D | <p>Stem of the question changed: How old was your child when he/she came to primary school?</p> |

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| Ireland | HQ-06 | D | Stem of the question changed: How old was your child when he/she started First class? |
| Northern Ireland | HQ-06 | X | Question not administered or data not available |
| Norway | HQ-06 | D | Stem of the question changed: How old was your child when he/she started school? |
| Norway (Grade 4) | HQ-06 | D | Stem of the question changed: How old was your child when he/she started school? |
| Russian Federation | HQ-06 | D | Stem of the question changed: How old was your child when your child entered the school? |
| Singapore | HQ-06 | D | Stem of the question changed: How old was your child when he/she began Primary 1? |

HQ-07A-F**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 some words

1 = Very well

2 = Moderately well

3 = Not very well

4 = Not at all

Variable Name(s): ASBH07A, ASBH07B, ASBH07C, ASBH07D, ASBH07E, ASBH07F

| Country | Item ID | Code | Documentation |
|------------------|----------|------|--|
| Bulgaria | HQ-07D | D | Read connected text |
| Chinese Taipei | HQ-07E | D | Write letters of the phonetic symbols |
| Georgia | HQ-07A-F | D | Stem of the question changed: How well could your child do the following by the time he/she entered school? |
| Germany | HQ-07A-F | D | Stem of the question changed: How good could your child do the following things when he/she first came to primary school? |
| Ireland | HQ-07A-F | D | Stem of the question changed: How well could your child do the following when he/she began First class? |
| Japan | HQ-07A | D | Recognize most of the kana letters |
| Japan | HQ-07A | D | Write kana letters |
| Norway | HQ-07A-F | D | Stem of the question changed: How well could your child do the following when he/she started school? |
| Norway (Grade 4) | HQ-07A-F | D | Stem of the question changed: How well could your child do the following when he/she started school? |
| Northern Ireland | HQ-07A-F | X | Question not administered or data not available |

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|--------------------|----------|---|---|
| Russian Federation | HQ-07A-F | D | Stem of the question changed: How well could your child do the following when he/she entered the school? |
| Singapore | HQ-07A-F | D | Stem of the question changed: How well could your child do the following when he/she began Primary 1? |

HQ-08A-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): ASBH08A, ASBH08B, ASBH08C

| Country | Item ID | Code | Documentation |
|--------------------|----------|------|--|
| Georgia | HQ-08A-C | D | Stem of the question changed: Could your child do the following by the time she/he entered school? |
| Germany | HQ-08A-C | D | Stem of the question changed: Could your child do the following things when he or she came to school? |
| Ireland | HQ-08A-C | D | Stem of the question changed: How well could your child do the following when he/she began First class? |
| Northern Ireland | HQ-08A-C | X | Question not administered or data not available |
| Norway | HQ-08A-C | D | Stem of the question changed: Could your child do the following when he/she started school? |
| Norway (Grade 4) | HQ-08A-C | D | Stem of the question changed: Could your child do the following when he/she started school? |
| Russian Federation | HQ-08A-C | D | Stem of the question changed: Could your child do the following when he/she entered the school? |
| Singapore | HQ-08A-C | D | Stem of the question changed: Could your child do the following when he/she began Primary 1? |

HQ-08D-G

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

F: Count money

G: Measure lengths or heights

1 = Yes

2 = No

Variable Name(s): ASBH08D, ASBH08E, ASBH08F, ASBH08G

| Country | Item ID | Code | Documentation |
|--------------------|----------|------|--|
| Georgia | HQ-08D-G | D | Stem of the question changed: Could your child do the following by the time she/he entered school? |
| Germany | HQ-08D-G | D | Stem of the question changed: Could your child do the following things when he or she came to school? |
| Ireland | HQ-08D-G | D | Stem of the question changed: How well could your child do the following when he/she began First class? |
| Northern Ireland | HQ-08D-G | X | Question not administered or data not available |
| Norway | HQ-08D-G | D | Stem of the question changed: Could your child do the following when he/she started school? |
| Norway (Grade 4) | HQ-08D-G | D | Stem of the question changed: Could your child do the following when he/she started school? |
| Russian Federation | HQ-08D-G | D | Stem of the question changed: Could your child do the following when he/she entered the school? |
| Singapore | HQ-08D-G | D | Stem of the question changed: Could your child do the following when he/she began Primary 1? |

HQ-10AA-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): ASBH10AA, ASBH10AB

| Country | Item ID | Code | Documentation |
|---------|---------|------|--------------------|
| Serbia | HQ-10AB | D | Nature and Society |

HQ-10BA-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): ASBH10BA, ASBH10BB

| Country | Item ID | Code | Documentation |
|---------|---------|------|--------------------|
| Serbia | HQ-10BB | D | Nature and Society |

HQ-11A-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): ASBH11A, ASBH11B, ASBH11C, ASBH11D, ASBH11E, ASBH11F, ASBH11G, ASBH11H

| Country | Item ID | Code | Documentation |
|--------------------|----------|------|---|
| Russian Federation | HQ-11H | D | My child's school does a good job in helping him/her become better at understanding the "environment around us" |
| Serbia | HQ-11A-H | D | Nationally defined categories: 1 = I agree completely 2 = I agree more than I disagree 3 = I disagree more than I agree 4 = I disagree completely |

HQ-16A-H

Question:

How much do you agree with these statements about mathematics and science?

- A: Most occupations need skills in math, science, or technology
- B: Science and technology can help solve the world's problems
- C: Science explains how things in the world work
- D: My child needs mathematics to get ahead in the world
- E: Learning science is for everyone
- F: Technology makes life easier
- G: Mathematics is applicable to real life
- H: Engineering is necessary to design things that are safe and useful

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

Variable Name(s): ASBH16A, ASBH16B, ASBH16C, ASBH16D, ASBH16E, ASBH16F, ASBH16G, ASBH16H

| Country | Item ID | Code | Documentation |
|---------|----------|------|---|
| Serbia | HQ-16A-H | D | Nationally defined categories: 1 = I agree completely 2 = I agree more than I disagree 3 = I disagree more than I agree 4 = I disagree completely |

HQ-17A

Question:

Was the child's father (or stepfather or male guardian) born in <country>?

- 1 = Yes
- 2 = No

Variable Name(s): ASBH17A

| Country | Item ID | Code | Documentation |
|-------------|---------|------|---|
| Germany | HQ-17A | D | National options recoded for international comparability: 1 = Germany 2 = Turkey / Greece / Italy / Bosnia Herzegovina / Croatia / Macedonia / Serbia / Slovenia / Poland / Iran / Iraq / Syria / Kosovo / Albania / Russia / Another Country |
| Netherlands | HQ-17A | X | Question not administered or data not available |

HQ-17B

Question:

Was the child's mother (or stepmother or female guardian) born in <country>?

1 = Yes

2 = No

Variable Name(s): ASBH17B

| Country | Item ID | Code | Documentation |
|-------------|---------|------|---|
| Germany | HQ-17B | D | National options recoded for international comparability: 1 = Germany 2 = Turkey / Greece / Italy / Bosnia Herzegovina / Croatia / Macedonia / Serbia / Slovenia / Poland / Iran / Iraq / Syria / Kosovo / Albania / Russia / Another Country |
| Netherlands | HQ-17B | X | Question not administered or data not available |

HQ-18AA-AG

Question:

When talking at home with your child, what language does the child's father (or stepfather or male guardian) use?

A: <language of test>

B: <country-specific>

C: <country-specific>

D: <country-specific>

E: <country-specific>

F: Other

G: Not applicable

Variable Name(s): ASBH18AA, ASBH18BA, ASBH18CA, ASBH18DA, ASBH18EA, ASBH18FA, ASBH18GA

| Country | Item ID | Code | Documentation |
|-------------------|---------|------|---|
| ARG, Buenos Aires | HQ-18BA | D | English |
| ARG, Buenos Aires | HQ-18CA | D | Portuguese |
| ARG, Buenos Aires | HQ-18DA | D | Guarani |
| ARG, Buenos Aires | HQ-18EA | D | Chinese |
| Australia | HQ-18BA | D | Italian |
| Australia | HQ-18CA | D | Greek |
| Australia | HQ-18DA | D | Cantonese |
| Australia | HQ-18EA | D | Arabic |
| Australia | HQ-18FA | D | Mandarin / Other |
| Bahrain | HQ-18BA | D | Arabic (if ITLANG = 1) / English (if ITLANG = 53) |
| Bahrain | HQ-18CA | D | Persian |
| Bahrain | HQ-18DA | D | Indian |
| Bahrain | HQ-18EA | D | Pakistani |
| Belgium, Flemish | HQ-18BA | D | French |

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| Belgium, Flemish | HQ-18CA | D | Turkish |
| Belgium, Flemish | HQ-18DA | D | Arabic |
| Belgium, Flemish | HQ-18EA | D | Moroccan |
| Belgium, Flemish | HQ-18FA | D | Kurdish / Berbers / English / Polish / Romanian / Bulgarian / Other |
| Bulgaria | HQ-18BA | D | Turkish language |
| Bulgaria | HQ-18CA | D | Romani language |
| Bulgaria | HQ-18DA-EA | X | Option not administered or data not available |
| CAN, Ontario | HQ-18BA | D | English (if ITLANG = 3) / French (if ITLANG = 1) |
| CAN, Ontario | HQ-18CA-EA | X | Option not administered or data not available |
| CAN, Quebec | HQ-18BA | D | English (if ITLANG = 3) / French (if ITLANG = 1) |
| CAN, Quebec | HQ-18CA-EA | X | Option not administered or data not available |
| Canada | HQ-18BA | D | English (if ITLANG = 3) / French (if ITLANG = 1) |
| Canada | HQ-18CA-EA | X | Option not administered or data not available |
| Chile | HQ-18BA-EA | X | Option not administered or data not available |
| Chinese Taipei | HQ-18BA | D | Taiwanese language (Fukien) |
| Chinese Taipei | HQ-18CA | D | Hakka |
| Chinese Taipei | HQ-18DA | D | Aboriginal language |
| Chinese Taipei | HQ-18EA | D | English or American English |
| Croatia | HQ-18BA | D | Croatian (if ITLANG = 37) / Serbian (if ITLANG = 56) |
| Croatia | HQ-18CA | D | Italian |
| Croatia | HQ-18DA | D | Hungarian |
| Croatia | HQ-18EA | D | Czech |
| Cyprus | HQ-18BA | D | English |
| Cyprus | HQ-18CA | D | Russian |
| Cyprus | HQ-18DA | D | Bulgarian |
| Cyprus | HQ-18EA | D | Romanian |
| Czech Republic | HQ-18BA | D | Slovak |
| Czech Republic | HQ-18CA | D | Romani |
| Czech Republic | HQ-18DA | D | Russian |
| Czech Republic | HQ-18EA | D | Ukraine |
| Czech Republic | HQ-18FA | D | Vietnamese / Chinese / Other |
| Denmark | HQ-18BA | D | Turkish |
| Denmark | HQ-18CA | D | Arabic |
| Denmark | HQ-18DA | D | Serbo-Croatian/Bosnian |
| Denmark | HQ-18EA | D | Punjabi |

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|-----------------------|------------|---|---|
| Finland | HQ-18BA | D | Finnish (if ITLANG = 32) / Swedish (if ITLANG = 43) |
| Finland | HQ-18CA | D | Sami |
| Finland | HQ-18DA | D | Romany |
| Finland | HQ-18EA | D | Russian |
| France | HQ-18BA | D | Arabic |
| France | HQ-18CA | D | Another African language |
| France | HQ-18DA | D | Portuguese |
| France | HQ-18EA | D | Turkish |
| Georgia | HQ-18BA | D | Russian |
| Georgia | HQ-18CA | D | Armenian |
| Georgia | HQ-18DA | D | Azeri |
| Georgia | HQ-18EA | D | English |
| Germany | HQ-18BA | D | Turkish |
| Germany | HQ-18CA | D | Italian |
| Germany | HQ-18DA | D | Russian |
| Germany | HQ-18EA | D | Polish |
| Germany | HQ-18FA | D | Other / Bosnian / Serbian / Greek / another European language / another African language / another Arabic language / another Asian language |
| Hong Kong SAR | HQ-18BA | D | Cantonese (if ITLANG = 1) / English (if ITLANG = 10) |
| Hong Kong SAR | HQ-18CA | D | Putonghua (Mandarin) |
| Hong Kong SAR | HQ-18DA | D | Other Chinese dialects (e.g., Chiuchow dialect, Hokkien dialect, etc.) |
| Hong Kong SAR | HQ-18EA | D | Other Asian languages (e.g., Indian, Indonesian, Thai, etc.) |
| Hungary | HQ-18BA-EA | X | Option not administered or data not available |
| Indonesia | HQ-18BA | D | Foreign Language |
| Indonesia | HQ-18CA | D | Traditional Language |
| Indonesia | HQ-18DA-EA | X | Option not administered or data not available |
| Iran, Islamic Rep. of | HQ-18BA | D | Turkish |
| Iran, Islamic Rep. of | HQ-18CA | D | Kurdish |
| Iran, Islamic Rep. of | HQ-18DA | D | Lori |
| Iran, Islamic Rep. of | HQ-18EA | D | Arabic |
| Ireland | HQ-18BA | D | Irish (if ITLANG = 1) / English (if ITLANG = 41) |
| Ireland | HQ-18CA | D | Polish |
| Ireland | HQ-18DA | D | Romanian |
| Ireland | HQ-18EA | D | French |
| Italy | HQ-18BA | D | Another language officially recognized in Italy (e.g., Ladino in Alto Adige, French in Val d'Aosta) |

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|----------------|------------|---|--|
| Italy | HQ-18CA | D | A dialect |
| Italy | HQ-18DA | D | Another language of the European Union |
| Italy | HQ-18EA | D | Another language (e.g., Albanian, Arab, Chinese) etc. |
| Italy | HQ-18FA | X | Option not administered or data not available |
| Japan | HQ-18BA | D | English |
| Japan | HQ-18CA | D | Chinese |
| Japan | HQ-18DA | D | Korean |
| Japan | HQ-18EA | D | Portuguese |
| Jordan | HQ-18BA | D | English |
| Jordan | HQ-18CA | D | Romanian |
| Jordan | HQ-18DA | D | German |
| Jordan | HQ-18EA | D | Russian |
| Kazakhstan | HQ-18BA | D | Kazakh (if ITLANG = 29) / Russian (if ITLANG = 39) |
| Kazakhstan | HQ-18CA-EA | X | Option not administered or data not available |
| Kazakhstan | HQ-18GA | X | Option not administered or data not available |
| Korea, Rep. of | HQ-18BA | D | Vietnamese |
| Korea, Rep. of | HQ-18CA | D | English |
| Korea, Rep. of | HQ-18DA | D | Japanese |
| Korea, Rep. of | HQ-18EA | D | Chinese |
| Korea, Rep. of | HQ-18FA | D | Khmer (Cambodia) / Tagalog (Filipino) / Thai / Other language |
| Kuwait | HQ-18BA | D | English (if ITLANG = 53) / Arabic (if ITLANG = 1) |
| Kuwait | HQ-18CA | D | Kuwaiti Dialect |
| Kuwait | HQ-18DA | D | GCC Dialect(s) |
| Kuwait | HQ-18EA | D | Other Arabic Dialect(s) |
| Lithuania | HQ-18AA | D | Lithuanian (if ITLANG = 22) / Polish (if ITLANG = 27) / Russian (if ITLANG = 29) |
| Lithuania | HQ-18BA | D | Lithuanian |
| Lithuania | HQ-18CA | D | Russian |
| Lithuania | HQ-18DA | D | Polish |
| Lithuania | HQ-18EA | X | Option not administered or data not available |
| Morocco | HQ-18BA | D | Amazigh |
| Morocco | HQ-18CA | D | French |
| Morocco | HQ-18DA | D | Spanish |
| Morocco | HQ-18EA | D | English |
| Netherlands | HQ-18BA | D | Turkish |

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|------------------|---------|---|---|
| Netherlands | HQ-18CA | D | Moroccan |
| Netherlands | HQ-18DA | D | Surinamese |
| Netherlands | HQ-18EA | D | German |
| Netherlands | HQ-18FA | D | English / Other |
| New Zealand | HQ-18BA | D | Māori |
| New Zealand | HQ-18CA | D | A Pacific Islands language (e.g., Samoan, Tongan, Niuean) |
| New Zealand | HQ-18DA | D | An Asian language (e.g., Mandarin, Korean, Hindi) |
| New Zealand | HQ-18EA | D | New Zealand Sign Language |
| New Zealand | HQ-18FA | D | Another language (e.g., Afrikaans, Somali) |
| Northern Ireland | HQ-18BA | D | Irish |
| Northern Ireland | HQ-18CA | D | Polish |
| Northern Ireland | HQ-18DA | D | Lithuanian |
| Northern Ireland | HQ-18EA | D | Portuguese |
| Northern Ireland | HQ-18FA | D | Chinese / Other |
| Norway | HQ-18BA | D | Sami |
| Norway | HQ-18CA | D | Swedish or Danish |
| Norway | HQ-18DA | D | Urdu |
| Norway | HQ-18EA | D | Polish |
| Norway (Grade 4) | HQ-18BA | D | Sami |
| Norway (Grade 4) | HQ-18CA | D | Swedish or Danish |
| Norway (Grade 4) | HQ-18DA | D | Urdu |
| Norway (Grade 4) | HQ-18EA | D | Polish |
| Oman | HQ-18BA | D | Arabic |
| Oman | HQ-18CA | D | Swahili |
| Oman | HQ-18DA | D | Balochi |
| Oman | HQ-18EA | D | Laotian |
| Poland | HQ-18BA | D | German |
| Poland | HQ-18CA | D | Ukrainian |
| Poland | HQ-18DA | D | Belarussian |
| Poland | HQ-18EA | X | Option not administered or data not available |
| Portugal | HQ-18BA | D | Creole |
| Portugal | HQ-18CA | D | Ukrainian |
| Portugal | HQ-18DA | D | Chinese |
| Portugal | HQ-18EA | D | English |
| Qatar | HQ-18BA | D | Arabic (if ITLANG = 1) / English (if ITLANG = 53) |

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|--------------------|------------|---|--|
| Qatar | HQ-18CA | D | Persian |
| Qatar | HQ-18DA | D | Balochi |
| Qatar | HQ-18EA | D | Swahili |
| Russian Federation | HQ-18BA-EA | X | Option not administered or data not available |
| Russian Federation | HQ-18GA | D | It is difficult to answer |
| Saudi Arabia | HQ-18BA | D | Arabic (if ITLANG = 1) / English (if ITLANG = 53) |
| Saudi Arabia | HQ-18CA | D | French |
| Saudi Arabia | HQ-18DA | D | Urdu |
| Saudi Arabia | HQ-18EA | D | Local Dialect |
| Serbia | HQ-18BA | D | Hungarian |
| Serbia | HQ-18CA | D | Romani |
| Serbia | HQ-18DA | D | Slovakian |
| Serbia | HQ-18EA | D | Romanian |
| Singapore | HQ-18BA | D | Mandarin |
| Singapore | HQ-18CA | D | Malay |
| Singapore | HQ-18DA | D | Tamil |
| Singapore | HQ-18EA | D | A Chinese dialect |
| Slovak Republic | HQ-18BA | D | Hungarian (if ITLANG = 17) / Slovak (if ITLANG = 30) |
| Slovak Republic | HQ-18CA | D | Roma language |
| Slovak Republic | HQ-18DA | D | Czech |
| Slovak Republic | HQ-18EA | D | Ruthenian language |
| Slovenia | HQ-18BA | D | Hungarian |
| Slovenia | HQ-18CA | D | Italian |
| Slovenia | HQ-18DA | D | Croatian or Bosnian or Serbian |
| Slovenia | HQ-18EA | D | Roma |
| South Africa | HQ-18BA | D | Afrikaans |
| South Africa | HQ-18CA | D | IsiNdebele |
| South Africa | HQ-18DA | D | Sepedi |
| South Africa | HQ-18EA | D | Sesotho |
| South Africa | HQ-18FA | D | Seswati / Setswana / Tshivenda / IsiXhosa / IsiZulu / Xitsonga / Other |
| Spain | HQ-18BA | D | Catalan (if ITLANG = 2, 51, or 52) / Spanish (if ITLANG = 49) |
| Spain | HQ-18CA | D | Galician |
| Spain | HQ-18DA | D | Valencian (if ITLANG = 2, 49, or 51) / Spanish (if ITLANG = 52) |
| Spain | HQ-18EA | D | Basque (if ITLANG = 2, 49, or 52) / Spanish (if ITLANG = 51) |
| Sweden | HQ-18BA-EA | X | Option not administered or data not available |

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|----------------------|------------|---|---|
| Turkey | HQ-18BA-EA | X | Option not administered or data not available |
| UAE, Abu Dhabi | HQ-18BA | D | Arabic (if ITLANG = 1) / English (if ITLANG = 53) |
| UAE, Abu Dhabi | HQ-18CA | D | Persian |
| UAE, Abu Dhabi | HQ-18DA | D | Urdu |
| UAE, Abu Dhabi | HQ-18EA | D | Tagalog |
| UAE, Dubai | HQ-18BA | D | Arabic (if ITLANG = 1) / English (if ITLANG = 53) |
| UAE, Dubai | HQ-18CA | D | Persian |
| UAE, Dubai | HQ-18DA | D | Urdu |
| UAE, Dubai | HQ-18EA | D | Tagalog |
| United Arab Emirates | HQ-18BA | D | Arabic (if ITLANG = 1) / English (if ITLANG = 53) |
| United Arab Emirates | HQ-18CA | D | Persian |
| United Arab Emirates | HQ-18DA | D | Urdu |
| United Arab Emirates | HQ-18EA | D | Tagalog |

HQ-18BA-BG**Question:**

When talking at home with your child, what language does the child's mother (or stepmother or female guardian) use?

A: <language of test>

B: <country-specific>

C: <country-specific>

D: <country-specific>

E: <country-specific>

F: Other

G: Not applicable

Variable Name(s): ASBH18AB, ASBH18BB, ASBH18CB, ASBH18DB, ASBH18EB, ASBH18FB, ASBH18GB

| Country | Item ID | Code | Documentation |
|-------------------|---------|------|---|
| ARG, Buenos Aires | HQ-18BB | D | English |
| ARG, Buenos Aires | HQ-18CB | D | Portuguese |
| ARG, Buenos Aires | HQ-18DB | D | Guarani |
| ARG, Buenos Aires | HQ-18EB | D | Chinese |
| Australia | HQ-18BB | D | Italian |
| Australia | HQ-18CB | D | Greek |
| Australia | HQ-18DB | D | Cantonese |
| Australia | HQ-18EB | D | Arabic |
| Australia | HQ-18FB | D | Mandarin / Other |
| Bahrain | HQ-18BB | D | Arabic (if ITLANG = 1) / English (if ITLANG = 53) |
| Bahrain | HQ-18CB | D | Persian |

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|------------------|------------|---|---|
| Bahrain | HQ-18DB | D | Indian |
| Bahrain | HQ-18EB | D | Pakistani |
| Belgium, Flemish | HQ-18BB | D | French |
| Belgium, Flemish | HQ-18CB | D | Turkish |
| Belgium, Flemish | HQ-18DB | D | Arabic |
| Belgium, Flemish | HQ-18EB | D | Moroccan |
| Belgium, Flemish | HQ-18FB | D | Kurdish / Berbers / English / Polish / Romanian / Bulgarian / Other |
| Bulgaria | HQ-18BB | D | Turkish language |
| Bulgaria | HQ-18CB | D | Roma language |
| Bulgaria | HQ-18DB-EB | X | Option not administered or data not available |
| CAN, Ontario | HQ-18BB | D | English (if ITLANG = 3) / French (if ITLANG = 1) |
| CAN, Ontario | HQ-18CB-EB | X | Option not administered or data not available |
| CAN, Quebec | HQ-18BB | D | English (if ITLANG = 3) / French (if ITLANG = 1) |
| CAN, Quebec | HQ-18CB-EB | X | Option not administered or data not available |
| Canada | HQ-18BB | D | English (if ITLANG = 3) / French (if ITLANG = 1) |
| Canada | HQ-18CB-EB | X | Option not administered or data not available |
| Chile | HQ-18BB-EB | X | Option not administered or data not available |
| Chinese Taipei | HQ-18BB | D | Taiwanese language (Fukien) |
| Chinese Taipei | HQ-18CB | D | Hakka |
| Chinese Taipei | HQ-18DB | D | Aboriginal language |
| Chinese Taipei | HQ-18EB | D | English or American English |
| Croatia | HQ-18BB | D | Croatian (if ITLANG = 37) / Serbian (if ITLANG = 56) |
| Croatia | HQ-18CB | D | Italian |
| Croatia | HQ-18DB | D | Hungarian |
| Croatia | HQ-18EB | D | Czech |
| Cyprus | HQ-18BB | D | English |
| Cyprus | HQ-18CB | D | Russian |
| Cyprus | HQ-18DB | D | Bulgarian |
| Cyprus | HQ-18EB | D | Romanian |
| Czech Republic | HQ-18BB | D | Slovak |
| Czech Republic | HQ-18CB | D | Romani |
| Czech Republic | HQ-18DB | D | Russian |
| Czech Republic | HQ-18EB | D | Ukraine |
| Czech Republic | HQ-18FB | D | Vietnamese / Chinese / Other |
| Denmark | HQ-18BB | D | Turkish |

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|-----------------------|------------|---|---|
| Denmark | HQ-18CB | D | Arabic |
| Denmark | HQ-18DB | D | Serbo-Croatian/Bosnian |
| Denmark | HQ-18EB | D | Punjabi |
| Finland | HQ-18BB | D | Finnish (if ITLANG = 32) / Swedish (if ITLANG = 43) |
| Finland | HQ-18CB | D | Sami |
| Finland | HQ-18DB | D | Romany |
| Finland | HQ-18EB | D | Russian |
| France | HQ-18BB | D | Arabic |
| France | HQ-18CB | D | Another African language |
| France | HQ-18DB | D | Portuguese |
| France | HQ-18EB | D | Turkish |
| Georgia | HQ-18BB | D | Russian |
| Georgia | HQ-18CB | D | Armenian |
| Georgia | HQ-18DB | D | Azeri |
| Georgia | HQ-18EB | D | English |
| Germany | HQ-18BB | D | Turkish |
| Germany | HQ-18CB | D | Italian |
| Germany | HQ-18DB | D | Russian |
| Germany | HQ-18EB | D | Polish |
| Germany | HQ-18FB | D | Other / Bosnian / Serbian / Greek / another European language / another African language / another Arabic language / another Asian language |
| Hong Kong SAR | HQ-18BB | D | Cantonese (if ITLANG = 1) / English (if ITLANG = 10) |
| Hong Kong SAR | HQ-18CB | D | Putonghua (Mandarin) |
| Hong Kong SAR | HQ-18DB | D | Other Chinese dialects (e.g., Chiuchow dialect, Hokkien dialect, etc.) |
| Hong Kong SAR | HQ-18EB | D | Other Asian languages (e.g., Indian, Indonesian, Thai, etc.) |
| Hungary | HQ-18BB-EB | X | Option not administered or data not available |
| Indonesia | HQ-18BB | D | Foreign Language |
| Indonesia | HQ-18CB | D | Traditional Language |
| Indonesia | HQ-18DB-EB | X | Option not administered or data not available |
| Iran, Islamic Rep. of | HQ-18BB | D | Turkish |
| Iran, Islamic Rep. of | HQ-18CB | D | Kurdish |
| Iran, Islamic Rep. of | HQ-18DB | D | Lori |
| Iran, Islamic Rep. of | HQ-18EB | D | Arabic |
| Ireland | HQ-18BB | D | Irish (if ITLANG = 1) / English (if ITLANG = 41) |
| Ireland | HQ-18CB | D | Polish |

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|----------------|------------|---|---|
| Ireland | HQ-18DB | D | Romanian |
| Ireland | HQ-18EB | D | French |
| Italy | HQ-18BB | D | Another language officially recognized in Italy (e.g., Ladino in Alto Adige, French in Val d'Aosta) |
| Italy | HQ-18CB | D | A dialect |
| Italy | HQ-18DB | D | Another language of the European Union |
| Italy | HQ-18EB | D | Another language (e.g., Albanian, Arab, Chinese) etc. |
| Italy | HQ-18FB | X | Option not administered or data not available |
| Japan | HQ-18BB | D | English |
| Japan | HQ-18CB | D | Chinese |
| Japan | HQ-18DB | D | Korean |
| Japan | HQ-18EB | D | Portuguese |
| Jordan | HQ-18BB | D | English |
| Jordan | HQ-18CB | D | Romanian |
| Jordan | HQ-18DB | D | German |
| Jordan | HQ-18EB | D | Russian |
| Kazakhstan | HQ-18BB | D | Kazakh (if ITLANG = 29) / Russian (if ITLANG = 39) |
| Kazakhstan | HQ-18CB-EB | X | Option not administered or data not available |
| Kazakhstan | HQ-18GB | X | Option not administered or data not available |
| Korea, Rep. of | HQ-18BB | D | Vietnamese |
| Korea, Rep. of | HQ-18CB | D | English |
| Korea, Rep. of | HQ-18DB | D | Japanese |
| Korea, Rep. of | HQ-18EB | D | Chinese |
| Korea, Rep. of | HQ-18FB | D | Khmer (Cambodia) / Tagalog (Filipino) / Thai / Other language |
| Kuwait | HQ-18BB | D | English (if ITLANG = 53) / Arabic (if ITLANG = 1) |
| Kuwait | HQ-18CB | D | Kuwaiti Dialect |
| Kuwait | HQ-18DB | D | GCC Dialect(s) |
| Kuwait | HQ-18EB | D | Other Arabic Dialect(s) |
| Lithuania | HQ-18AB | D | Lithuanian (if ITLANG = 22) / Polish (if ITLANG = 27) / Russian (if ITLANG = 29) |
| Lithuania | HQ-18BB | D | Lithuanian |
| Lithuania | HQ-18CB | D | Russian |
| Lithuania | HQ-18DB | D | Polish |
| Lithuania | HQ-18EB | X | Option not administered or data not available |
| Morocco | HQ-18BB | D | Amazigh |
| Morocco | HQ-18CB | D | French |

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|------------------|---------|---|---|
| Morocco | HQ-18DB | D | Spanish |
| Morocco | HQ-18EB | D | English |
| Netherlands | HQ-18BB | D | Turkish |
| Netherlands | HQ-18CB | D | Moroccan |
| Netherlands | HQ-18DB | D | Surinamese |
| Netherlands | HQ-18EB | D | German |
| Netherlands | HQ-18FB | D | English / Other |
| New Zealand | HQ-18BB | D | Māori |
| New Zealand | HQ-18CB | D | A Pacific Islands language (e.g., Samoan, Tongan, Niuean) |
| New Zealand | HQ-18DB | D | An Asian language (e.g., Mandarin, Korean, Hindi) |
| New Zealand | HQ-18EB | D | New Zealand Sign Language |
| New Zealand | HQ-18FB | D | Another language (e.g., Afrikaans, Somali) |
| Northern Ireland | HQ-18BB | D | Irish |
| Northern Ireland | HQ-18CB | D | Polish |
| Northern Ireland | HQ-18DB | D | Lithuanian |
| Northern Ireland | HQ-18EB | D | Portuguese |
| Northern Ireland | HQ-18FB | D | Chinese / Other |
| Norway | HQ-18BB | D | Sami |
| Norway | HQ-18CB | D | Swedish or Danish |
| Norway | HQ-18DB | D | Urdu |
| Norway | HQ-18EB | D | Polish |
| Norway (Grade 4) | HQ-18BB | D | Sami |
| Norway (Grade 4) | HQ-18CB | D | Swedish or Danish |
| Norway (Grade 4) | HQ-18DB | D | Urdu |
| Norway (Grade 4) | HQ-18EB | D | Polish |
| Oman | HQ-18BB | D | Arabic |
| Oman | HQ-18CB | D | Swahili |
| Oman | HQ-18DB | D | Balochi |
| Oman | HQ-18EB | D | Laotian |
| Poland | HQ-18BB | D | German |
| Poland | HQ-18CB | D | Ukrainian |
| Poland | HQ-18DB | D | Belarussian |
| Poland | HQ-18EB | X | Option not administered or data not available |
| Portugal | HQ-18BB | D | Creole |
| Portugal | HQ-18CB | D | Ukrainian |

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|--------------------|------------|---|--|
| Portugal | HQ-18DB | D | Chinese |
| Portugal | HQ-18EB | D | English |
| Qatar | HQ-18BB | D | Arabic (if ITLANG = 1) / English (if ITLANG = 53) |
| Qatar | HQ-18CB | D | Persian |
| Qatar | HQ-18DB | D | Balochi |
| Qatar | HQ-18EB | D | Swahili |
| Russian Federation | HQ-18BB-EB | X | Option not administered or data not available |
| Russian Federation | HQ-18GB | D | It is difficult to answer |
| Saudi Arabia | HQ-18BB | D | Arabic (if ITLANG = 1) / English (if ITLANG = 53) |
| Saudi Arabia | HQ-18CB | D | French |
| Saudi Arabia | HQ-18DB | D | Urdu |
| Saudi Arabia | HQ-18EB | D | Local Dialect |
| Serbia | HQ-18BB | D | Hungarian |
| Serbia | HQ-18CB | D | Romani |
| Serbia | HQ-18DB | D | Slovakian |
| Serbia | HQ-18EB | D | Romanian |
| Singapore | HQ-18BB | D | Mandarin |
| Singapore | HQ-18CB | D | Malay |
| Singapore | HQ-18DB | D | Tamil |
| Singapore | HQ-18EB | D | A Chinese dialect |
| Slovak Republic | HQ-18BB | D | Hungarian (if ITLANG = 17) / Slovak (if ITLANG = 30) |
| Slovak Republic | HQ-18CB | D | Roma language |
| Slovak Republic | HQ-18DB | D | Czech |
| Slovak Republic | HQ-18EB | D | Ruthenian language |
| Slovenia | HQ-18BB | D | Hungarian |
| Slovenia | HQ-18CB | D | Italian |
| Slovenia | HQ-18DB | D | Croatian or Bosnian or Serbian |
| Slovenia | HQ-18EB | D | Roma |
| South Africa | HQ-18BB | D | Afrikaans |
| South Africa | HQ-18CB | D | IsiNdebele |
| South Africa | HQ-18DB | D | Sepedi |
| South Africa | HQ-18EB | D | Sesotho |
| South Africa | HQ-18FB | D | Seswati / Setswana / Tshivenda / IsiXhosa / IsiZulu / Xitsonga / Other |
| Spain | HQ-18BB | D | Catalan (if ITLANG = 2, 51, or 52) / Spanish (if ITLANG = 49) |
| Spain | HQ-18CB | D | Galician |

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|----------------------|------------|---|---|
| Spain | HQ-18DB | D | Valencian (if ITLANG = 2, 49, or 51) / Spanish (if ITLANG = 52) |
| Spain | HQ-18EB | D | Basque (if ITLANG = 2, 49, or 52) / Spanish (if ITLANG = 51) |
| Sweden | HQ-18BB-EB | X | Option not administered or data not available |
| Turkey | HQ-18BB-EB | X | Option not administered or data not available |
| UAE, Abu Dhabi | HQ-18BB | D | Arabic (if ITLANG = 1) / English (if ITLANG = 53) |
| UAE, Abu Dhabi | HQ-18CB | D | Persian |
| UAE, Abu Dhabi | HQ-18DB | D | Urdu |
| UAE, Abu Dhabi | HQ-18EB | D | Tagalog |
| UAE, Dubai | HQ-18BB | D | Arabic (if ITLANG = 1) / English (if ITLANG = 53) |
| UAE, Dubai | HQ-18CB | D | Persian |
| UAE, Dubai | HQ-18DB | D | Urdu |
| UAE, Dubai | HQ-18EB | D | Tagalog |
| United Arab Emirates | HQ-18BB | D | Arabic (if ITLANG = 1) / English (if ITLANG = 53) |
| United Arab Emirates | HQ-18CB | D | Persian |
| United Arab Emirates | HQ-18DB | D | Urdu |
| United Arab Emirates | HQ-18EB | D | Tagalog |

HQ-19**Question:**

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

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

Variable Name(s): ASBH19

| Country | Item ID | Code | Documentation |
|------------------|---------|------|--|
| Belgium, Flemish | HQ-19 | D | Dutch or Flemish |
| Croatia | HQ-19 | X | For ITLANG = 37 ("Serbian"): Question not administered or data not available |
| Ireland | HQ-19 | X | For ITLANG = 41 ("Irish"): Question not administered or data not available |
| Lithuania | HQ-19 | D | Language of instruction |

HQ-20A-B

Question:

What is the highest level of education completed by the child's father (or stepfather or male guardian) and mother (or stepmother or female guardian)?

A: Child's father
B: Child's mother

- 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): ASBH20A, ASBH20B

| Country | Item ID | Code | Documentation |
|-------------------|----------|------|--|
| ARG, Buenos Aires | HQ-20A-B | D | Nationally defined categories: 1 = Did not go to school 2 = Complete primary education 3 = Incomplete secondary education 4 = Complete secondary education 5 = Post-secondary, non-tertiary education 6 = Incomplete tertiary or university education 7 = Complete tertiary or university education 8 = Master's or Doctorate 9 = Not applicable |
| Australia | HQ-20A-B | D | National categories recoded for international comparability: 1 = Did not go to school 2 = Some primary school 3 = Some secondary school 4 = Secondary school 5 = TAFE training certificate, apprenticeship or traineeship 6 = TAFE or college diploma (e.g., Diploma of Information Technology) 7 = Undergraduate degree (e.g., Bachelor of Arts) / Graduate or postgraduate diploma (e.g., Postgraduate Diploma of Education) 8 = Master's degree, PhD, or Doctorate 9 = Not Applicable (not in household) |
| Bahrain | HQ-20A-B | D | Nationally defined categories: 1 = Did not go to school 2 = Some primary or intermediate education 3 = Intermediate education 4 = Secondary education 5 = Diploma 6 = Postgraduate diploma 7 = Bachelor's degree 8 = Postgraduate degree: Master's or PhD 9 = Not applicable |

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|------------------|----------|---|---|
| Belgium, Flemish | HQ-20A-B | D | <p>National categories recoded for international comparability:</p> <p>1 = Did not go to school</p> <p>2 = Went to primary education / Went to secondary special education</p> <p>3 = First grade (first two years) of secondary education</p> <p>4 = Six years of secondary education accomplished (ASO, TSO, KSO, or BSO)</p> <p>5 = Specialization year or 7th year in secondary education accomplished</p> <p>6 = Short higher vocational education (HBO5) after secondary education accomplished</p> <p>7 = Professional or academic Bachelor (higher education with 1 cycle or candidate/Bachelor within university) accomplished</p> <p>8 = Master, licentiate or Doctor (PhD) (higher education with 2 cycles or university) accomplished</p> <p>9 = Not applicable</p> |
| Bulgaria | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Primary education</p> <p>3 = Lower secondary education</p> <p>4 = Upper secondary education</p> <p>5 = Vocational education after upper secondary education</p> <p>6 = Higher education (Professional Bachelor)</p> <p>7 = Higher education (Bachelor)</p> <p>8 = Higher education (Master or Doctor)</p> <p>9 = Not applicable</p> |
| CAN, Ontario | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Some primary education or Grade 7 - Secondary 1</p> <p>3 = Grade 8 - 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> |
| CAN, Quebec | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Some primary education or Grade 7 - Secondary 1</p> <p>3 = Grade 8 - 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> |
| Canada | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Some primary education or Grade 7 - Secondary 1</p> <p>3 = Grade 8 - 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> |

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|----------------|----------|---|---|
| Chile | HQ-20A-B | D | <p>National categories recoded for international comparability:</p> <p>1 = Did not go to school</p> <p>2 = Some primary education</p> <p>3 = Lower secondary education</p> <p>4 = Upper secondary education</p> <p>5 = Category not administered or data not available</p> <p>6 = Vocational education centers / Professional education centers</p> <p>7 = Program in a university</p> <p>8 = Postgraduate degree (PhD or Master degree)</p> <p>9 = Not applicable</p> |
| Chinese Taipei | HQ-20A-B | D | <p>National categories recoded for international comparability:</p> <p>1 = Did not go to school</p> <p>2 = Did not finish the elementary school program / Elementary school program</p> <p>3 = Junior high school program</p> <p>4 = Senior high school or the vocational school program</p> <p>5 = Junior college or the two-year college program</p> <p>6 = Category not administered or data not available</p> <p>7 = Two-year college of technology or four-year college of technology program / University program</p> <p>8 = Master program / PhD program</p> <p>9 = Not applicable</p> |
| Croatia | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = First four grades of elementary school</p> <p>3 = Elementary school</p> <p>4 = Three year high school</p> <p>5 = Four year high school</p> <p>6 = Non-university higher education (two or three years, university undergraduate education, Bachelor's degree in period of 3 years)</p> <p>7 = University education (graduate and postgraduate education, Bachelor's degree in period of 4 years)</p> <p>8 = Master's or Doctor of science</p> <p>9 = Not applicable</p> |
| Cyprus | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Some primary education or lower secondary education</p> <p>3 = Lower secondary education</p> <p>4 = Upper secondary education (general or vocational)</p> <p>5 = Post-secondary, non-tertiary education (i.e. school for hairstyling, school of secretarial studies)</p> <p>6 = Non-university diploma (i.e. Pedagogical Academy, diploma from technological educational institution, higher technological institute, nursing school)</p> <p>7 = Bachelor's degree</p> <p>8 = Postgraduate degree: Master's or Doctorate</p> <p>9 = Not applicable</p> |
| Czech Republic | HQ-20A-B | D | <p>National categories recoded for international comparability:</p> <p>1 = Did not go to school</p> <p>2 = Did not finish primary school</p> <p>3 = Primary school</p> <p>4 = High school or a vocational program without maturita / High school or a vocational program with maturita</p> <p>5 = An extension study</p> <p>6 = Higher professional school or conservatory</p> <p>7 = University Bachelor's degree</p> <p>8 = University Master's degree or higher</p> <p>9 = Not applicable</p> |

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| Denmark | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Some of grades 1-10</p> <p>3 = Grades 7-10</p> <p>4 = High school</p> <p>5 = Short education of less than 2 years</p> <p>6 = Short education of at least 2 years</p> <p>7 = Bachelor level</p> <p>8 = Education of 5 years or longer</p> <p>9 = Not applicable</p> |
| Finland | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Some lower secondary education</p> <p>3 = Lower secondary education</p> <p>4 = Upper secondary education</p> <p>5 = Post-secondary, non-tertiary education</p> <p>6 = Short-cycle tertiary education</p> <p>7 = Bachelor's or equivalent level</p> <p>8 = Postgraduate degree: Master's or Doctor</p> <p>9 = Not applicable</p> |
| France | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not attend school</p> <p>2 = Did not complete the first cycle of secondary education (college)</p> <p>3 = First cycle of secondary education (college)</p> <p>4 = Second cycle of secondary professional degree (BEP, BP, Bac Pro) technology (Bac techno) or general (general Bac)</p> <p>5 = Pre-university education (e.g., capacity in law)</p> <p>6 = Short higher education (DUT, BTS, CPGEs, postgraduate, L2, etc.)</p> <p>7 = Degree or equivalent</p> <p>8 = Long university education (Master, DEA, DESS, PhD, etc.)</p> <p>9 = Not applicable</p> |
| Georgia | HQ-20A-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 (10-11 grades)</p> <p>5 = Vocational school (based on 10-11 grade, e.g., College, Proftechnicum)</p> <p>6 = Higher vocational school</p> <p>7 = First degree higher education (4-year, 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 or Doctor's)</p> <p>9 = Not applicable</p> |

Germany

HQ-20A-B

D

What is the highest school degree obtained by the child's father (or stepfather or male guardian) and mother (or stepmother or female guardian)? / What is highest the educational/volcational degree obtained by the child's father (or stepfather or male guardian) and mother (or stepmother or female guardian)?

National options recoded for international comparability:

1 = [B = Omitted or invalid & A is any of (Did not go to school or left school without a degree)] / [B = No vocational degree & A is any of (Did not go to school or left school without a degree)] / [B = Degree for vocational preparation & A is any of (Did not go to school or left school without a degree)]

2 = [B = Omitted or invalid & A is any of (Degree from board school/secondary modern school/polytechnical school after grade 8)] / [B = No vocational degree & A is any of (Degree from board school/secondary modern school/polytechnical school after grade 8)] / [B = Degree for vocational preparation & A is any of (Degree from board school/secondary modern school/polytechnical school after grade 8)]

3 = [B = Omitted or invalid & A is any of (Secondary school certificate/secondary school leaving certificate)] / [B = No vocational degree & A is any of (Secondary school certificate/secondary school leaving certificate)] / [B = Degree for vocational preparation & A is any of (Secondary school certificate/secondary school leaving certificate)]

4 = [B = Omitted or invalid & A is any of (Degree from a University of Applied Science, A-Level certificate/higher education entrance qualification)] / [B = No vocational degree & A is any of (Degree from a University of Applied Science, A-Level certificate/higher education entrance qualification)] / [B = Degree for vocational preparation & A is any of (Degree from a University of Applied Science, A-Level certificate/higher education entrance qualification)] / [B = Degree from apprenticeship (school or apprenticeship) or civil servant training (intermediate level) & A is any of (Omitted or invalid, Did not go to school or left school without a degree, Degree from board school/secondary modern school/polytechnical school after grade 8, Secondary school certificate/secondary school leaving certificate, Degree from a University of Applied Science, A-Level certificate/higher education entrance qualification)] / [B = Degree from vocational school or from a school in the health sector (1 year) & A is any of (Omitted or invalid, Did not go to school or left school without a degree, Degree from board school/secondary modern school/polytechnical school after grade 8, Secondary school certificate/secondary school leaving certificate, Degree from a University of Applied Science, A-Level certificate/higher education entrance qualification)]

5 = Option not administered or data not available

6 = [B = Degree from a technical college/professional school/foreman school or technical school or from a school in the health sector (2-3 years) & A is any of (Omitted or invalid, Did not go to school or left school without a degree, Degree from board school/secondary modern school/polytechnical school after grade 8, Secondary school certificate/secondary school leaving certificate, Degree from a University of Applied Science, A-Level certificate/higher education entrance qualification)] / [B = Degree from a school of administration & A is any of (Omitted or invalid, Did not go to school or left school without a degree, Degree from board school/secondary modern school/polytechnical school after grade 8, Secondary school certificate/secondary school leaving certificate, Degree from a University of Applied Science, A-Level certificate/higher education entrance qualification)]

7 = [B = Bachelor degree (University of applied science) & A is any of (Omitted or invalid, Did not go to school or left school without a degree, Degree from board school/secondary modern school/polytechnical school after grade 8, Secondary school certificate/secondary school leaving certificate, Degree from a University of Applied Science, A-Level certificate/higher education entrance qualification)] / [B = Other degree from a University of applied science (also engineering) & A is any of (Omitted or invalid, Did not go to school or left school without a degree, Degree from board school/secondary modern school/polytechnical school after grade 8, Secondary school certificate/secondary school leaving certificate, Degree from a University of Applied Science, A-Level certificate/higher education entrance qualification)] / [B = Bachelor degree (University) & A is any of (Omitted or invalid, Did not go to school or left school without a degree, Degree from board school/secondary modern school/polytechnical school after grade 8, Secondary school certificate/secondary school leaving certificate, Degree from a University of Applied Science, A-Level certificate/higher education entrance qualification)]

8 = [B = Master degree (University of applied science) & A is any of (Omitted or invalid, Did not go to school or left school without a degree, Degree from board school/secondary modern school/polytechnical school after grade 8, Secondary school certificate/secondary school leaving certificate, Degree from a University of Applied Science, A-Level certificate/higher education entrance qualification)] / [B = Master degree (University) & A is any of (Omitted or invalid, Did not go to school or left school without a degree, Degree from board school/secondary modern school/polytechnical school after grade 8, Secondary school certificate/secondary school leaving certificate, Degree from a University of Applied Science, A-Level certificate/higher education entrance qualification)] / [B = Other degree obtained at a university (e.g., Diplom, Magister, First State examination) & A is any of (Omitted or invalid, Did not go to school or left school without a degree, Degree from board school/secondary modern school/polytechnical school after grade 8, Secondary school certificate/secondary school leaving certificate, Degree from a University of Applied Science, A-Level certificate/higher education entrance qualification)] / [B = Second state examination & A is any of (Omitted or invalid, Did not go to school or left school without a degree, Degree from board school/secondary modern school/polytechnical school after grade 8, Secondary school certificate/secondary school leaving certificate, Degree from a University of Applied Science, A-Level certificate/higher education entrance qualification)] / [B = PhD & A is any of (Omitted or invalid, Did not go to school or left school without a degree, Degree from board school/secondary modern school/polytechnical school after grade 8, Secondary school certificate/secondary school leaving certificate, Degree from a University of Applied Science, A-Level certificate/higher education entrance qualification)]

9 = Option not administered or data not available

Hong Kong SAR

HQ-20A-B

D

Nationally defined categories:

- 1 = Did not go to school
- 2 = Some primary education or junior secondary education
- 3 = Junior secondary education
- 4 = Senior secondary education
- 5 = Vocational training after senior secondary education
- 6 = Completed a certificate, diploma, or an associate degree
- 7 = Bachelor's degree
- 8 = Master's degree or Doctoral degree
- 9 = Not applicable

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|-----------------------|----------|---|--|
| Hungary | HQ-20A-B | D | <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</p> <p>4 = Vocational school (without final exam/matura) / Secondary vocational school with final exam (matura) / Grammar school with final exam (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</p> |
| Indonesia | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Some primary education or lower secondary education</p> <p>3 = Lower secondary education</p> <p>4 = Upper secondary education</p> <p>5 = Post-secondary, non-tertiary education</p> <p>6 = Short-cycle tertiary education</p> <p>7 = Bachelor's or equivalent</p> <p>8 = Postgraduate degree: Master's or Doctor</p> <p>9 = Not applicable</p> |
| Iran, Islamic Rep. of | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Some primary education or lower secondary education</p> <p>3 = Lower secondary education</p> <p>4 = Upper secondary education</p> <p>5 = Post-secondary, non-tertiary education</p> <p>6 = Short-cycle tertiary education</p> <p>7 = Bachelor's or equivalent level</p> <p>8 = Postgraduate degree: Master's or Doctor</p> <p>9 = Not applicable</p> |
| Ireland | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Some primary or secondary education</p> <p>3 = Junior Cert./Inter. Cert./Group Cert.</p> <p>4 = Leaving Cert.</p> <p>5 = A PLC course or apprenticeship</p> <p>6 = A third-level certificate or diploma, not to degree level (e.g., from an Institute of Technology)</p> <p>7 = A degree</p> <p>8 = A postgraduate degree</p> <p>9 = Not applicable</p> |
| Italy | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Did not complete primary education (primary) or lower secondary education (secondary level 1)</p> <p>3 = Lower secondary education (level 1)</p> <p>4 = Upper secondary education (level 2)</p> <p>5 = Post-secondary, non-tertiary education</p> <p>6 = Tertiary education level I</p> <p>7 = Tertiary education level II or equivalent</p> <p>8 = Postgraduate Master's, PhD, or equivalent qualification</p> <p>9 = Not applicable</p> |

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|----------------|----------|---|---|
| Japan | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Elementary school</p> <p>3 = Lower secondary school</p> <p>4 = Upper secondary school</p> <p>5 = Advanced course of upper secondary school</p> <p>6 = Junior college, college of technology, or specialized training college (post-secondary course)</p> <p>7 = University or college</p> <p>8 = Finished graduate school</p> <p>9 = Not applicable</p> |
| Jordan | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Basic cycle - (grades 1 - 6)</p> <p>3 = Second basic cycle - (grades 7 - 10)</p> <p>4 = Secondary cycle - (grades 11 - 12)</p> <p>5 = Post-secondary, non-tertiary education - vocational centers after tenth grade</p> <p>6 = Short-cycle tertiary education - Community college diploma</p> <p>7 = Bachelor's or equivalent level</p> <p>8 = Postgraduate degree: Master's or Doctor</p> <p>9 = Not applicable</p> |
| Kazakhstan | HQ-20A-B | D | <p>National categories recoded for international comparability:</p> <p>1 = Did not go to school</p> <p>2 = Primary education</p> <p>3 = Basic secondary education</p> <p>4 = General secondary education</p> <p>5 = Technical and vocational education / Post-secondary education</p> <p>6 = Category not administered or data not available</p> <p>7 = Higher education (Bachelor degree)</p> <p>8 = Postgraduate education (Master or Doctor degree)</p> <p>9 = Not applicable</p> |
| Korea, Rep. of | HQ-20A-B | D | <p>National categories recoded for international comparability:</p> <p>1 = Did not attend school</p> <p>2 = Graduated from or did not complete elementary school, did not complete middle school</p> <p>3 = Middle school</p> <p>4 = High school</p> <p>5 = Category not administered or data not available</p> <p>6 = Two-year or three-year college</p> <p>7 = Four-year university</p> <p>8 = Graduate school (Master or Doctoral degree)</p> <p>9 = Not applicable</p> |
| Kuwait | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Elementary</p> <p>3 = Intermediate (lower secondary)</p> <p>4 = High school (upper secondary)</p> <p>5 = Pre-university education (e.g., diploma)</p> <p>6 = Technical/Applied education</p> <p>7 = Bachelor's or equivalent</p> <p>8 = Masters or PhD</p> <p>9 = Not applicable</p> |

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| Lithuania | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Not completed primary or lower secondary education</p> <p>3 = Lower secondary education</p> <p>4 = Upper secondary education</p> <p>5 = Vocational (already having secondary education)</p> <p>6 = Further (finished further education school, technical school)</p> <p>7 = Bachelor's (finish university) or vocational bachelor (finish college) degree</p> <p>8 = Master's or Doctor degree</p> <p>9 = Not applicable</p> |
| Morocco | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Part of the primary school or part of lower secondary school</p> <p>3 = Lower secondary school</p> <p>4 = Upper secondary school</p> <p>5 = Preparatory classes</p> <p>6 = Diploma of university studies</p> <p>7 = Bachelor degree or equivalent</p> <p>8 = Masters degree or Doctorate</p> <p>9 = Not applicable</p> |
| Netherlands | HQ-20A-B | D | <p>National categories recoded for international comparability:</p> <p>1 = Did not go to school</p> <p>2 = Just primary education or another education without diploma</p> <p>3 = Lower secondary vocational education</p> <p>4 = Upper secondary education</p> <p>5 = Category not administered or data not available</p> <p>6 = Short cycle tertiary education of 2-3 years</p> <p>7 = Higher vocational education or Bachelor's</p> <p>8 = Master's / Doctor</p> <p>9 = Not applicable</p> |
| New Zealand | HQ-20A-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 = Post-graduate degree (e.g., Honors, Masters, PhD)</p> <p>9 = Not applicable</p> |
| Northern Ireland | HQ-20A-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</p> <p>4 = 1-4 O-Level or GCSE passes or Foundation Diploma or GNVQ Foundation or NVQ Level 1 or BTEC Certificate / 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</p> <p>5 = Access course for higher education</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> |

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| Norway | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not or to school</p> <p>2 = Some primary or lower secondary school</p> <p>3 = Lower secondary school</p> <p>4 = Upper secondary school</p> <p>5 = Education beyond upper secondary school (not university or university college)</p> <p>6 = University or university college less than 3 years</p> <p>7 = Bachelor or equivalent</p> <p>8 = Master or Doctor</p> <p>9 = Not relevant</p> |
| Norway (Grade 4) | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not or to school</p> <p>2 = Some primary or lower secondary school</p> <p>3 = Lower secondary school</p> <p>4 = Upper secondary school</p> <p>5 = Education beyond upper secondary school (not university or university college)</p> <p>6 = University or university college less than 3 years</p> <p>7 = Bachelor or equivalent</p> <p>8 = Master or Doctor</p> <p>9 = Not relevant</p> |
| Oman | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Some primary education or lower secondary education</p> <p>3 = Lower secondary education</p> <p>4 = Upper secondary education (General Education Diploma)</p> <p>5 = Post-secondary, non-tertiary education</p> <p>6 = Diploma or equivalent</p> <p>7 = Bachelor's or equivalent</p> <p>8 = Postgraduate degree: Master's or Doctorate</p> <p>9 = Not applicable</p> |
| Poland | HQ-20A-B | D | <p>National categories recoded for international comparability:</p> <p>1 = Did not go to school</p> <p>2 = Primary or lower secondary general</p> <p>3 = Lower secondary vocational</p> <p>4 = Upper secondary</p> <p>5 = Post secondary, non tertiary</p> <p>6 = Category not administered or data not available</p> <p>7 = Higher first degree</p> <p>8 = Higher second degree</p> <p>9 = Not applicable</p> |
| Portugal | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = 1st or 2nd cycle of primary education</p> <p>3 = 3rd cycle of primary education</p> <p>4 = Secondary education</p> <p>5 = Technological specialization course</p> <p>6 = Baccalaureate (3 years)</p> <p>7 = License</p> <p>8 = Master's or Doctorate degree</p> <p>9 = Not applicable</p> |

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| Qatar | HQ-20A-B | D | <p>National categories recoded for international comparability:</p> <p>1 = Did not go to school</p> <p>2 = Some primary education or preparatory education</p> <p>3 = Preparatory education</p> <p>4 = Secondary education</p> <p>5 = Attained a diploma</p> <p>6 = Category not administered or data not available</p> <p>7 = Attained a Bachelor's degree</p> <p>8 = Attained a post-graduate degree</p> <p>9 = Not applicable</p> |
| Russian Federation | HQ-20A-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 = Incomplete 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> |
| Saudi Arabia | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Some primary education or lower secondary education</p> <p>3 = Lower secondary education</p> <p>4 = Upper secondary education</p> <p>5 = Post-secondary, non-tertiary education</p> <p>6 = Short-cycle tertiary education</p> <p>7 = Bachelor's or equivalent level</p> <p>8 = Postgraduate degree: Master's or Doctorate</p> <p>9 = Not applicable</p> |
| Serbia | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Lower grades of primary school</p> <p>3 = Primary school</p> <p>4 = Secondary education, vocational or general</p> <p>5 = Post secondary non tertiary education</p> <p>6 = Short cycle tertiary education</p> <p>7 = Basic studies in faculty</p> <p>8 = Postgraduate studies: Master's, professional Master's, or PhD</p> <p>9 = Not applicable</p> |
| Singapore | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Some primary or lower secondary</p> <p>3 = Lower secondary (completed Secondary 2)</p> <p>4 = Upper secondary</p> <p>5 = Post-secondary, non-tertiary (e.g., JC, CI, ITE)</p> <p>6 = Polytechnic</p> <p>7 = University Bachelor's degree</p> <p>8 = Master's or Doctoral (e.g., PhD) degree</p> <p>9 = Not applicable</p> |

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| Slovak Republic | HQ-20A-B | D | <p>National categories recoded for international comparability:</p> <p>1 = Did not go to school 2 = Did not complete primary school 3 = 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 = Not applicable</p> |
| Slovenia | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not go to school 2 = Primary education 3 = Lower secondary education 4 = Upper secondary education 5 = Post-secondary, non-tertiary education (high school) 6 = Short-cycle tertiary education (2-year old study programs, also teacher college or vocational oriented study) 7 = University study of the first Bologna degree 8 = University 4 year study (old programs) or university study of the second Bologna degree or master of science or Doctorate of science 9 = Not applicable</p> |
| South Africa | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not go to school 2 = Some primary school (Grades 1-8) 3 = Some secondary (Grade 9-11) 4 = Grade 12 5 = Post-matric certificate 6 = Diploma 7 = First degree 8 = Master's or Doctoral degree 9 = Not applicable</p> |
| Spain | HQ-20A-B | D | <p>National categories recoded for international comparability:</p> <p>1 = Did not go to school 2 = Some courses in primary education or lower secondary education (LSE) 3 = Basic general education (BGE) or lower secondary education (LSE) 4 = Baccalaureate, Multisubject Unified Baccalaureate (MUB), University Oriented Course (UOC), First Course Vocational Training (VT), Lower Vocational Training, Elemental School of Fine Arts, Official School of Languages 5 = Category not administered or data not available 6 = Upper Vocational Training, Upper Vocational Training in Fine Arts and Design, Bachelor's degree, Engineering or Architecture 7 = University degree 8 = Master's or PhD 9 = Not applicable</p> |
| Sweden | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>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 education, (e.g., Masters, licentiate, or PhD degree) 9 = Not applicable</p> |

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| Turkey | HQ-20A-B | D | <p>National categories recoded for international comparability:</p> <p>1 = Did not go to school</p> <p>2 = Completed primary school or left elementary or secondary school</p> <p>3 = Secondary school</p> <p>4 = High school</p> <p>5 = Category not administered or data not available</p> <p>6 = Associate degree (2 years college)</p> <p>7 = Bachelor of Science</p> <p>8 = Master of Science or Doctorate</p> <p>9 = Not applicable</p> |
| UAE, Abu Dhabi | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Some primary school</p> <p>3 = Some secondary school</p> <p>4 = Finish secondary school</p> <p>5 = Training certificate, apprenticeship, or traineeship</p> <p>6 = A college diploma</p> <p>7 = Bachelor's or equivalent</p> <p>8 = Beyond Bachelors' degree (e.g., Master's of Arts, PhD)</p> <p>9 = Not applicable</p> |
| UAE, Dubai | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Some primary school</p> <p>3 = Some secondary school</p> <p>4 = Finish secondary school</p> <p>5 = Training certificate, apprenticeship, or traineeship</p> <p>6 = A college diploma</p> <p>7 = Bachelor's or equivalent</p> <p>8 = Beyond Bachelors' degree (e.g., Master's of Arts, PhD)</p> <p>9 = Not applicable</p> |
| United Arab Emirates | HQ-20A-B | D | <p>Nationally defined categories:</p> <p>1 = Did not go to school</p> <p>2 = Some primary school</p> <p>3 = Some secondary school</p> <p>4 = Finish secondary school</p> <p>5 = Training certificate, apprenticeship, or traineeship</p> <p>6 = A college diploma</p> <p>7 = Bachelor's or equivalent</p> <p>8 = Beyond Bachelors' degree (e.g., Master's of Arts, PhD)</p> <p>9 = Not applicable</p> |

HQ-21

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): ASBH21

| Country | Item ID | Code | Documentation |
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| ARG, Buenos Aires | HQ-21 | D | National options recoded for international comparability: 1 = Basic secondary education 2 = All secondary education 3 = Option not administered or data not available 4 = Tertiary education / Short university degree 5 = Long university degree 6 = Master's or Doctorate |
| Australia | HQ-21 | 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 | HQ-21 | D | Nationally defined options: 1 = Intermediate education 2 = Secondary education 3 = Diploma 4 = Postgraduate diploma 5 = Bachelor's 6 = Postgraduate degree: Master's or PhD |
| Belgium, Flemish | HQ-21 | D | Nationally defined options: 1 = First degree (grade 1 and 2) of secondary education 2 = Six years of secondary education (ASO, TSO, KSO and BSO) 3 = Specialization year or 7th year in secondary education 4 = Degree (HBO5) after secondary education 5 = Professional or academic Bachelor (first cycle higher education) 6 = Master's or doctoral degree (higher education with 2 cycles or university) |
| Bulgaria | HQ-21 | 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) |

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| CAN, Ontario | HQ-21 | D | Nationally defined options: 1 = Grade 8 - 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 Doctoral degree |
| CAN, Quebec | HQ-21 | D | Nationally defined options: 1 = Grade 8 - 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 Doctoral degree |
| Canada | HQ-21 | D | Nationally defined options: 1 = Grade 8 - 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 Doctoral degree |
| Chile | HQ-21 | D | National options recoded for international comparability: 1 = Lower secondary education 2 = Upper secondary education 3 = Option not administered or data not available 4 = Program in a vocational education center / Program in a professional education center 5 = Program in a university 6 = Postgraduate degree (Master degree or PhD) |
| Chinese Taipei | HQ-21 | D | National options recoded for international comparability: 1 = Junior high school program 2 = Senior high school or the vocational school program 3 = Junior college or the 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 program / PhD program |
| Croatia | HQ-21 | D | Nationally defined options: 1 = Elementary school 2 = Three year high school 3 = Four year high school 4 = Non-university higher education (two or three years, university undergraduate education, Bachelor's degree in period of 3 years) 5 = University education (graduate and postgraduate education, Bachelor's degree in period of 4 years) 6 = Master's or Doctor of science |
| Cyprus | HQ-21 | 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 Doctorate |

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| Czech Republic | HQ-21 | D | <p>National options recoded for international comparability:</p> <p>1 = Primary school</p> <p>2 = High school or a vocational program without maturita / Secondary vocational program with maturita / Secondary technical program with maturita / Secondary general program with maturita</p> <p>3 = Option not administered or data not available</p> <p>4 = Higher professional school or conservatory</p> <p>5 = University Bachelor's degree</p> <p>6 = University Master's degree or higher</p> |
| Denmark | HQ-21 | D | <p>Nationally defined options:</p> <p>1 = 9-10th grade</p> <p>2 = High school</p> <p>3 = Short education of less than 2 years</p> <p>4 = Short or middle long education of at least 2 years</p> <p>5 = Bachelor level of at least 3 years</p> <p>6 = Education of 5 years or more</p> |
| Finland | HQ-21 | 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-21 | D | <p>Nationally defined options:</p> <p>1 = First cycle of secondary education (college)</p> <p>2 = Second cycle of secondary professional degree (BEP, BP, Bac Pro), technological (Bac techno) or general (general Bac)</p> <p>3 = Pre-university education (e.g., capacity in law)</p> <p>4 = Short higher education (DUT, BTS, CPGEs, postgraduate, L2, etc.)</p> <p>5 = Degree or equivalent</p> <p>6 = Long university education (Master, DEA, DESS, PhD, etc.)</p> |
| Georgia | HQ-21 | 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</p> <p>4 = Higher vocational school (4th and 5th degrees)</p> <p>5 = First degree of higher education (Bachelor's, 4 years)</p> <p>6 = Further degree(s) of higher education (Master's, Doctor's)</p> |

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| Germany | HQ-21 | D | <p>What is the highest school degree you expect your child to achieve? / What is the highest educational/vocational degree you expect your child to achieve?</p> <p>National options recoded for international comparability:</p> <p>1 = [B = Omitted or invalid and A is any of (Degree from board school, Secondary school certificate, Will leave school without a degree)] / [B = Will presumably not reach a vocational degree and A is any of (Degree from board school, Omitted or invalid, Secondary school certificate, Will leave school without a degree)]</p> <p>2 = [B = Degree for vocational preparation; vocational school (apprenticeship, training) or from a school in the health sector (1 year) and A is any of (Degree from board school, Omitted or invalid, Secondary school certificate, Will leave school without a degree)] / [B = Omitted or invalid and A is any of (A-level certificate/higher education entrance qualification, Degree from a University of Applied Science)] / [B = Will presumably not reach a vocational degree and A is any of (A-level certificate/higher education entrance qualification, Degree from a University of Applied Science)]</p> <p>3 = [B = Degree for vocational preparation; vocational school (apprenticeship, training) or from a school in the health sector (1 year) and A is any of (A-level certificate/higher education entrance qualification, Degree from a University of Applied Science)]</p> <p>4 = [B = Degree from a technical college/professional school/foremanschool or technical school or from a school in the health sector (2-3 years) and A is any of (A-level certificate/higher education entrance qualification, Degree from a University of Applied Science, Degree from board school, Omitted or invalid, Secondary school certificate, Will leave school without a degree)]</p> <p>5 = [B = Bachelor degree (University of Applied Science or University) and A is any of (A-level certificate/higher education entrance qualification, Degree from a University of Applied Science, Degree from board school, Omitted or invalid, Secondary school certificate, Will leave school without a degree)]</p> <p>6 = [B = Master degree (University of Applied Science or University) and A is any of (A-level certificate/higher education entrance qualification, Degree from a University of Applied Science, Degree from board school, Omitted or invalid, Secondary school certificate, Will leave school without a degree)] / [B = Ph.D. and A is any of (A-level certificate/higher education entrance qualification, Degree from a University of Applied Science, Degree from board school, Omitted or invalid, Secondary school certificate, Will leave school without a degree)]</p> |
| Hong Kong SAR | HQ-21 | D | <p>Nationally defined options:</p> <p>1 = Junior secondary education</p> <p>2 = Senior secondary education</p> <p>3 = Vocational training after senior secondary education</p> <p>4 = A certificate, diploma, or an associate degree</p> <p>5 = Bachelor's degree</p> <p>6 = Master's degree or Doctoral degree</p> |
| Hungary | HQ-21 | D | <p>National options recoded for international comparability:</p> <p>1 = General school</p> <p>2 = Vocational school (without final exam/matura) / Secondary vocational school with final exam (matura) / Grammar school with final exam (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> |

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| Indonesia | HQ-21 | 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 |
| Iran, Islamic Rep. of | HQ-21 | 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 |
| Ireland | HQ-21 | D | Nationally defined options: 1 = Junior Cert. 2 = Leaving Cert. 3 = A PLC course or apprenticeship 4 = A certificate or diploma (e.g., from an Institute of Technology) 5 = A degree 6 = A postgraduate degree |
| Italy | HQ-21 | D | Nationally defined options: 1 = Lower secondary education 2 = Upper secondary education (level 2) 3 = Post-secondary, non-tertiary education 4 = Tertiary education level I 5 = Tertiary education level II (specialization) 6 = Postgraduate degree: Masters, PhD or equivalent |
| Japan | HQ-21 | 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 |
| Jordan | HQ-21 | D | Nationally defined options: 1 = Second basic cycle - (grades 7 - 10) 2 = Secondary cycle - (grades 11 - 12) 3 = Post-secondary, non-tertiary education - vocational centers after tenth grade 4 = Community college diploma 5 = Bachelor's or equivalent level 6 = Master's or Doctor degree |
| Kazakhstan | HQ-21 | D | National options recoded for international comparability: 1 = Basic secondary education 2 = General secondary education 3 = Technical and vocational education / Post-secondary education 4 = Option not administered or data not available 5 = Higher education (Bachelor degree) 6 = Postgraduate education (Master or Doctor degree) |

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| Korea, Rep. of | HQ-21 | D | National options recoded for international comparability: 1 = Middle school 2 = High school 3 = Option not administered or data not available 4 = Two-year or three-year college 5 = Four-year university 6 = Graduate school (Master's or Doctoral program) |
| Kuwait | HQ-21 | D | Nationally defined options: 1 = Intermediate level 2 = Secondary level 3 = Pre-university education (e.g., diploma) 4 = Technical/Applied education 5 = University Education (Bachelor) 6 = Post university education Master's or PhD |
| Lithuania | HQ-21 | 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 (finish university) or vocational bachelor (finish college) degree 6 = Master's or Doctor degree |
| Morocco | HQ-21 | D | Nationally defined options: 1 = Lower secondary school 2 = Upper secondary school 3 = Preparatory classes 4 = Diploma of university studies 5 = Bachelor degree or equivalent 6 = Masters degree or Doctorate |
| Netherlands | HQ-21 | D | National options recoded for international comparability: 1 = Lower secondary vocational education 2 = Upper secondary education 3 = Category not administered or data not available 4 = Category not administered or data not available 5 = Higher vocational education / Bachelor's 6 = Master's / Doctor |
| New Zealand | HQ-21 | D | Nationally defined options: 1 = NCEA Level 1 or Level 2 2 = NCEA Level 3 3 = A trade/apprenticeship or national certificate (NZQF Levels 3-5, e.g., Hairdressing) 4 = A national (2- or 3-year) diploma (e.g., fashion design, tourism) 5 = A Bachelor's degree 6 = A post-graduate degree (e.g., Honours, Masters, PhD) |
| Northern Ireland | HQ-21 | D | National options recoded for international comparability: 1 = GCSE course 2 = 1-4 GCSE passes or Foundation Diploma or GNVQ Foundation or NVQ Level 1 or BTEC Certificate / 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 Advanced or International Baccalaureate 3 = Complete an access course for higher education 4 = HNC or HND or BTEC Higher 5 = Bachelor's degree 6 = Master's degree or Doctorate |

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| Norway | HQ-21 | 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 (not university or university college)</p> <p>4 = University or university college lasting less than 3 years</p> <p>5 = Bachelor or equivalent</p> <p>6 = Master or Doctor</p> |
| Norway (Grade 4) | HQ-21 | 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 (not university or university college)</p> <p>4 = University or university college lasting less than 3 years</p> <p>5 = Bachelor or equivalent</p> <p>6 = Master or Doctor</p> |
| Oman | HQ-21 | D | <p>For ITLANG = 1 ("English"):</p> <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> <p>For ITLANG = 53 ("Arabic"):</p> <p>National options recoded for international comparability:</p> <p>1 = Lower secondary education</p> <p>2 = Upper secondary education (General Education Diploma)</p> <p>3 = Diploma</p> <p>4 = Option not administered or data not available</p> <p>5 = Bachelor's or equivalent level</p> <p>6 = Master's or Doctor</p> |
| Poland | HQ-21 | D | <p>National options recoded for international comparability:</p> <p>1 = Lower secondary general / Lower secondary vocational</p> <p>2 = Upper secondary</p> <p>3 = Post secondary, non tertiary</p> <p>4 = Option not administered or data not available</p> <p>5 = Higher first degree</p> <p>6 = Higher second degree</p> |
| Portugal | HQ-21 | D | <p>National options recoded for international comparability:</p> <p>1 = Third cycle of primary education</p> <p>2 = Secondary education</p> <p>3 = Technological specialization course</p> <p>4 = Option not administered or data not available</p> <p>5 = License degree</p> <p>6 = Master's degree or Doctorate degree</p> |
| Qatar | HQ-21 | D | <p>National options recoded for international comparability:</p> <p>1 = Preparatory 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 degree</p> <p>6 = Post-graduate degree</p> |

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| Russian Federation | HQ-21 | 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> |
| Saudi Arabia | HQ-21 | 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> |
| Serbia | HQ-21 | 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 studies at university</p> <p>6 = Postgraduate studies: Master's, professional Master's, or PhD</p> |
| Singapore | HQ-21 | 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-21 | 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> |
| Slovenia | HQ-21 | D | <p>Nationally defined options:</p> <p>1 = Lower secondary education</p> <p>2 = Upper secondary education</p> <p>3 = After upper secondary education will finish post-secondary, non-tertiary education (high school)</p> <p>4 = Short-cycle tertiary education (3-year study)</p> <p>5 = University study of the first Bologna degree</p> <p>6 = University study of the second Bologna degree or also reached Doctorate of science</p> |
| South Africa | HQ-21 | 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> |

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| Spain | HQ-21 | D | <p>National options recoded for international comparability:</p> <p>1 = Lower secondary education</p> <p>2 = Baccalaureate, lower vocational training or equivalent</p> <p>3 = Option not administered or data not available</p> <p>4 = Upper vocational training, upper vocational training in Fine Arts and Design, Bachelor's degree, Engineering or Architecture</p> <p>5 = University degree</p> <p>6 = Master's or PhD</p> |
| Sweden | HQ-21 | 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 years (e.g., university college degree)</p> <p>5 = University or university college degree (e.g., Bachelor's degree)</p> <p>6 = Postgraduate education, (e.g., Masters, licentiate, or PhD degree)</p> |
| Turkey | HQ-21 | D | <p>National options recoded for international comparability:</p> <p>1 = Secondary school</p> <p>2 = High school</p> <p>3 = Option not administered or data not available</p> <p>4 = Two years college</p> <p>5 = University</p> <p>6 = Master of Science, Doctorate degree</p> |
| UAE, Abu Dhabi | HQ-21 | D | <p>Nationally defined options:</p> <p>1 = Some secondary school</p> <p>2 = Secondary school</p> <p>3 = Teacher training certificate, apprenticeship, or traineeship</p> <p>4 = College diploma</p> <p>5 = Bachelor's degree or equivalent</p> <p>6 = Beyond bachelor's degree (e.g., Master's of Arts, PhD)</p> |
| UAE, Dubai | HQ-21 | D | <p>Nationally defined options:</p> <p>1 = Some secondary school</p> <p>2 = Secondary school</p> <p>3 = Teacher training certificate, apprenticeship, or traineeship</p> <p>4 = College diploma</p> <p>5 = Bachelor's degree or equivalent</p> <p>6 = Beyond bachelor's degree (e.g., Master's of Arts, PhD)</p> |
| United Arab Emirates | HQ-21 | D | <p>Nationally defined options:</p> <p>1 = Some secondary school</p> <p>2 = Secondary school</p> <p>3 = Teacher training certificate, apprenticeship, or traineeship</p> <p>4 = College diploma</p> <p>5 = Bachelor's degree or equivalent</p> <p>6 = Beyond bachelor's degree (e.g., Master's of Arts, PhD)</p> |

HQ-22A-B

Question:

Which best describes the employment situation of the child's father (or stepfather or male guardian) and mother (or stepmother or female guardian)?

- A: Child's father
B: Child's mother

- 1 = Working at least full-time for pay (this could be one or more full-time jobs or several part-time jobs that add up to full-time work)
2 = Working only part-time for pay
3 = Not working for pay
4 = Other
5 = Not applicable

Variable Name(s): ASBH22A, ASBH22B

| Country | Item ID | Code | Documentation |
|-----------------|----------|------|---|
| Chile | HQ-22A-B | D | National categories recoded for international comparability: 1 = Working at least full-time for pay (this could be one or more full-time jobs or several part-time jobs that add up to full-time work) 2 = Working only part-time for pay 3 = Not working for pay 4 = Other 5 = Category not administered or data not available |
| Croatia | HQ-22A-B | D | Nationally defined categories: 1 = Working full-time (one or more full-time jobs or several part-time jobs that add up to full-time work) 2 = Working part-time 3 = Unemployed 4 = Other 5 = Not applicable |
| Netherlands | HQ-22A-B | D | National categories recoded for international comparability: 1 = Working at least full-time for pay for 36 hours or more (this could be one or more full-time jobs or several part-time jobs that add up to full-time work) 2 = Working only part-time for pay for 28 - 36 hours / Working only part-time for pay for 20 - 28 hours / Working only part-time for pay less than 20 hours 3 = Not working for pay 4 = Other 5 = Not applicable |
| Slovak Republic | HQ-22A-B | D | National categories recoded for international comparability: 1 = Working at least full-time for pay (this could be one or more full-time jobs or several part-time jobs that add up to full-time work) 2 = Working only part-time for pay 3 = Not working for pay (e.g., as a volunteer) / Unemployed 4 = Other (e.g., at maternity leave, retired) 5 = I cannot classify |

HQ-23A-B

Question:

What kind of work do the child's father (or stepfather or male guardian) and mother (or stepmother or female guardian) do for their main jobs?

A: Child's father

B: Child's mother

1 = Has never worked for pay

2 = Small Business Owner

3 = Clerk

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

Variable Name(s): ASBH23A, ASBH23B

| Country | Item ID | Code | Documentation |
|---------|----------|------|---|
| Poland | HQ-23A-B | D | <p>National categories recoded for international comparability:</p> <p>1 = Has never worked for pay</p> <p>2 = Small Business Owner</p> <p>3 = Clerk</p> <p>4 = Service or Sales Worker</p> <p>5 = Skilled Agricultural or Fishery Worker</p> <p>6 = Craft or Trade Worker</p> <p>7 = Plant or Machine Operator</p> <p>8 = General Laborers</p> <p>9 = Medium or large business owner / Corporate Manager or Senior Official</p> <p>10 = Professional</p> <p>11 = Technician or Associate Professional</p> <p>12 = Not applicable</p> |

SECTION 3:
FOURTH GRADE –
TEACHER
QUESTIONNAIRE

TIMSS 2015 USER GUIDE FOR THE
INTERNATIONAL DATABASE



IEA

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> (If you have not completed <post-secondary or tertiary education>, go to #G6)

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 |
|-------------------|---------|------|---|
| ARG, Buenos Aires | TQG-04 | D | Nationally defined options: 1 = Did not complete secondary education 2 = Secondary education 3 = Post-secondary, non-tertiary education 4 = Tertiary education 5 = Bachelor's or equivalent 6 = Master's or equivalent 7 = Doctor or equivalent |
| 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 | Nationally defined options: 1 = Did not complete secondary education 2 = Secondary education 3 = Diploma 4 = Postgraduate diploma 5 = Bachelor's 6 = Master's 7 = PhD |
| Belgium, Flemish | TQG-04 | D | National options recoded for international comparability: 1 = Did not complete upper secondary education 2 = Upper secondary education 3 = Specialization year, 1 additional year in secondary education after finishing 6 years of secondary education 4 = Higher vocational education after secondary education 5 = Professional Bachelor, a degree of higher education of 1 cycle (e.g., teacher, A1, graduate, ...) / Academic Bachelor 6 = Master or licentiate (higher education with 2 cycles or university) 7 = Doctor (PhD) at university |

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| Bulgaria | TQG-04 | D | Nationally defined options: 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 (Doctor) |
| CAN, Ontario | TQG-04 | D | Nationally defined options: 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 |
| CAN, Quebec | TQG-04 | D | Nationally defined options: 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 |
| Canada | TQG-04 | D | Nationally defined options: 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 | 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 = Program in a vocational education center / Program in a professional education center 5 = Program in a university 6 = Master's degree 7 = PhD |
| Chinese Taipei | TQG-04 | D | National options recoded for international comparability: 1 = Did not finish the senior high school or the vocational school program 2 = Senior high school or the vocational school program 3 = Junior college or the 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 program 7 = PhD program |

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| Croatia | TQG-04 | D | Nationally defined options: 1 = Elementary school 2 = Three year high school 3 = Four year high school 4 = Non-university higher education (two or three years, university undergraduate education, Bachelor's degree in period of 3 years) 5 = University education (graduate and postgraduate education, Bachelor's degree in period of 4 years) 6 = Master of science 7 = Doctor of science |
| Cyprus | 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 = Non-University diploma (e.g., Pedagogical Academy) 5 = Bachelor's Degree 6 = Master's Degree 7 = Doctorate |
| Czech Republic | TQG-04 | D | Nationally defined options: 1 = Did not complete upper secondary education 2 = Upper secondary education 3 = Extension study 4 = Higher professional school or conservatory 5 = University Bachelor's degree 6 = University Master's degree 7 = University Doctorate or equivalent |
| Denmark | TQG-04 | D | Nationally defined options: 1 = Did not complete high school (HF, HHX, or HTX) 2 = High school (HF, HHX, or HTX) 3 = Short education of less than 2 years 4 = Short or longer education of at least 2 years 5 = Bachelor level of at least 3 years 6 = Education of 5 years or longer 7 = Doctor or equivalent level |
| England | TQG-04 | D | Nationally defined options: 1 = Did not complete AS, A level or equivalent qualifications, e.g., NVQ at Level 3 or GNVQ 2 = 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 = Masters Degree 7 = Doctorate or higher degree (e.g., MPhil, PhD) |
| Finland | TQG-04 | D | Nationally defined options: 1 = No upper secondary degree, academic or vocational 2 = Upper secondary degree, academic or vocational 3 = Special vocational degree 4 = Higher vocational degree 5 = Lower degree at the polytechnic or university, 3 years 6 = Higher degree at the polytechnic, 5 years or university 7 = Post-graduate degree at the university (licentiate or doctor) |

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| France | TQG-04 | D | <p>Nationally defined options:</p> <p>1 = Did not complete the second cycle of secondary professional degree (BEP, BP, Bac Pro), technological (Bac techno) or general (general Bac)</p> <p>2 = Second cycle of secondary professional degree (BEP, BP, Bac Pro), technological (Bac techno) or general (general Bac)</p> <p>3 = Pre-university education (e.g., capacity in law)</p> <p>4 = Short higher education (DUT, BTS, CPGEs, postgraduate, L2, etc.)</p> <p>5 = Degree or equivalent</p> <p>6 = Long university education (Master, DEA, DESS, etc.)</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 10-11)</p> <p>2 = Secondary level of General Education (Grades 10-11)</p> <p>3 = Vocational school</p> <p>4 = Higher vocational school</p> <p>5 = First degree higher education (4-year 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 (such as Candidate Doctor's or Doctor's)</p> |
| Germany | TQG-04 | D | <p>Which educational degree do you have? / Which vocational degree do you have?</p> <p>National options recoded for international comparability:</p> <p>1 = [A = Omitted or invalid & B = No vocational degree, or None of these listed degrees]</p> <p>2 = [A = Omitted or invalid & B is any of (Degree for vocational preparation, Degree from apprenticeship (school or apprenticeship) or civil servant training (intermediate level), None of these listed degrees, Omitted or invalid)] / [A = 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 & B is any of (No vocational degree, None of these listed degrees, Omitted or invalid)] / [A = A level/general secondary certification & B is any of (No vocational degree, None of these listed degrees, Omitted or invalid)]</p> <p>3 = [A = 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 & B is any of (Degree for vocational preparation, Degree from apprenticeship (school or apprenticeship) or civil servant training (intermediate level))] / [A = A level/general secondary certification & B is any of (Degree for vocational preparation, Degree from apprenticeship (school or apprenticeship) or civil servant training (intermediate level))]</p> <p>4 = [A = Omitted or invalid & B is any of (Degree from vocational school or from a school in the health sector (1 year), Degree from a university of applied arts of the former GDR, Degree from a school of administration)] / [A = 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 & B is any of (Degree from vocational school or from a school in the health sector (1 year), Degree from a university of applied arts of the former GDR, Degree from a school of administration)] / [A = A level/general secondary certification & B is any of (Degree from vocational school or from a school in the health sector (1 year), Degree from a university of applied arts of the former GDR, Degree from a school of administration)]</p> |

5 = [A = Omitted or invalid & B is any of (Bachelor's (university of applied science or university))] / [A = 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 & B is any of (Bachelor's (university of applied science or university))] / [A = A level/general secondary certification & B is any of (Bachelor's (university of applied science or university))] / [A = College degree (bachelors), degree from a business academy or diploma; technical college degree & B is any of (No vocational degree, Degree for vocational preparation, Degree from apprenticeship (school or apprenticeship) or civil servant training (intermediate level), Degree from vocational school or from a school in the health sector (1 year), Degree from a university of applied arts of the former GDR, Degree from a school of administration, Bachelor's (university of applied science or university), None of these listed degrees, Omitted or invalid)]

6 = [A = Omitted or invalid & B is any of (Master degree (university of applied science or university), Other degree from a University of applied science (also engineering), Other degree obtained at a university (e.g. Diplom, Magister, First State examination), Second state examination)] / [A = 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 & B is any of (Master's (university of applied science or university), Other degree from a University of applied science (also engineering), Other degree obtained at a university (e.g. Diplom, Magister, First State examination), Second state examination)] / [A = A-level/general secondary certification & B is any of (Master's (university of applied science or university), Other degree from a University of applied science (also engineering), Other degree obtained at a university (e.g. Diplom, Magister, First State examination), Second state examination)] / [A = College degree (bachelor's), degree from a business academy or diploma; technical college degree & B is any of (Master's (university of applied science or university), Other degree from a University of applied science (also engineering), Other degree obtained at a university (e.g. Diplom, Magister, First State examination), Second state examination)] / [A = College degree (masters, magister, diploma, state examination) & B is any of (No vocational degree, Degree for vocational preparation, Degree from apprenticeship (school or apprenticeship) or civil servant training (intermediate level), Degree from vocational school or from a school in the health sector (1 year), Degree from a university of applied arts of the former GDR, Degree from a school of administration, Bachelor's (university of applied science or university), Master's (university of applied science or university), Other degree from a University of applied science (also engineering), Other degree obtained at a university (e.g. Diplom, Magister, First State examination), Second state examination, None of these listed degrees, Omitted or invalid)]

7 = [A = Omitted or invalid & B is any of (Ph.D)] / [A = Technical college certification/vocational school degree (teaching, apprenticeship) or vocational specialty school degree/degree from professional school, master or technical school, or from a health occupation school & B is any of (Ph.D)] / [A = A level/general secondary certification & B is any of (Ph.D)] / [A = College degree (bachelors), degree from a business academy or diploma; technical college degree & B is any of (Ph.D)] / [A = College degree (masters, magister, diploma, state examination) & B is any of (Ph.D)] / [A = Higher than a college degree (masters, magister, diploma, state examination), such as a Ph.D & B is any of (No vocational degree, Degree for vocational preparation, Degree from apprenticeship (school or apprenticeship) or civil servant training (intermediate level), Degree from vocational school or from a school in the health sector (1 year), Degree from a university of applied arts of the former GDR, Degree from a school of administration, Bachelor's (university of applied science or university), Master's (university of applied science or university), Other degree from a University of applied science (also engineering), Other degree obtained at a university (e.g. Diplom, Magister, First State examination), Second state examination, Ph.D, None of these listed degrees)]

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| 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 = Completed a Certificate in Education (awarded by the Institute of Education or former Colleges of Education), 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 complete upper secondary education 2 = Upper secondary education mature 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) |
| Indonesia | 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 |
| 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 6 = Master's or equivalent 7 = Doctor or equivalent |
| 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 = Tertiary education level I 5 = Tertiary education level II or equivalent 6 = Master's or equivalent level 7 = Doctor or equivalent level |

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| Japan | TQG-04 | D | Nationally defined options: 1 = Did not complete 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 7 = Doctoral programs of graduate school |
| Jordan | TQG-04 | D | Nationally defined options: 1 = Did not complete secondary education 2 = Secondary education 3 = Post-secondary, non-tertiary education - vocational education 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 general secondary education 2 = General secondary education 3 = Technical or vocational education / Post-secondary education 4 = Option not administered or data not available 5 = Higher education (Bachelor degree) 6 = Postgraduate education (graduate school or Master degree) 7 = Doctorate (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 = Two-year or three-year college 5 = Four-year 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 secondary level 2 = Secondary level 3 = Pre-university education (e.g., diploma) 4 = Technical or applied education 5 = Bachelor's or equivalent level 6 = Master's or equivalent level 7 = Doctor or equivalent level |
| Lithuania | TQG-04 | D | Nationally defined options: 1 = Not completed secondary 2 = Secondary 3 = Vocational (already having secondary education) 4 = Further (finished further education school, technical school) 5 = Bachelor's (finish university) or vocational bachelor (finish college) degree 6 = Master's or higher degree 7 = Doctor's or higher degree |

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| Morocco | TQG-04 | D | Nationally defined options: 1 = Did not complete upper secondary education 2 = Upper secondary education 3 = Preparatory classes (for entry to engineering schools) 4 = Diploma of university studies 5 = Bachelor degree or equivalent 6 = Masters degree 7 = Doctorate |
| Netherlands | TQG-04 | D | National options recoded for international comparability: 1 = No education with diploma or lower secondary vocational education 2 = Upper secondary education 3 = Option not administered or data not available 4 = Short cycle tertiary education of 2-3 years 5 = Higher vocational education or Bachelor's 6 = Master's 7 = Doctor |
| New Zealand | 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 = College of Education diploma or other national or vocational diploma 5 = Bachelor's degree 6 = Bachelor's Honors, Post-graduate diploma, or Master's degree 7 = PhD |
| Northern Ireland | TQG-04 | D | Nationally defined options: 1 = Did not complete A levels or equivalent 2 = A levels or equivalent 3 = Access course for higher education 4 = Certificate for higher education or HND 5 = Bachelor's degree 6 = Master's degree 7 = Doctorate |
| Norway | TQG-04 | D | Nationally defined options: 1 = Did not complete secondary school 2 = Secondary school 3 = Education beyond secondary school (not university or university college) 4 = University or university college, less than 3 years 5 = Bachelor's or equivalent 6 = Master's or equivalent 7 = Doctor or equivalent |
| Norway (Grade 4) | TQG-04 | D | Nationally defined options: 1 = Did not complete secondary school 2 = Secondary school 3 = Education beyond secondary school (not university or university college) 4 = University or university college, less than 3 years 5 = Bachelor's or equivalent 6 = Master's or equivalent 7 = Doctor or equivalent |
| Oman | 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 |

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|--------------------|--------|---|---|
| Poland | TQG-04 | D | Nationally defined options: 1 = Unfinished upper secondary school 2 = Upper secondary school 3 = Post secondary, non-tertiary (e.g., Teacher study) 4 = Teacher college 5 = Higher Bachelor's or Engineer's study 6 = Higher Master's or Physician's study 7 = Doctorate |
| Portugal | 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 = Baccalaureate (3-year university degree) 5 = License (5-year university degree) 6 = Master's degree 7 = Doctorate degree |
| Qatar | 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 degree or equivalent 6 = Master's degree or equivalent 7 = PhD or equivalent |
| Russian Federation | TQG-04 | D | Nationally defined options: 1 = Basic general education 2 = Secondary general education 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 7 = Candidate or Doctor degree |
| Saudi Arabia | 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 |
| Serbia | TQG-04 | D | Nationally defined options: 1 = Not completed 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 |

| | | | |
|-----------------|--------|---|---|
| Singapore | TQG-04 | D | Nationally defined options: 1 = Did not complete upper secondary 2 = Upper secondary 3 = Post-secondary, non-tertiary (e.g., JC, CI, ITE) 4 = Polytechnic 5 = University Bachelor's degree 6 = Master's degree 7 = Doctoral (e.g., PhD) degree |
| Slovak Republic | TQG-04 | D | Nationally defined options: 1 = Incomplete secondary education 2 = Secondary education 3 = Post-secondary education 4 = Higher professional education 5 = Bachelor's study 6 = University education - 2nd stage (Master's degree) 7 = University education - 3rd stage (PhD. degree) |
| Slovenia | TQG-04 | D | Nationally defined options: 1 = Did not complete upper secondary education 2 = Upper secondary education 3 = Post-secondary, non-tertiary education (high school) 4 = Short-cycle tertiary education (2-year old study programs, also teacher college or vocational oriented study) 5 = University study of the first Bologna degree 6 = University 4 year study (old programs) or university study of the second Bologna degree or master of science 7 = Doctorate of science |
| South Africa | TQG-04 | D | National options recoded for international comparability: 1 = Did not complete Grade 12 2 = Grade 12 3 = Post-matric certificate 4 = Diploma 5 = First degree / Honours degree 6 = Master's degree 7 = Doctoral degree |
| Spain | TQG-04 | D | National options recoded for international comparability: 1 = Did not complete Baccalaureate or Vocational Training 2 = Baccalaureate or Vocational Training 3 = Option not administered or data not available 4 = Upper Vocational Training, Bachelor's degree, Engineering or Architecture 5 = University degree 6 = Master's degree 7 = PhD |
| Sweden | TQG-04 | D | Nationally defined options: 1 = Did not complete secondary 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's degree) 6 = University or university college degree (e.g., Master's degree) 7 = Postgraduate education (e.g., licentiate or PhD degree) |

| | | | |
|----------------------|--------|---|---|
| Turkey | 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 = Associate degree (2 years college)</p> <p>5 = Bachelor of Science (4 years)</p> <p>6 = Master of Science or Doctorate</p> <p>7 = Option not administered or data not available</p> |
| UAE, Abu Dhabi | TQG-04 | D | <p>Nationally defined options:</p> <p>1 = Did not complete secondary school</p> <p>2 = Secondary school</p> <p>3 = Teacher training certificate, apprenticeship, or traineeship</p> <p>4 = College diploma</p> <p>5 = Bachelor's or equivalent</p> <p>6 = Master's or equivalent (e.g., Master's of Arts degree, M.Sc)</p> <p>7 = Doctor's or equivalent</p> |
| UAE, Dubai | TQG-04 | D | <p>Nationally defined options:</p> <p>1 = Did not complete secondary school</p> <p>2 = Secondary school</p> <p>3 = Teacher training certificate, apprenticeship, or traineeship</p> <p>4 = College diploma</p> <p>5 = Bachelor's or equivalent</p> <p>6 = Master's or equivalent (e.g., Master's of Arts degree, M.Sc)</p> <p>7 = Doctor's or equivalent</p> |
| United Arab Emirates | TQG-04 | D | <p>Nationally defined options:</p> <p>1 = Did not complete secondary school</p> <p>2 = Secondary school</p> <p>3 = Teacher training certificate, apprenticeship, or traineeship</p> <p>4 = College diploma</p> <p>5 = Bachelor's or equivalent</p> <p>6 = Master's or equivalent (e.g., Master's of Arts degree, M.Sc)</p> <p>7 = Doctor's or equivalent</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 (PhD or EdD)</p> |
| USA, Florida | 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 (PhD or EdD)</p> |

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 |
|-----------------------|----------------|------|---|
| Belgium, Flemish | TQG-05AA | D | Professional Bachelor in education - kindergarten / Professional Bachelor in education - lower education |
| Belgium, Flemish | TQG-05AA-AB,AF | D | Stem of the question changed: Which teacher training did you complete with a diploma? |
| Belgium, Flemish | TQG-05AB | D | Professional Bachelor's in education - secondary education / Specific teacher education (aggregation/academic teacher course, D-course, diploma pedagogical competencies) |
| Belgium, Flemish | TQG-05AC-AE | X | Option not administered or data not available |
| Bulgaria | TQG-05AE | D | Bulgarian philology |
| Croatia | TQG-05AA-AE | X | Option not administered or data not available |
| Cyprus | TQG-05AA-AF | D | Tertiary education |
| France | TQG-05AA-AF | D | Stem of the question changed: After baccalaureate what were your major fields of study? |
| Georgia | TQG-05AE | D | Georgian language and literature |
| Germany | TQG-05AD | D | Biology / Geography / Chemistry / Physics / Science |
| Germany | TQG-05AF | D | Education—Special Needs / Foreign language / Other |
| Hungary | TQG-05AA | D | Primary school teacher (grades 1-4) / Primary school teacher (grades 5-8) of any specialization |
| Hungary | TQG-05AA-AF | D | Stem of the question changed: Which majors have you finished your tertiary education in? |
| Hungary | TQG-05AE | D | Hungarian grammar and literature |
| Iran, Islamic Rep. of | TQG-05AE | D | Farsi literature |
| Ireland | TQG-05AA-AF | D | Third-level |
| Kazakhstan | TQG-05AA-AF | D | Stem of the question changed: What was your main area(s) of your vocational education? |
| Korea, Rep. of | TQG-05AA-AF | D | Stem of the question changed: What was your major of the study degree? |
| Kuwait | TQG-05AA-AF | D | Pre-university |
| Lithuania | TQG-05AE | D | Lithuanian (ITLANG = 22) / Polish (ITLANG = 27) / Russian (ITLANG = 29) |

| | | | |
|--------------------|----------------|---|--|
| Netherlands | TQG-05AA | D | 4-year teacher training for primary school teachers (PABO) / 2-year PABO / Teacher training for kindergarten teachers (PO) |
| Netherlands | TQG-05AA-AB,AF | D | Stem of the question changed: Which teacher training did you complete with a diploma? |
| Netherlands | TQG-05AB | D | Teacher training for secondary school teachers |
| Netherlands | TQG-05AC-AE | X | Option not administered or data not available |
| Netherlands | TQG-05AF | D | Not yet finished |
| Poland | TQG-05AB | X | Option not administered or data not available |
| Poland | TQG-05AD | D | Geography / Biology / Chemistry / Physics |
| Portugal | TQG-05AA-AF | D | Tertiary |
| Russian Federation | TQG-05AA-AF | D | Stem of the question changed: What were the major or main areas of your professional education? |
| Slovak Republic | TQG-05AF | D | For ITLANG = 17 ("Hungarian"): Slovak language / Other For ITLANG = 30 ("Slovak"): Hungarian language / Other |
| South Africa | TQG-05AA-AF | D | Tertiary |
| Turkey | TQG-05AA-AF | D | Stem of the question changed: During your higher education training, what was your major or main area(s) of study? |
| United States | TQG-05AA-AF | D | College or university |
| USA, Florida | TQG-05AA-AF | D | College or university |

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 |
|--------------------|-------------|------|---|
| 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 |
| Germany | TQG-05BB | D | Biology / Geography / Chemistry / Physics / Science |
| 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? |
| Kazakhstan | TQG-05BC | D | Russian language or reading (if ITLANG = 29) / Kazakh language or reading (if ITLANG = 39) |
| Poland | TQG-05BA-BD | D | Stem of the question changed: What subjects you are entitled to teach? |
| Russian Federation | TQG-05BC | D | Russian language or reading |
| Singapore | TQG-05BC | D | English language or reading |
| Slovak Republic | TQG-05BD | D | For ITLANG = 17 ("Hungarian"): Slovak language or reading / Other subject For ITLANG = 30 ("Slovak"): Hungarian language or reading / Other subject |
| Sweden | TQG-05BA-BD | D | Orientation |

TQG-07A-H

Question:

Thinking about your current school, indicate the extent to which you agree or disagree with each of the following statements.

- A: This school is located in a safe neighborhood
- B: I feel safe at this school
- C: This school's security policies and practices are sufficient
- D: The students behave in an orderly manner
- E: The students are respectful of the teachers
- F: The students respect school property
- G: This school has clear rules about student conduct
- H: This school's rules are enforced in a fair and consistent manner

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

Variable Name(s): ATBG07A, ATBG07B, ATBG07C, ATBG07D, ATBG07E, ATBG07F, ATBG07G, ATBG07H

| Country | Item ID | Code | Documentation |
|---------|-----------|------|---|
| Serbia | TQG-07A-H | D | Nationally defined categories: 1 = I agree completely 2 = I agree more than I disagree 3 = I do not agree more than I agree 4 = I do not agree at all |

TQG-09A-G

Question:

How often do you have the following types of interactions with other teachers?

- A: Discuss how to teach a particular topic
- B: Collaborate in planning and preparing instructional materials
- C: Share what I have learned about my teaching experiences
- D: Visit another classroom to learn more about teaching
- E: Work together to try out new ideas
- F: Work as a group on implementing the curriculum
- G: Work with teachers from other grades to ensure continuity in learning

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

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

| Country | Item ID | Code | Documentation |
|----------|---------|------|--|
| Bulgaria | TQG-09F | D | Work with other teachers on implementing the school development strategy |

TQG-11A-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): ATBG11A, ATBG11B, ATBG11C, ATBG11D, ATBG11E, ATBG11F, ATBG11G, ATBG11H

| Country | Item ID | Code | Documentation |
|-----------------|-----------|------|--|
| Singapore | TQG-11A-H | X | Question not administered or data not available |
| Slovak Republic | TQG-11G | D | I have difficulty keeping up with all of the changes to state/school educational program |

TQG-12B

Question:

How many of the students in #G12A are in <fourth grade>?

Variable Name(s): ATBG12B

| Country | Item ID | Code | Documentation |
|--------------------|---------|------|--|
| Hungary | TQG-12B | D | Gang punched to teachers' responses to question G12A "How many students are in this class?" |
| Italy | TQG-12B | X | Option not administered or data not available |
| Lithuania | TQG-12B | D | Gang punched to teachers' responses to question G12A "How many students are in this class?" |
| Netherlands | TQG-12B | D | Gang punched to teachers' responses to question G12A "How many students are in this class?" |
| Russian Federation | TQG-12B | X | Option not administered or data not available |
| Singapore | TQG-12B | D | Gang punched to teachers' responses to question G12A "How many students are in this class?" |
| Slovak Republic | TQG-12B | D | Question instruction added: Previous question was stated because, in this research, there are some classes that are multigrade. If you are a teacher in such a class, we ask you to fill data that regard only the fourth-grade students in your class. |
| Turkey | TQG-12B | D | Gang punched to teachers' responses to question G12A "How many students are in this class?" |

TQG-13

Question:

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

Variable Name(s): ATBG13

| Country | Item ID | Code | Documentation |
|-----------|---------|------|------------------------------|
| Lithuania | TQG-13 | D | Language students are taught |

TQG-15A-G

Question:

In your view, to what extent do the following limit how you teach this class?

A: Students lacking prerequisite knowledge or skills

B: Students suffering from lack of basic nutrition

C: Students suffering from not enough sleep

D: Disruptive students

E: Uninterested students

F: Students with physical disabilities

G: Students with mental, emotional, or psychological disabilities

1 = Not at all

2 = Some

3 = A lot

Variable Name(s): ATBG15A, ATBG15B, ATBG15C, ATBG15D, ATBG15E, ATBG15F, ATBG15G

| Country | Item ID | Code | Documentation |
|----------|---------|------|---|
| Bulgaria | TQG-15G | D | Students with intellectual difficulties |

TQM-02A-I

Question:

In teaching mathematics to this class, how would you characterize your confidence in doing the following?

- A: Inspiring students to learn mathematics
- B: Showing students a variety of problem solving strategies
- C: Providing challenging tasks for the highest achieving students
- D: Adapting my teaching to engage students' interest
- E: Helping students appreciate the value of learning mathematics
- F: Assessing student comprehension of mathematics
- G: Improving the understanding of struggling students
- H: Making mathematics relevant to students
- I: Developing students' higher-order thinking skills

- 1 = Very high
- 2 = High
- 3 = Medium
- 4 = Low

Variable Name(s): ATBM02A, ATBM02B, ATBM02C, ATBM02D, ATBM02E, ATBM02F, ATBM02G, ATBM02H, ATBM02I

| Country | Item ID | Code | Documentation |
|--------------------|-----------|------|--|
| Bulgaria | TQM-02A-I | D | Nationally defined categories: 1 = Extremely confident 2 = Very confident 3 = Somewhat confident 4 = Not confident |
| Germany | TQM-02A-I | D | Nationally defined options: 1 = Very confident 2 = Confident 3 = Somewhat confident 4 = Unconfident |
| Russian Federation | TQM-02A-I | D | Nationally defined categories: 1 = Very confident 2 = Confident 3 = Somewhat confident 4 = Not confident |

TQM-05A

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): ATBM05A

| Country | Item ID | Code | Documentation |
|---------|---------|------|---|
| Germany | TQM-05A | D | Do the students in this class have computers available to use during their mathematics lessons? / Do the students in this class have tablets available to use during their mathematics lessons? |

TQM-06AA-AH

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."

- A: Concepts of whole numbers, including place value and ordering
- B: Adding, subtracting, multiplying, and/or dividing with whole numbers
- C: Concepts of multiples and factors; odd and even numbers
- D: Concepts of fractions (fractions as parts of a whole or of a collection, or as a location on a number line)
- E: Adding and subtracting with fractions, comparing and ordering fractions
- F: Concepts of decimals, including place value and ordering, adding and subtracting with decimals
- G: Number sentences (finding the missing number, modeling simple situations with number sentences)
- H: Number patterns (extending number patterns and finding missing terms)

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

Variable Name(s): ATBM06AA, ATBM06AB, ATBM06AC, ATBM06AD, ATBM06AE, ATBM06AF, ATBM06AG, ATBM06AH

| Country | Item ID | Code | Documentation |
|--------------------|-------------|------|---|
| Russian Federation | TQM-06AA-AH | X | Option not administered or data not available |

TQM-06BA-BG

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."

- A: Lines: measuring, estimating length of; parallel and perpendicular lines
- B: Comparing and drawing angles
- C: Using informal coordinate systems to locate points in a plane (e.g., in square B4)
- D: Elementary properties of common geometric shapes
- E: Reflections and rotations
- F: Relationships between two-dimensional and three-dimensional shapes
- G: Finding and estimating areas, perimeters, and volumes

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

Variable Name(s): ATBM06BA, ATBM06BB, ATBM06BC, ATBM06BD, ATBM06BE, ATBM06BF, ATBM06BG

| Country | Item ID | Code | Documentation |
|--------------------|-------------|------|---|
| Russian Federation | TQM-06BA-BG | X | Option not administered or data not available |

TQM-06CA-CB**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."

A: Reading and representing data from tables, pictographs, bar graphs, or pie charts

B: Drawing conclusions from data displays

1 = Mostly taught before this year

2 = Mostly taught this year

3 = Not yet taught or just introduced

Variable Name(s): ATBM06CA, ATBM06CB

| Country | Item ID | Code | Documentation |
|--------------------|-------------|------|---|
| Russian Federation | TQM-06CA-CB | X | Option not administered or data not available |

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 |
|-----------|---------|------|---|
| Denmark | TQM-10 | D | Subject orientated training |
| England | TQM-10 | D | Stem of the question changed: In the past two years, how many hours in total have you spent in formal INSET/CPD (e.g., workshops, seminars, etc.) for maths? |
| Germany | TQM-10 | D | Service training |
| Lithuania | TQM-10 | D | Refresher course |

TQM-11AA-AH

Question:

How well prepared do you feel you are to teach the following mathematics topics?

If a topic is not in the <fourth grade> curriculum or you are not responsible for teaching this topic, please choose "Not applicable."

- A: Concepts of whole numbers, including place value and ordering
- B: Adding, subtracting, multiplying, and/or dividing with whole numbers
- C: Concepts of multiples and factors; odd and even numbers
- D: Concepts of fractions (fractions as parts of a whole or of a collection, or as a location on a number line)
- E: Adding and subtracting with fractions, comparing and ordering fractions
- F: Concepts of decimals, including place value and ordering, adding and subtracting with decimals
- G: Number sentences (finding the missing number, modeling simple situations with number sentences)
- H: Number patterns (extending number patterns and finding missing terms)

- 1 = Not applicable
- 2 = Very well prepared
- 3 = Somewhat prepared
- 4 = Not well prepared

Variable Name(s): ATBM11AA, ATBM11AB, ATBM11AC, ATBM11AD, ATBM11AE, ATBM11AF, ATBM11AG, ATBM11AH

| Country | Item ID | Code | Documentation |
|--------------------|-------------|------|---|
| Russian Federation | TQM-11AA-AH | X | Option not administered or data not available |

TQM-11BA-BG

Question:

How well prepared do you feel you are to teach the following mathematics topics?

If a topic is not in the <fourth grade> curriculum or you are not responsible for teaching this topic, please choose "Not applicable."

- A: Lines: measuring, estimating length of; parallel and perpendicular lines
- B: Comparing and drawing angles
- C: Using informal coordinate systems to locate points in a plane (e.g., in square B4)
- D: Elementary properties of common geometric shapes
- E: Reflections and rotations
- F: Relationships between two-dimensional and three-dimensional shapes
- G: Finding and estimating areas, perimeters, and volumes

- 1 = Not applicable
- 2 = Very well prepared
- 3 = Somewhat prepared
- 4 = Not well prepared

Variable Name(s): ATBM11BA, ATBM11BB, ATBM11BC, ATBM11BD, ATBM11BE, ATBM11BF, ATBM11BG

| Country | Item ID | Code | Documentation |
|--------------------|-------------|------|---|
| Russian Federation | TQM-11BA-BG | X | Option not administered or data not available |

TQM-11CA-CB**Question:**

How well prepared do you feel you are to teach the following mathematics topics?

If a topic is not in the <fourth grade> curriculum or you are not responsible for teaching this topic, please choose "Not applicable."

A: Reading and representing data from tables, pictographs, bar graphs, or pie charts

B: Drawing conclusions from data displays

1 = Not applicable

2 = Very well prepared

3 = Somewhat prepared

4 = Not well prepared

Variable Name(s): ATBM11CA, ATBM11CB

| Country | Item ID | Code | Documentation |
|---------|---------|------|---------------|
|---------|---------|------|---------------|

| | | | |
|--------------------|-------------|---|---|
| Russian Federation | TQM-11CA-CB | X | Option not administered or data not available |
|--------------------|-------------|---|---|

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 |
|---------|---------|------|---------------|
|---------|---------|------|---------------|

| | | | |
|------------------|---------|---|---|
| Belgium, Flemish | TQS-01B | X | Option not administered or data not available |
|------------------|---------|---|---|

TQS-05AA-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."

A: Characteristics of living things and the 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., humans, butterflies, frogs, flowering plants)

D: Understanding that some characteristics are inherited and some are the result of the environment

E: How physical features and behaviors help living things survive in their environments

F: Relationships in communities and ecosystems (e.g., simple food chains, predator-prey relationships, human impacts on the environment)

G: Human health (transmission and prevention of diseases, symptoms of health and illness, importance of a healthy diet and exercise)

1 = Mostly taught before this year

2 = Mostly taught this year

3 = Not yet taught or just introduced

Variable Name(s): ATBS05AA, ATBS05AB, ATBS05AC, ATBS05AD, ATBS05AE, ATBS05AF, ATBS05AG

| Country | Item ID | Code | Documentation |
|--------------------|-------------|------|---|
| Russian Federation | TQS-05AA-AG | X | Option not administered or data not available |

TQS-05BA-BI

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."

A: States of matter (solid, liquid, gas) and properties of the states of matter (volume, shape); how the state of matter changes by heating or cooling

B: Classifying materials based on physical properties (e.g., weight/mass, volume, conducting heat, conducting electricity, magnetic attraction)

C: Mixtures and how to separate a mixture into its components (e.g., sifting, filtering, evaporation, using a magnet)

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

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

F: Light and sound in everyday life (e.g., understanding shadows and reflection, understanding that vibrating objects make sound)

G: Electricity and simple circuits (e.g., identifying materials that are conductors, recognizing that electricity can be changed to light or sound, knowing that a circuit must be complete to work correctly)

H: Properties of magnets (e.g., knowing that like poles repel and opposite poles attract, recognizing that magnets can attract some objects)

I: Forces that cause objects to move (e.g., gravity, pushing/pulling)

1 = Mostly taught before this year

2 = Mostly taught this year

3 = Not yet taught or just introduced

Variable Name(s): ATBS05BA, ATBS05BB, ATBS05BC, ATBS05BD, ATBS05BE, ATBS05BF, ATBS05BG, ATBS05BH, ATBS05BI

| Country | Item ID | Code | Documentation |
|--------------------|-------------|------|---|
| Russian Federation | TQS-05BA-BI | X | Option not administered or data not available |

TQS-05CA-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."

A: Common features of the Earth's landscape (e.g., mountains, plains, deserts, rivers, oceans) and their relationship to human use (farming, irrigation, land development)

B: Where water is found on the Earth and how it moves in and out of the air (e.g., evaporation, rainfall, cloud formation, dew formation)

C: Understanding that weather can change from day to day, from season to season, and by geographic location

D: Understanding what fossils are and what they can tell us about past conditions on Earth

E: Objects in the solar system (the Sun, the Earth, the Moon, and other planets) and their movements (the Earth and other planets revolve around the Sun, the Moon revolves around the Earth)

F: Understanding how day and night result from the Earth's rotation on its axis and how the Earth's rotation results in changing shadows throughout the day

G: Understanding how seasons are related to the Earth's annual movement around the Sun

1 = Mostly taught before this year

2 = Mostly taught this year

3 = Not yet taught or just introduced

Variable Name(s): ATBS05CA, ATBS05CB, ATBS05CC, ATBS05CD, ATBS05CE, ATBS05CF, ATBS05CG

| Country | Item ID | Code | Documentation |
|--------------------|-------------|------|---|
| Russian Federation | TQS-05CA-CG | X | Option not administered or data not available |

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 |
|-----------|---------|------|---|
| Denmark | TQS-09 | D | Subject orientated training |
| England | TQS-09 | D | Stem of the question changed: In the past two years, how many hours in total have you spent in formal INSET/CPD (e.g., workshops, seminars, etc.) for science? |
| Germany | TQS-09 | D | Service training |
| Lithuania | TQS-09 | D | Refresher course |

TQS-10AA-AG

Question:

How well prepared do you feel you are to teach the following science topics?

If a topic is not in the <fourth grade> curriculum or you are not responsible for teaching this topic, please choose "Not applicable."

A: Characteristics of living things and the 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., humans, butterflies, frogs, flowering plants)

D: Understanding that some characteristics are inherited and some are the result of the environment

E: How physical features and behaviors help living things survive in their environments

F: Relationships in communities and ecosystems (e.g., simple food chains, predator-prey relationships, human impacts on the environment)

G: Human health (transmission and prevention of diseases, symptoms of health and illness, importance of a healthy diet and exercise)

1 = Not applicable

2 = Very well prepared

3 = Somewhat prepared

4 = Not well prepared

Variable Name(s): ATBS10AA, ATBS10AB, ATBS10AC, ATBS10AD, ATBS10AE, ATBS10AF, ATBS10AG

| Country | Item ID | Code | Documentation |
|--------------------|-------------|------|---|
| Russian Federation | TQS-10AA-AG | X | Option not administered or data not available |

TQS-10BA-BI

Question:

How well prepared do you feel you are to teach the following science topics?

If a topic is not in the <fourth grade> curriculum or you are not responsible for teaching this topic, please choose "Not applicable."

A: States of matter (solid, liquid, gas) and properties of the states of matter (volume, shape); how the state of matter changes by heating or cooling

B: Classifying materials based on physical properties (e.g., weight/mass, volume, conducting heat, conducting electricity, magnetic attraction)

C: Mixtures and how to separate a mixture into its components (e.g., sifting, filtering, evaporation, using a magnet)

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

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

F: Light and sound in everyday life (e.g., understanding shadows and reflection, understanding that vibrating objects make sound)

G: Electricity and simple circuits (e.g., identifying materials that are conductors, recognizing that electricity can be changed to light or sound, knowing that a circuit must be complete to work correctly)

H: Properties of magnets (e.g., knowing that like poles repel and opposite poles attract, recognizing that magnets can attract some objects)

I: Forces that cause objects to move (e.g., gravity, pushing/pulling)

1 = Not applicable

2 = Very well prepared

3 = Somewhat prepared

4 = Not well prepared

Variable Name(s): ATBS10BA, ATBS10BB, ATBS10BC, ATBS10BD, ATBS10BE, ATBS10BF, ATBS10BG, ATBS10BH, ATBS10BI

| Country | Item ID | Code | Documentation |
|--------------------|-------------|------|---|
| Russian Federation | TQS-10BA-BI | X | Option not administered or data not available |

TQS-10CA-CG

Question:

How well prepared do you feel you are to teach the following science topics? □

If a topic is not in the <fourth grade> curriculum or you are not responsible for teaching this topic, please choose "Not applicable."

A: Common features of the Earth's landscape (e.g., mountains, plains, deserts, rivers, oceans) and their relationship to human use (farming, irrigation, land development)

B: Where water is found on the Earth and how it moves in and out of the air (e.g., evaporation, rainfall, cloud formation, dew formation)

C: Understanding that weather can change from day to day, from season to season, and by geographic location

D: Understanding what fossils are and what they can tell us about past conditions on Earth

E: Objects in the solar system (the Sun, the Earth, the Moon, and other planets) and their movements (the Earth and other planets revolve around the Sun, the Moon revolves around the Earth)

F: Understanding how day and night result from the Earth's rotation on its axis and how the Earth's rotation results in changing shadows throughout the day

G: Understanding how seasons are related to the Earth's annual movement around the Sun

1 = Not applicable

2 = Very well prepared

3 = Somewhat prepared

4 = Not well prepared

Variable Name(s): ATBS10CA, ATBS10CB, ATBS10CC, ATBS10CD, ATBS10CE, ATBS10CF, ATBS10CG

| Country | Item ID | Code | Documentation |
|--------------------|-------------|------|---|
| Russian Federation | TQS-10CA-CG | X | Option not administered or data not available |

SECTION 4:
FOURTH GRADE –
SCHOOL
QUESTIONNAIRE

TIMSS 2015 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, 2015>?

Variable Name(s): ACBG01

| Country | Item ID | Code | Documentation |
|-----------------------|---------|------|--|
| ARG, Buenos Aires | SCQ-01 | D | October 1, 2014 |
| Australia | SCQ-01 | D | October 1, 2014 |
| Bahrain | SCQ-01 | D | March 1, 2015 |
| Belgium, Flemish | SCQ-01 | D | On the day that the TIMSS test is administered |
| Bulgaria | SCQ-01 | D | March 1, 2015 |
| CAN, Ontario | SCQ-01 | D | April 1, 2015 |
| CAN, Quebec | SCQ-01 | D | April 1, 2015 |
| Canada | SCQ-01 | D | April 1, 2015 |
| Chile | SCQ-01 | D | November 1, 2014 |
| Chinese Taipei | SCQ-01 | D | May 1, 2015 |
| Croatia | SCQ-01 | D | April 1, 2015 |
| Cyprus | SCQ-01 | D | March 1, 2015 |
| Czech Republic | SCQ-01 | D | May 1, 2015 |
| Denmark | SCQ-01 | D | March 1, 2015 |
| England | SCQ-01 | D | March 1, 2015 |
| Finland | SCQ-01 | D | March 1, 2015 |
| France | SCQ-01 | D | April 1, 2015 |
| Georgia | SCQ-01 | D | April 1, 2015 |
| Germany | SCQ-01 | D | May 1, 2015 |
| Hong Kong SAR | SCQ-01 | D | April 1, 2015 |
| Hungary | SCQ-01 | D | March 1, 2015 |
| Indonesia | SCQ-01 | D | April 1, 2015 |
| Iran, Islamic Rep. of | SCQ-01 | D | April 1, 2015 |
| Ireland | SCQ-01 | D | April 1, 2015 |
| Italy | SCQ-01 | D | March 1, 2015 |
| Japan | SCQ-01 | D | March 1, 2015 |
| Jordan | SCQ-01 | D | April 1, 2015 |
| Kazakhstan | SCQ-01 | D | April 1, 2015 |

| | | | |
|----------------------|--------|---|---|
| Korea, Rep. of | SCQ-01 | D | December 1, 2014 |
| Kuwait | SCQ-01 | D | April 1, 2015 |
| Lithuania | SCQ-01 | D | March 1, 2015 |
| Morocco | SCQ-01 | D | May 1, 2015 |
| Netherlands | SCQ-01 | D | The day that the TIMSS test is administered |
| New Zealand | SCQ-01 | D | October 1, 2014 |
| Northern Ireland | SCQ-01 | D | May 1, 2015 |
| Norway | SCQ-01 | D | March 1, 2015 |
| Norway (Grade 4) | SCQ-01 | D | March 1, 2015 |
| Oman | SCQ-01 | D | April 1, 2015 |
| Poland | SCQ-01 | D | April 1, 2015 |
| Portugal | SCQ-01 | D | March 1, 2015 |
| Qatar | SCQ-01 | D | April 1, 2015 |
| Russian Federation | SCQ-01 | D | April 1, 2015 |
| Saudi Arabia | SCQ-01 | D | May 4, 2015 |
| Serbia | SCQ-01 | D | May 1, 2015 |
| Singapore | SCQ-01 | D | October 1, 2014 |
| Slovak Republic | SCQ-01 | D | May 1, 2015 |
| Slovenia | SCQ-01 | D | This school year |
| South Africa | SCQ-01 | D | October 1, 2014 |
| Spain | SCQ-01 | D | March 1, 2015 |
| Sweden | SCQ-01 | D | March 1, 2015 |
| Turkey | SCQ-01 | D | March 2, 2015 |
| UAE, Abu Dhabi | SCQ-01 | D | February 1, 2015 |
| UAE, Dubai | SCQ-01 | D | February 1, 2015 |
| United Arab Emirates | SCQ-01 | D | February 1, 2015 |
| United States | SCQ-01 | D | March 1, 2015 |
| USA, Florida | SCQ-01 | D | March 1, 2015 |

SCQ-02

Question:

What is the total enrollment of <fourth grade> students in your school as of <first day of month TIMSS testing begins, 2015>?

Variable Name(s): ACBG02

| Country | Item ID | Code | Documentation |
|-----------------------|---------|------|--|
| ARG, Buenos Aires | SCQ-02 | D | October 1, 2014 |
| Australia | SCQ-02 | D | October 1, 2014 |
| Bahrain | SCQ-02 | D | March 1, 2015 |
| Belgium, Flemish | SCQ-02 | D | On the day that the TIMSS test is administered |
| Bulgaria | SCQ-02 | D | March 1, 2015 |
| CAN, Ontario | SCQ-02 | D | April 1, 2015 |
| CAN, Quebec | SCQ-02 | D | April 1, 2015 |
| Canada | SCQ-02 | D | April 1, 2015 |
| Chile | SCQ-02 | D | November 1, 2014 |
| Chinese Taipei | SCQ-02 | D | May 1, 2015 |
| Croatia | SCQ-02 | D | April 1, 2015 |
| Cyprus | SCQ-02 | D | March 1, 2015 |
| Czech Republic | SCQ-02 | D | May 1, 2015 |
| Denmark | SCQ-02 | D | March 1, 2015 |
| England | SCQ-02 | D | March 1, 2015 |
| Finland | SCQ-02 | D | March 1, 2015 |
| France | SCQ-02 | D | April 1, 2015 |
| Georgia | SCQ-02 | D | April 1, 2015 |
| Germany | SCQ-02 | D | May 1, 2015 |
| Hong Kong SAR | SCQ-02 | D | April 1, 2015 |
| Hungary | SCQ-02 | D | March 1, 2015 |
| Indonesia | SCQ-02 | D | April 1, 2015 |
| Iran, Islamic Rep. of | SCQ-02 | D | April 1, 2015 |
| Ireland | SCQ-02 | D | April 1, 2015 |
| Italy | SCQ-02 | D | March 1, 2015 |
| Japan | SCQ-02 | D | March 1, 2015 |
| Jordan | SCQ-02 | D | April 1, 2015 |
| Kazakhstan | SCQ-02 | D | April 1, 2015 |

| | | | |
|----------------------|--------|---|---|
| Korea, Rep. of | SCQ-02 | D | December 1, 2014 |
| Kuwait | SCQ-02 | D | April 1, 2015 |
| Lithuania | SCQ-02 | D | March 1, 2015 |
| Morocco | SCQ-02 | D | May 1, 2015 |
| Netherlands | SCQ-02 | D | The day that the TIMSS test is administered |
| New Zealand | SCQ-02 | D | October 1, 2014 |
| Northern Ireland | SCQ-02 | D | May 1, 2015 |
| Norway | SCQ-02 | D | March 1, 2015 |
| Norway (Grade 4) | SCQ-02 | D | March 1, 2015 |
| Oman | SCQ-02 | D | April 1, 2015 |
| Poland | SCQ-02 | D | April 1, 2015 |
| Portugal | SCQ-02 | D | March 1, 2015 |
| Qatar | SCQ-02 | D | April 1, 2015 |
| Russian Federation | SCQ-02 | D | April 1, 2015 |
| Saudi Arabia | SCQ-02 | D | May 4, 2015 |
| Serbia | SCQ-02 | D | May 1, 2015 |
| Singapore | SCQ-02 | D | October 1, 2014 |
| Slovak Republic | SCQ-02 | D | May 1, 2015 |
| Slovenia | SCQ-02 | D | Stem of the question changed: What is the total enrollment of grade 4 students in your school? |
| South Africa | SCQ-02 | D | October 1, 2014 |
| Spain | SCQ-02 | D | March 1, 2015 |
| Sweden | SCQ-02 | D | March 1, 2015 |
| Turkey | SCQ-02 | D | March 2, 2015 |
| UAE, Abu Dhabi | SCQ-02 | D | February 1, 2015 |
| UAE, Dubai | SCQ-02 | D | February 1, 2015 |
| United Arab Emirates | SCQ-02 | D | February 1, 2015 |
| United States | SCQ-02 | D | March 1, 2015 |
| USA, Florida | SCQ-02 | D | March 1, 2015 |

SCQ-03A-B

Question:

Approximately what percentage of students in your school have the following backgrounds?

A: Come from economically disadvantaged homes

B: Come from economically affluent homes

1 = 0 to 10%

2 = 11 to 25%

3 = 26 to 50%

4 = More than 50%

Variable Name(s): ACBG03A, ACBG03B

| Country | Item ID | Code | Documentation |
|------------|---------|------|---|
| Kazakhstan | SCQ-03A | D | Come from socially disadvantaged families |
| Kazakhstan | SCQ-03B | D | Come from socially affluent families |

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 |
|------------------|---------|------|---|
| Belgium, Flemish | SCQ-04 | D | Dutch or Flemish |
| CAN, Ontario | 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) |
| CAN, Quebec | 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) |
| 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) |
| 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 = 10% to 25% / Less than 10% |

| | | | |
|-----------|--------|---|---|
| Ireland | SCQ-04 | D | Stem of the question changed: Approximately what percentage of pupils in your school are native English or Irish speakers? |
| Lithuania | SCQ-04 | D | The language they are taught |
| Singapore | SCQ-04 | D | Gang punched to "25% or less" |

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 |
|-------------------|---------|------|---|
| ARG, Buenos Aires | 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 = 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 |
| 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): ACBG05B

| Country | Item ID | Code | Documentation |
|-------------------|---------|------|--|
| ARG, Buenos Aires | SCQ-05B | D | National options recoded for international comparability: 1 = Urban—densely populated 2 = Suburban—on fringe or outskirts of urban area 3 = Option not administered or data not available 4 = Option not administered or data not available 5 = Option not administered or data not available |
| 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" |
| 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-B

Question:

Does your school provide free meals for students?

A: Breakfast

B: Lunch

- 1 = Yes, for all students
- 2 = Yes, for some students
- 3 = No

Variable Name(s): ACBG06A, ACBG06B

| Country | Item ID | Code | Documentation |
|-----------------|-----------|------|---|
| Netherlands | SCQ-06A-B | X | Option not administered or data not available |
| New Zealand | SCQ-06A-B | D | Stem of the question changed: Does your school provide free meals for students (include meals provided by charitable organizations)? |
| Slovak Republic | SCQ-06B | D | Midmorning snack / Lunch |
| Sweden | SCQ-06B | D | Gang punched to "Yes, for all students" |

SCQ-07A-D

Question:

To what degree are the following health topics emphasized in your school?

- A: Washing hands
- B: Brushing teeth
- C: A healthy diet/nutrition
- D: Disease prevention

- 1 = Very high
- 2 = High
- 3 = Medium
- 4 = Low

Variable Name(s): ACBG07A, ACBG07B, ACBG07C, ACBG07D

| Country | Item ID | Code | Documentation |
|-------------|-----------|------|--|
| Bulgaria | SCQ-07A-D | D | <p>Stem of the question changed: How do you characterize the attention, which your school is taking to the topics, connected with healthy way of living?</p> <p>Nationally defined categories: 1 = Very serious 2 = Serious 3 = Normal 4 = Almost none</p> |
| New Zealand | SCQ-07A-D | X | Question not administered or data not available |

SCQ-08A

Question:

How many days per year is your school open for instruction?

Variable Name(s): ACBG08A

| Country | Item ID | Code | Documentation |
|-------------|---------|------|---|
| New Zealand | SCQ-08A | D | <p>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)</p> |
| Singapore | SCQ-08A | D | Gang punched to "184" |

SCQ-08B

Question:

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

Variable Name(s): ACBG08B

| Country | Item ID | Code | Documentation |
|-----------------------|---------|------|---|
| Chinese Taipei | SCQ-08B | D | Stem of the question changed: For the fourth-grade students in your school, what is the total instructional time of all-day classes in a typical day? (excluding lunch breaks, self-study session, after-school time etc.) |
| Iran, Islamic Rep. of | SCQ-08B | D | Stem of the question changed: What is the total instructional time, excluding breaks, time for lunch and prayer, in a typical day? |

SCQ-08C

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): ACBG08C

| Country | Item ID | Code | Documentation |
|------------------|---------|------|--|
| Belgium, Flemish | SCQ-08C | 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 = 4.5 days 5 = 4 days 6 = Other |
| Czech Republic | SCQ-08C | D | Gang punched to "5 days" |
| Netherlands | SCQ-08C | 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 = 4.5 days 5 = 4 days 6 = Other |
| Singapore | SCQ-08C | D | Gang punched to "5 days" |

SCQ-09B

Question:

Is someone available to assist them with their schoolwork?

1 = Yes

2 = No

Variable Name(s): ACBG09B

| Country | Item ID | Code | Documentation |
|--------------------|---------|------|---|
| Russian Federation | SCQ-09B | D | Stem of the question changed: If Yes, Is a teacher available to assist them with their schoolwork? |

SCQ-10A-B

Question:

As a general school policy, is student achievement used to assign <fourth grade> students to classes (e.g., streaming, tracking, setting)?

A: For mathematics classes

B: For science classes

1 = Yes

2 = No

Variable Name(s): ACBG10A, ACBG10B

| Country | Item ID | Code | Documentation |
|---------|-----------|------|---|
| Italy | SCQ-10A-B | X | Option not administered or data not available |

SCQ-12A

Question:

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

1 = Yes

2 = No

Variable Name(s): ACBG12A

| Country | Item ID | Code | Documentation |
|---------|---------|------|--|
| Croatia | SCQ-12A | D | Stem of the question changed: Does your school have a practicum for nature and society and biology that can be used by fourth grade students? |

SCQ-14BA-BE

Question:

How much is your school's capacity to provide instruction affected by a shortage or inadequacy of the following?

- A: Teachers with a specialization in mathematics
- B: Computer software/applications for mathematics instruction
- C: Library resources relevant to mathematics instruction
- D: Calculators for mathematics instruction
- E: Concrete objects or materials to help students understand quantities or procedures

1 = Not at all

2 = A little

3 = Some

4 = A lot

Variable Name(s): ACBG14BA, ACBG14BB, ACBG14BC, ACBG14BD, ACBG14BE

| Country | Item ID | Code | Documentation |
|------------|----------|------|--------------------------------|
| Kazakhstan | SCQ-14BA | D | Qualified mathematics teachers |

SCQ-14CA-CD

Question:

How much is your school's capacity to provide instruction affected by a shortage or inadequacy of the following?

- A: Teachers with a specialization in science
- B: Computer software/applications for science instruction
- C: Library resources relevant to science instruction
- D: Science equipment and materials for experiments

1 = Not at all

2 = A little

3 = Some

4 = A lot

Variable Name(s): ACBG14CA, ACBG14CB, ACBG14CC, ACBG14CD

| Country | Item ID | Code | Documentation |
|--------------|-------------|------|--|
| CAN, Ontario | SCQ-14CD | D | A science lab, science equipment and materials for experiments |
| CAN, Quebec | SCQ-14CD | D | A science lab, science equipment and materials for experiments |
| Canada | SCQ-14CD | D | A science lab, science equipment and materials for experiments |
| Kazakhstan | SCQ-14CA | D | Qualified science teachers |
| South Africa | SCQ-14CA-CD | X | Option not administered or data not available |

SCQ-15A-M

Question:

How would you characterize each of the following within your school?

- A: Teachers' understanding of the school's curricular goals
- B: Teachers' degree of success in implementing the school's curriculum
- C: Teachers' expectations for student achievement
- D: Teachers working together to improve student achievement
- E: Teachers' ability to inspire students
- F: Parental involvement in school activities
- G: Parental commitment to ensure that students are ready to learn
- H: Parental expectations for student achievement
- I: Parental support for student achievement
- J: Parental pressure for the school to maintain high academic standards
- K: Students' desire to do well in school
- L: Students' ability to reach school's academic goals
- M: Students' respect for classmates who excel in school

- 1 = Very high
- 2 = High
- 3 = Medium
- 4 = Low
- 5 = Very low

Variable Name(s): ACBG15A, ACBG15B, ACBG15C, ACBG15D, ACBG15E, ACBG15F, ACBG15G, ACBG15H, ACBG15I, ACBG15J, ACBG15K, ACBG15L, ACBG15M

| Country | Item ID | Code | Documentation |
|----------|---------|------|--|
| Bulgaria | SCQ-15A | D | Teachers' understanding of the school's developing strategy goals |
| Bulgaria | SCQ-15B | D | Teachers' degree of success in implementing the school's developing strategy |

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): ACBG17A, ACBG17B

| Country | Item ID | Code | Documentation |
|-------------|-----------|------|---|
| New Zealand | SCQ-17A-B | X | Question not administered or data not available |

SCQ-18A-K

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 some words
- F: Count up to 100 or higher
- G: Recognize written numbers from 1-10
- H: Recognize written numbers higher than 10
- I: Write numbers from 1-10
- J: Do simple addition
- K: Do simple subtraction

1 = Less than 25%

2 = 25–50%

3 = 51–75%

4 = More than 75%

Variable Name(s): ACBG18A, ACBG18B, ACBG18C, ACBG18D, ACBG18E, ACBG18F, ACBG18G, ACBG18H, ACBG18I, ACBG18J, ACBG18K

| Country | Item ID | Code | Documentation |
|------------------|-----------|------|--|
| Ireland | SCQ-18A-K | 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-18A | D | Recognize most of the kana letters |
| Japan | SCQ-18A-K | D | Stem of the question changed: About how many of the students in your school can do the following when entering primary/elementary school? |
| Japan | SCQ-18D | D | Write kana letters |
| Northern Ireland | SCQ-18A-K | X | Question not administered or data not available |
| Serbia | SCQ-18A | D | Recognize most of the letters of the Cyrillic alphabet |
| Slovenia | SCQ-18A-K | D | Stem of the question changed: About how many of the students in your school can do the following when they begin the school? |

SCQ-21

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): ACBG21

| Country | Item ID | Code | Documentation |
|-------------------|---------|------|---|
| ARG, Buenos Aires | SCQ-21 | D | Nationally defined options: 1 = Did not complete Bachelor's 2 = Bachelor's 3 = Master's 4 = Doctorate |
| Australia | SCQ-21 | 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-21 | D | Nationally defined options: 1 = Did not complete Bachelor's 2 = Bachelor's 3 = Master's 4 = PhD |
| Belgium, Flemish | SCQ-21 | D | National options recoded for international comparability: 1 = Did not complete professional or academic bachelor (higher education with 1 cycle or candidate-bachelor within university) 2 = Professional bachelor, a degree of higher education of 1 cycle (e.g., teacher, A1, graduate, ...) / Academic bachelor 3 = Master or licentiate (higher education with 2 cycles or university) 4 = Doctor (PhD) at university |
| Bulgaria | SCQ-21 | D | Nationally defined options: 1 = Higher education (Professional Bachelor) or lower 2 = Higher education (Bachelor) 3 = Higher education (Master) 4 = Higher education (Doc) |
| CAN, Ontario | SCQ-21 | D | Nationally defined options: 1 = Did not complete University-Bachelor's degree 2 = University-Bachelor's degree 3 = University-Master's degree 4 = University-Doctoral degree |
| CAN, Quebec | SCQ-21 | D | Nationally defined options: 1 = Did not complete University-Bachelor's degree 2 = University-Bachelor's degree 3 = University-Master's degree 4 = University-Doctoral degree |
| Canada | SCQ-21 | D | Nationally defined options: 1 = Did not complete University-Bachelor's degree 2 = University-Bachelor's degree 3 = University-Master's degree 4 = University-Doctoral degree |

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|----------------|--------|---|---|
| Chile | SCQ-21 | D | Nationally defined options: 1 = Did not complete Bachelor's 2 = Bachelor's 3 = Master's or equivalent 4 = Doctor or equivalent |
| Chinese Taipei | SCQ-21 | 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-21 | D | Nationally defined options: 1 = Non-university higher education (two or three years, university undergraduate education, Bachelor's degree in period of 3 years) 2 = University education (graduate and postgraduate education, Bachelor's degree in period of 4 years) 3 = Master's of science 4 = Doctor of science |
| Cyprus | SCQ-21 | D | Nationally defined options: 1 = Non university diploma (e.g., Pedagogical Academy) 2 = Bachelor's Degree 3 = Master's Degree 4 = Doctorate |
| Czech Republic | SCQ-21 | D | Nationally defined options: 1 = Did not complete bachelor level 2 = Bachelor level 3 = Master level 4 = Doctoral level |
| Denmark | SCQ-21 | D | Nationally defined options: 1 = Did not complete bachelor level 2 = Bachelor level 3 = Education of 5 years or longer 4 = Doctor or equivalent |
| England | SCQ-21 | D | Nationally defined options: 1 = Did not complete Bachelor's or equivalent teaching qualification 2 = Bachelor's or equivalent teaching qualification 3 = Master's degree, PGCE or equivalent 4 = Doctorate of equivalent higher degree |
| Finland | SCQ-21 | D | Nationally defined options: 1 = No lower degree at the polytechnic or university, 3 years 2 = Lower degree at the polytechnic or university, 3 years 3 = Higher degree at the polytechnic or university, 5 years 4 = Post-graduate degree at the university |
| France | SCQ-21 | D | Nationally defined options: 1 = Did not complete a degree or equivalent 2 = Degree or equivalent 3 = Master's or equivalent 4 = PhD or equivalent |
| Georgia | SCQ-21 | D | Nationally defined options: 1 = Did not complete the first stage of higher education (Baccalaureate) 2 = First stage of higher education (Baccalaureate) 3 = Second stage of higher education (Master's) 4 = Third stage of higher education (Doctorate) |

Germany

SCQ-21

D

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

National options recoded for international comparability:

1 = [A = 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 & B is any of (No vocational degree, None of the listed degrees, Degree for vocational preparation, Degree from apprenticeship (school or apprenticeship) or civil servant training (intermediate level), Degree from vocational school or from a school in the health sector (1 year), Degree from a university of applied arts of the former GDR, Degree from a school of administration, Omitted or invalid)] / [A = A-level/general secondary certification & B is any of (No vocational degree, None of the listed degrees, Degree for vocational preparation, Degree from apprenticeship (school or apprenticeship) or civil servant training (intermediate level), Degree from vocational school or from a school in the health sector (1 year), Degree from a university of applied arts of the former GDR, Degree from a school of administration, Omitted or invalid)] / [A = Omitted or invalid & B is any of (No vocational degree, None of the listed degrees, Degree for vocational preparation, Degree from apprenticeship (school or apprenticeship) or civil servant training (intermediate level), Degree from vocational school or from a school in the health sector (1 year), Degree from a university of applied arts of the former GDR, Degree from a school of administration, Omitted or invalid)]

2 = [A = 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 & B is any of (Bachelor's (university of applied science or university), Other degree from a University of applied science (also engineering))] / [A = A-level/general secondary certification & B is any of (Bachelor's (university of applied science or university), Other degree from a University of applied science (also engineering))] / [A = College degree (bachelors), degree from a business academy or diploma; technical college degree & B is any of (No vocational degree, None of the listed degrees, Degree for vocational preparation, Degree from apprenticeship (school or apprenticeship) or civil servant training (intermediate level), Degree from vocational school or from a school in the health sector (1 year), Degree from a university of applied arts of the former GDR, Degree from a school of administration, Bachelor's (university of applied science or university), Other degree from a University of applied science (also engineering), Omitted or invalid)] / [A = Omitted or invalid & B is any of (Bachelor's (university of applied science or university), Other degree from a University of applied science (also engineering))]

3 = [A = Technical college certification/vocational school degree (teaching, apprenticeship)/vocational specialty school degree/degree from professional school, master's or technical school, or from a health occupation school & B is any of (Other degree obtained at a university (e.g., Diplom, Magister, First State examination), Second state examination, Master degree (university of applied science or university))] / [A = A-level/general secondary certification & B is any of (Other degree obtained at a university (e.g., Diplom, Magister, First State examination), Second state examination, Master's (university of applied science or university))] / [A = College degree (bachelors), degree from a business academy or diploma; technical college degree & B is any of (Other degree obtained at a university (e.g., Diplom, Magister, First State examination), Second state examination, Master's (university of applied science or university))] / [A = College degree (masters, magister, diploma, state examination) & B is any of (No vocational degree, Other degree obtained at a university (e.g., Diplom, Magister, First State examination), Second state examination, None of the listed degrees, Degree for vocational preparation, Degree from apprenticeship (school or apprenticeship) or civil servant training (intermediate level), Degree from vocational school or from a school in the health sector (1 year), Degree from a university of applied arts of the former GDR, Degree from a school of administration, Bachelor's (university of applied science or university), Master's (university of applied science or university), Other degree from a University of applied science (also engineering), Omitted or invalid)] / [A = Omitted or invalid & B is any of (Other degree obtained at a university (e.g., Diplom, Magister, First State examination), Second state examination, Master's (university of applied science or university))]

4 = [A = 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 & B is any of (Ph.D.)] / [A = A-level/general secondary certification & B is any of (Ph.D.)] / [A = College degree (bachelors), degree from a business academy or diploma; technical college degree & B is any of (Ph.D.)] / [A = College degree (masters, magister, diploma, state examination) & B is any of (Ph.D.)] / [A = Higher than a college degree (masters, magister, diploma, state examination), such as a Ph.D. & B is any of (No vocational degree, Other degree obtained at a university (e.g., Diplom, Magister, First State examination), Second state examination, Ph.D., None of the listed degrees, Degree for vocational preparation, Degree from apprenticeship (school or apprenticeship) or civil servant training (intermediate level), Degree from vocational school or from a school in the health sector (1 year), Degree from a university of applied arts of the former GDR, Degree from a school of administration, Bachelor's (university of applied science or university), Master's (university of applied science or university), Other degree from a University of applied science (also engineering), Omitted or invalid)] / [A = Omitted or invalid & B is any of (Ph.D.)]

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|---------------|--------|---|--|
| Hong Kong SAR | SCQ-21 | D | Nationally defined options: 1 = Did not complete Bachelor's degree 2 = Bachelor's degree 3 = Master's degree 4 = Doctoral degree |
| Hungary | SCQ-21 | 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) |
| Indonesia | SCQ-21 | D | Nationally defined options: 1 = Did not complete Bachelor's degree 2 = Bachelor degree 3 = Master degree 4 = Doctoral degree |

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| Iran, Islamic Rep. of | SCQ-21 | 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-21 | 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-21 | D | Nationally defined options: 1 = Upper secondary education or short-cycle tertiary education 2 = Tertiary education level II certificate 3 = Master's or equivalent level 4 = Doctor or equivalent level |
| Japan | SCQ-21 | D | Nationally defined options: 1 = Did not complete university or college 2 = University or college 3 = Master's programs of graduate school 4 = Doctoral programs of graduate school |
| Jordan | SCQ-21 | 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-21 | D | Nationally defined options: 1 = Did not complete higher education 2 = Bachelor degree 3 = Master degree 4 = Doctor degree |
| Korea, Rep. of | SCQ-21 | D | Nationally defined options: 1 = Did not complete 4 year university 2 = 4 year university 3 = Master's program 4 = Doctoral program |
| Kuwait | SCQ-21 | 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-21 | D | Nationally defined options: 1 = Did not acquire Bachelor's (did not finish university) or vocational bachelor (did not finish college) degree 2 = Bachelor's (finish university) or vocational bachelor (finish college) degree 3 = Master's or higher degree 4 = Doctor's or higher degree |
| Morocco | SCQ-21 | D | Nationally defined options: 1 = Did not complete Bachelor's 2 = Bachelor's or equivalent 3 = Master degree or equivalent 4 = Doctorate or equivalent |

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|--------------------|--------|---|---|
| Netherlands | SCQ-21 | D | National options recoded for international comparability: 1 = Upper secondary education / Short cycle tertiary education of 2-3 years 2 = Higher vocational education or Bachelor's 3 = Master's 4 = Doctor |
| New Zealand | SCQ-21 | 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 |
| Northern Ireland | SCQ-21 | 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-21 | 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 |
| Norway (Grade 4) | SCQ-21 | 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 |
| Oman | SCQ-21 | 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 |
| Poland | SCQ-21 | D | Nationally defined options: 1 = Did not complete Bachelor's or Engineer's study 2 = Bachelor's or Engineer's study 3 = Master's or Physician's study 4 = Doctorate |
| Portugal | SCQ-21 | D | Nationally defined options: 1 = Did not complete license degree 2 = License degree 3 = Master's degree 4 = Doctorate degree |
| Qatar | SCQ-21 | D | Nationally defined options: 1 = Did not complete university or equivalent level 2 = University or equivalent level 3 = Master's or equivalent level 4 = Doctor or equivalent level |
| Russian Federation | SCQ-21 | 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 |

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| Saudi Arabia | SCQ-21 | D | Nationally defined categories: 1 = Did not complete Bachelor's 2 = Bachelor's or equivalent level 3 = Master's or equivalent level 4 = Doctor or equivalent level |
| Serbia | SCQ-21 | D | Nationally defined options: 1 = Not completed bachelor level 2 = Bachelor's studies 3 = Master's, specialist, or magisterium studies 4 = PhD studies or Doctorate |
| Singapore | SCQ-21 | 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-21 | D | Nationally defined options: 1 = Did not complete Bachelor's level 2 = Bachelor's level (title Bc.) 3 = Master's level (title Mgr., Ing., etc.) 4 = Doctor level (title PhD.) |
| Slovenia | SCQ-21 | D | Nationally defined options: 1 = Did not complete university study of the first Bologna degree 2 = University study of the first Bologna degree 3 = University 4 year study (old programs) or university study of the second Bologna degree or master of science 4 = Doctorate of science |
| South Africa | SCQ-21 | D | Nationally defined options: 1 = Did not complete a Bachelor's degree 2 = Bachelor's degree 3 = Master's degree 4 = Doctoral degree |
| Spain | SCQ-21 | D | Nationally defined options: 1 = I did not complete a university degree ("licenciatura" or "grado universitario") 2 = University degree ("licenciatura" or "grado universitario") 3 = University Master 4 = PhD |
| Sweden | SCQ-21 | 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-21 | D | Nationally defined options: 1 = Undergraduate education 2 = Bachelor of Science 3 = Master of Science 4 = Doctorate |
| UAE, Abu Dhabi | SCQ-21 | D | Nationally defined options: 1 = Did not complete Bachelor's or equivalent 2 = Bachelor's or equivalent 3 = Master's or equivalent (e.g., Master's of arts degree, M.Sc) 4 = Doctor or equivalent |

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|----------------------|--------|---|--|
| UAE, Dubai | SCQ-21 | D | Nationally defined options: 1 = Did not complete Bachelor's or equivalent 2 = Bachelor's or equivalent 3 = Master's or equivalent (e.g., Master's of arts degree, M.Sc) 4 = Doctor or equivalent |
| United Arab Emirates | SCQ-21 | D | Nationally defined options: 1 = Did not complete Bachelor's or equivalent 2 = Bachelor's or equivalent 3 = Master's or equivalent (e.g., Master's of arts degree, M.Sc) 4 = Doctor or equivalent |
| United States | SCQ-21 | 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 (PhD or EdD) |
| USA, Florida | SCQ-21 | 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 (PhD or EdD) |

SCQ-22A-B

Question:

Do you hold the following degrees in educational leadership?

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

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

1 = Yes

2 = No

Variable Name(s): ACBG22A, ACBG22B

| Country | Item ID | Code | Documentation |
|-------------------|-----------|------|--|
| ARG, Buenos Aires | SCQ-22A | D | Master's |
| ARG, Buenos Aires | SCQ-22B | D | Doctorate |
| Australia | SCQ-22A | D | Master's degree |
| Australia | SCQ-22B | D | PhD or Doctorate |
| Bahrain | SCQ-22A | D | Master's |
| Bahrain | SCQ-22B | D | PhD |
| Belgium, Flemish | SCQ-22A-B | X | Question not administered or data not available |
| Bulgaria | SCQ-22A | D | Master degree |
| Bulgaria | SCQ-22B | D | Doctor degree |
| CAN, Ontario | SCQ-22A | D | University, Master's degree or equivalent level |
| CAN, Ontario | SCQ-22B | D | University, Doctorate degree or equivalent level |
| CAN, Quebec | SCQ-22A | D | University, Master's degree or equivalent level |
| CAN, Quebec | SCQ-22B | D | University, Doctorate degree or equivalent level |

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|-----------------------|-----------|---|---|
| Canada | SCQ-22A | D | University, Master's degree or equivalent level |
| Canada | SCQ-22B | D | University, Doctorate degree or equivalent level |
| Chile | SCQ-22A | D | Master's or equivalent |
| Chile | SCQ-22B | D | Doctor or equivalent |
| Chinese Taipei | SCQ-22A | D | Master's degree |
| Chinese Taipei | SCQ-22B | D | Doctoral degree |
| Croatia | SCQ-22A | D | Master of Science |
| Croatia | SCQ-22B | D | Doctor of Science |
| Cyprus | SCQ-22A | D | Master's degree |
| Cyprus | SCQ-22B | D | Doctorate |
| Czech Republic | SCQ-22A | D | Master level |
| Czech Republic | SCQ-22B | D | Doctoral level |
| Denmark | SCQ-22A | D | Education of 5 years or longer |
| Denmark | SCQ-22B | D | Doctor or equivalent |
| England | SCQ-22A | D | Master's degree or equivalent |
| England | SCQ-22B | D | Doctorate or equivalent higher degree |
| Finland | SCQ-22A | D | Higher degree at the polytechnic or university, 5 years |
| Finland | SCQ-22B | D | Post-graduate degree at the university |
| France | SCQ-22A-B | X | Question not administered or data not available |
| Georgia | SCQ-22A | D | Master's degree |
| Georgia | SCQ-22B | D | Doctorate degree |
| Germany | SCQ-22A | D | College degree (masters, magister, diploma, state examination) |
| Germany | SCQ-22B | D | Higher than a college degree (masters, magister, diploma, state examination), such as a PhD |
| Hong Kong SAR | SCQ-22A | D | Master's degree |
| Hong Kong SAR | SCQ-22B | D | Doctoral degree |
| Hungary | SCQ-22A | D | University or university MA level |
| Hungary | SCQ-22B | D | Higher than university or university MA level (e.g., PhD) |
| Indonesia | SCQ-22A | D | Master degree |
| Indonesia | SCQ-22B | D | Doctoral degree |
| Iran, Islamic Rep. of | SCQ-22A | D | Master's or equivalent level |
| Iran, Islamic Rep. of | SCQ-22B | D | Doctor or equivalent level |
| Ireland | SCQ-22A | D | Master's or equivalent |
| Ireland | SCQ-22B | D | Doctorate or equivalent |
| Italy | SCQ-22A | D | Master's or equivalent level |

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| Italy | SCQ-22B | D | Doctor or equivalent level |
| Japan | SCQ-22A | D | Master's degree |
| Japan | SCQ-22B | D | Doctor's degree |
| Jordan | SCQ-22A | D | Master's or equivalent level |
| Jordan | SCQ-22B | D | Doctor or equivalent level |
| Kazakhstan | SCQ-22A | D | Master degree |
| Kazakhstan | SCQ-22B | D | Doctor degree |
| Korea, Rep. of | SCQ-22A | D | Master's degree |
| Korea, Rep. of | SCQ-22B | D | Doctoral degree |
| Kuwait | SCQ-22A | D | Master's or equivalent level |
| Kuwait | SCQ-22B | D | Doctor or equivalent level |
| Lithuania | SCQ-22A | D | Master's or higher degree |
| Lithuania | SCQ-22B | D | Doctor or higher degree |
| Morocco | SCQ-22A | D | Master degree or equivalent |
| Morocco | SCQ-22B | D | Doctorate or equivalent |
| Netherlands | SCQ-22A-B | X | Question not administered or data not available |
| New Zealand | SCQ-22A-B | X | Question not administered or data not available |
| Northern Ireland | SCQ-22A | D | Master's degree or postgraduate certificate or diploma |
| Northern Ireland | SCQ-22B | D | Doctorate |
| Norway | SCQ-22A | D | Master's degree or equivalent |
| Norway | SCQ-22B | D | Doctor's degree or equivalent |
| Norway (Grade 4) | SCQ-22A | D | Master's degree or equivalent |
| Norway (Grade 4) | SCQ-22B | D | Doctor's degree or equivalent |
| Oman | SCQ-22A | D | Master's or equivalent level |
| Oman | SCQ-22B | D | Doctor or equivalent level |
| Poland | SCQ-22A | D | Master's |
| Poland | SCQ-22B | D | Doctorate |
| Portugal | SCQ-22A | D | Master's degree |
| Portugal | SCQ-22B | D | Doctorate degree |
| Qatar | SCQ-22A | D | Master's or equivalent level |
| Qatar | SCQ-22B | D | Doctor or equivalent level |
| Russian Federation | SCQ-22A | D | Master's or equivalent level |
| Russian Federation | SCQ-22B | D | Candidate or doctor or equivalent level |
| Saudi Arabia | SCQ-22A | D | Master's or equivalent level |
| Saudi Arabia | SCQ-22B | D | Doctor or equivalent level |

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|----------------------|---------|---|--|
| Serbia | SCQ-22A | D | Master's, specialization, or magisterium degree |
| Serbia | SCQ-22B | D | PhD degree |
| Singapore | SCQ-22A | D | Master's degree |
| Singapore | SCQ-22B | D | Doctoral (e.g., PhD) degree |
| Slovak Republic | SCQ-22A | D | Master's level (title Mgr., Ing., etc.) |
| Slovak Republic | SCQ-22B | D | Doctor level (PhD.) |
| Slovenia | SCQ-22A | D | University 4 year study (old programs) or university study of the second Bologna degree or Master of Science |
| Slovenia | SCQ-22B | D | Doctorate |
| South Africa | SCQ-22A | D | Master's degree |
| South Africa | SCQ-22B | D | Doctorate |
| Spain | SCQ-22A | D | Master's degree |
| Spain | SCQ-22B | D | PhD |
| Sweden | SCQ-22A | D | University or university college degree (e.g., Master's degree) |
| Sweden | SCQ-22B | D | Postgraduate education (e.g., licentiate or PhD degree) |
| Turkey | SCQ-22A | D | Master of Science |
| Turkey | SCQ-22B | D | Doctorate |
| UAE, Abu Dhabi | SCQ-22A | D | Master's or equivalent (e.g., Master's of Arts degree, M.Sc) |
| UAE, Abu Dhabi | SCQ-22B | D | Doctor's or equivalent |
| UAE, Dubai | SCQ-22A | D | Master's or equivalent (e.g., Master's of Arts degree, M.Sc) |
| UAE, Dubai | SCQ-22B | D | Doctor's or equivalent |
| United Arab Emirates | SCQ-22A | D | Master's or equivalent (e.g., Master's of Arts degree, M.Sc) |
| United Arab Emirates | SCQ-22B | D | Doctor's or equivalent |
| United States | SCQ-22A | D | Master's degree or professional degree (MD, DDS, lawyer, minister) |
| United States | SCQ-22B | D | Doctorate (PhD, or EdD) |
| USA, Florida | SCQ-22A | D | Master's degree or professional degree (MD, DDS, lawyer, minister) |
| USA, Florida | SCQ-22B | D | Doctorate (PhD, or EdD) |

SECTION 5:
EIGHTH GRADE –
STUDENT
QUESTIONNAIRE

TIMSS 2015 USER GUIDE FOR THE
INTERNATIONAL DATABASE



IEA

TIMSS & PIRLS
International Study Center
Lynch School of Education, Boston College

SQIS-02A-B / SQSS-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 = 1997

2 = 1998

3 = 1999

4 = 2000

5 = 2001

6 = 2002

7 = 2003

8 = 2004

9 = 2005

10 = Other

Variable Name(s): BSBG02A, BSBG02B

| Country | Item ID | Code | Documentation |
|-----------------------|------------|------|---|
| Chinese Taipei | SQIS-02B | D | Nationally defined options: 1 = The 86th year of the Republic Era (1997) 2 = The 87th year of the Republic Era (1998) 3 = The 88th year of the Republic Era (1999) 4 = The 89th year of the Republic Era (2000) 5 = The 90th year of the Republic Era (2001) 6 = The 91st year of the Republic Era (2002) 7 = The 92nd year of the Republic Era (2003) 8 = The 93rd year of the Republic Era (2004) 9 = The 94th year of the Republic Era (2005) 10 = Other |
| Iran, Islamic Rep. of | SQIS-02A | D | Corresponding months of the Persian calendar used |
| Iran, Islamic Rep. of | SQIS-02B | D | Corresponding years of the Persian calendar used |
| Korea, Rep. of | SQIS-02A-B | D | When were you born? (in solar calendar) |

SQIS-03 / SQSS-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 |
|---------|---------|------|---|
| Ireland | SQIS-03 | X | For ITLANG = 41 ("Irish"); Question not administered or data not available |

SQIS-06A-K / SQSS-06A-K

Question:

Do you have any of these things at your home?

- A: A computer or tablet of your own
B: A computer or tablet that is shared with other people at home
C: Study desk/table for your use
D: Your own room
E: Internet connection
F: Your own mobile phone
G: A gaming system (e.g., PlayStation®, Wii®, Xbox®)
H: <country-specific indicator of wealth>
I: <country-specific indicator of wealth>
J: <country-specific indicator of wealth>
K: <country-specific indicator of wealth>

- 1 = Yes
2 = No

Variable Name(s): BSBG06A, BSBG06B, BSBG06C, BSBG06D, BSBG06E, BSBG06F, BSBG06G, BSBG06H, BSBG06I, BSBG06J, BSBG06K

| Country | Item ID | Code | Documentation |
|-------------------|------------|------|---|
| ARG, Buenos Aires | SQIS-06H | D | Music player (iPod, mp3) |
| ARG, Buenos Aires | SQIS-06I | D | Your own bathroom |
| ARG, Buenos Aires | SQIS-06J | D | Air conditioner |
| ARG, Buenos Aires | SQIS-06K | D | Television in your room |
| Australia | SQIS-06H | D | Musical instruments |
| Australia | SQIS-06I | D | A quiet place to go if you need to think or concentrate |
| Australia | SQIS-06J-K | X | Option not administered or data not available |
| Bahrain | SQIS-06H | D | Swimming pool |
| Bahrain | SQIS-06I | D | Gym |
| Bahrain | SQIS-06J | D | Pets |
| Bahrain | SQIS-06K | D | Car |

| | | | |
|----------------|----------|---|---|
| Botswana | SQIS-06H | D | Electricity |
| Botswana | SQIS-06I | D | Running water |
| Botswana | SQIS-06J | D | Television |
| Botswana | SQIS-06K | X | Option not administered or data not available |
| CAN, Ontario | SQIS-06H | D | An iPod/Mp3 player |
| CAN, Ontario | SQIS-06I | D | A DVD/Blu-ray |
| CAN, Ontario | SQIS-06J | D | Works of art (e.g., paintings) |
| CAN, Ontario | SQIS-06K | X | Option not administered or data not available |
| CAN, Quebec | SQIS-06H | D | An iPod/Mp3 player |
| CAN, Quebec | SQIS-06I | D | A DVD/Blu-ray |
| CAN, Quebec | SQIS-06J | D | Works of art (e.g., paintings) |
| CAN, Quebec | SQIS-06K | X | Option not administered or data not available |
| Canada | SQIS-06H | D | An iPod/Mp3 player |
| Canada | SQIS-06I | D | A DVD/Blu-ray |
| Canada | SQIS-06J | D | Works of art (e.g., paintings) |
| Canada | SQIS-06K | X | Option not administered or data not available |
| Chile | SQIS-06H | D | Shower with hot water |
| Chile | SQIS-06I | D | Dishwasher |
| Chile | SQIS-06J | D | Cable TV |
| Chile | SQIS-06K | D | Car (regular car, jeep, pick-up truck, van) |
| Chinese Taipei | SQIS-06H | D | At least two bedrooms are equipped with bathrooms |
| Chinese Taipei | SQIS-06I | D | My parents have their own car for private use (not for business, or not for public affairs) |
| Chinese Taipei | SQIS-06J | D | Piano or violin |
| Chinese Taipei | SQIS-06K | D | Family servant |
| Egypt | SQIS-06H | D | A car or more |
| Egypt | SQIS-06I | D | One or more air conditioners |
| Egypt | SQIS-06J | D | One or more satellite TV receivers |
| Egypt | SQIS-06K | D | A private garden |
| England | SQIS-06H | D | A bicycle |
| England | SQIS-06I | D | E-book readers (e.g., Kindle, Kobo, Bookeen) |
| England | SQIS-06J | D | Musical instruments (e.g., guitar, piano) |
| England | SQIS-06K | D | A play room |
| Georgia | SQSS-06H | D | Family private car |
| Georgia | SQSS-06I | D | Dishwashing machine |

| | | | |
|-----------------------|--------------|---|---|
| Georgia | SQSS-06J | D | Summer house |
| Georgia | SQSS-06K | D | Smart TV |
| Hong Kong SAR | SQIS-06H | D | Car |
| Hong Kong SAR | SQIS-06I | D | Air-conditioner |
| Hong Kong SAR | SQIS-06J | D | Domestic helper |
| Hong Kong SAR | SQIS-06K | D | Room for domestic helper |
| Hungary | SQSS-06H | D | Dishwasher |
| Hungary | SQSS-06I | D | Your own iPod, MP3/MP4 player (not one that is built in a phone) |
| Hungary | SQSS-06J | D | Home cinema system |
| Hungary | SQSS-06K | D | Digital camera (not part of a phone) |
| Iran, Islamic Rep. of | SQIS-06H | D | LED T.V. |
| Iran, Islamic Rep. of | SQIS-06I | D | Foreign car |
| Iran, Islamic Rep. of | SQIS-06J | D | Dishwasher |
| Iran, Islamic Rep. of | SQIS-06K | D | Swimming pool |
| Ireland | SQIS-06H | D | Your own smartphone (e.g., iPhone) |
| Ireland | SQIS-06I | D | Premium ("pay extra") TV channels, such as BT Sport, Sky Movies |
| Ireland | SQIS-06J | D | Two or more cars |
| Ireland | SQIS-06K | D | A TV in your bedroom |
| Israel | SQIS-06D,H-K | X | Option not administered or data not available |
| Italy | SQIS-06H | D | Alarm system |
| Italy | SQIS-06I | D | Air conditioning |
| Italy | SQIS-06J | D | A dishwasher |
| Italy | SQIS-06K | D | A jacuzzi |
| Japan | SQIS-06H | D | Calculator |
| Japan | SQIS-06I | D | Book or puzzle related to mathematics (except textbook, dictionary, workbook) |
| Japan | SQIS-06J | D | Astronomical telescope |
| Japan | SQIS-06K | D | Pictorial book of plants |
| Jordan | SQIS-06H | D | Digital camera |
| Jordan | SQIS-06I | D | Automatic washing machine |
| Jordan | SQIS-06J | D | Central heating |
| Jordan | SQIS-06K | D | Air conditioning |
| Kazakhstan | SQSS-06H | D | Home cinema |
| Kazakhstan | SQSS-06I | D | Digital photo or video camera |
| Kazakhstan | SQSS-06J | D | Dishwasher |

| | | | |
|------------------|------------|---|---|
| Kazakhstan | SQSS-06K | D | A car |
| Korea, Rep. of | SQIS-06H | D | Digital TV (e.g., wall-mounted TV, flat panel TV) |
| Korea, Rep. of | SQIS-06I | D | Home theater (e.g., audio equipment) |
| Korea, Rep. of | SQIS-06J | D | Dehumidifier |
| Korea, Rep. of | SQIS-06K | D | Air conditioner |
| Kuwait | SQIS-06H-K | X | Option not administered or data not available |
| Lebanon | SQSS-06H | D | More than one bathroom in the house |
| Lebanon | SQSS-06I | D | A home cinema |
| Lebanon | SQSS-06J-K | X | Option not administered or data not available |
| Lithuania | SQSS-06H | D | Encyclopedias, dictionaries |
| Lithuania | SQSS-06I | D | E-book reader |
| Lithuania | SQSS-06J | D | Video camera |
| Lithuania | SQSS-06K | D | Digital or SLR camera |
| Malaysia | SQIS-06H-K | X | Option not administered or data not available |
| Malta | SQSS-06H | D | Flat screen TV/Plasma TV/LCD TV/Smart TV |
| Malta | SQSS-06I | D | Cable TV/Pay TV/Satellite TV |
| Malta | SQSS-06J | D | Works of art (e.g., paintings) |
| Malta | SQSS-06K | D | Photovoltaic Panels |
| Morocco | SQSS-06H | D | Bicycle |
| Morocco | SQSS-06I | D | Car with a driver |
| Morocco | SQSS-06J | D | Expensive watch |
| Morocco | SQSS-06K | D | International brand clothes |
| New Zealand | SQIS-06H | D | Musical instruments (e.g., piano, violin, guitar) |
| New Zealand | SQIS-06I | D | Clothes dryer |
| New Zealand | SQIS-06J | D | Dishwasher |
| New Zealand | SQIS-06K | D | Two or more bathrooms |
| Norway | SQIS-06H | D | Flat screen TV |
| Norway | SQIS-06I | D | More than one PC |
| Norway | SQIS-06J | D | Piano or Violin |
| Norway | SQIS-06K | D | Cottage and/or big boat |
| Norway (Grade 8) | SQIS-06H | D | Flat screen TV |
| Norway (Grade 8) | SQIS-06I | D | More than one PC |
| Norway (Grade 8) | SQIS-06J | D | Piano or Violin |
| Norway (Grade 8) | SQIS-06K | D | Cottage and/or big boat |
| Oman | SQIS-06H | D | TV |

| | | | |
|--------------------|------------|---|---|
| Oman | SQIS-06I | D | Musical Instruments |
| Oman | SQIS-06J | D | iPod |
| Oman | SQIS-06K | D | CD Player |
| Qatar | SQIS-06H | D | Private house maid |
| Qatar | SQIS-06I | D | Private car driver |
| Qatar | SQIS-06J-K | X | Option not administered or data not available |
| Russian Federation | SQSS-06H | D | Musical instruments (e.g., guitar, piano) |
| Russian Federation | SQSS-06I | D | A car (one or more) |
| Russian Federation | SQSS-06J | D | A flat (or house) with 4 or more rooms |
| Russian Federation | SQSS-06K | D | Dishwasher |
| Saudi Arabia | SQIS-06H | D | Private garden |
| Saudi Arabia | SQIS-06I | D | Swimming pool |
| Saudi Arabia | SQIS-06J | D | 3D smart TV |
| Saudi Arabia | SQIS-06K | D | Four-wheeled motorcycle |
| Singapore | SQIS-06H | D | Car |
| Singapore | SQIS-06I | D | Domestic help (e.g., maid) |
| Singapore | SQIS-06J | D | Air conditioner |
| Singapore | SQIS-06K | D | Your own digital media player (e.g., MP3/DVD player, iPod) |
| Slovenia | SQSS-06H | D | Advanced sports equipment (for skiing, tennis, mountain biking, etc.) |
| Slovenia | SQSS-06I | D | Artwork, musical instruments, encyclopedias (e.g., pictures, statues, piano, etc.) |
| Slovenia | SQSS-06J | D | Family trips or mountain hiking, family outings in the restaurant for lunch or dinner, or do sport activities together (e.g., skiing, tennis, golf) |
| Slovenia | SQSS-06K | D | Every year we take a family vacation for at least 1 week outside our hometown |
| South Africa | SQIS-06H | D | Dictionary |
| South Africa | SQIS-06I | D | Electricity |
| South Africa | SQIS-06J | D | Running tap water |
| South Africa | SQIS-06K | D | Television |
| Sweden | SQSS-06H | D | A globe |
| Sweden | SQSS-06I | D | A piano |
| Sweden | SQSS-06J | D | Any musical instruments other than piano |
| Sweden | SQSS-06K | X | Option not administered or data not available |
| Thailand | SQIS-06H | D | Laptop |
| Thailand | SQIS-06I | D | Talking dictionary |
| Thailand | SQIS-06J | D | Smart phone |

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|----------------------|------------|---|--|
| Thailand | SQIS-06K | D | Digital TV |
| Turkey | SQIS-06H | D | Heating systems |
| Turkey | SQIS-06I | D | Cooling systems (air conditioner) |
| Turkey | SQIS-06J | D | Washing machine |
| Turkey | SQIS-06K | D | Dishwasher |
| UAE, Abu Dhabi | SQIS-06H | D | A smartphone |
| UAE, Abu Dhabi | SQIS-06I | D | A swimming pool (if ITLANG = 1) / A pet (if ITLANG = 53) |
| UAE, Abu Dhabi | SQIS-06J | D | A luxury watch (e.g., Rolex, Chopard, or Cartier) |
| UAE, Abu Dhabi | SQIS-06K | D | A luxury car (e.g., Bentley, Rolls-Royce, or Maserati) |
| UAE, Dubai | SQIS-06H | D | A smartphone |
| UAE, Dubai | SQIS-06I | D | A swimming pool (if ITLANG = 1) / A pet (if ITLANG = 53) |
| UAE, Dubai | SQIS-06J | D | A luxury watch (e.g., Rolex, Chopard, or Cartier) |
| UAE, Dubai | SQIS-06K | D | A luxury car (e.g., Bentley, Rolls-Royce, or Maserati) |
| United Arab Emirates | SQIS-06H | D | A smartphone |
| United Arab Emirates | SQIS-06I | D | A swimming pool (if ITLANG = 1) / A pet (if ITLANG = 53) |
| United Arab Emirates | SQIS-06J | D | A luxury watch (e.g., Rolex, Chopard, or Cartier) |
| United Arab Emirates | SQIS-06K | D | A luxury car (e.g., Bentley, Rolls-Royce, or Maserati) |
| United States | SQIS-06H | D | VCR, DVD, or Blu-ray player |
| United States | SQIS-06I-K | X | Option not administered or data not available |
| USA, Florida | SQIS-06H | D | VCR, DVD, or Blu-ray player |
| USA, Florida | SQIS-06I-K | X | Option not administered or data not available |

SQIS-07A / SQSS-07A

Question:

What is the highest level of education completed by your mother (or stepmother or female guardian)?

- 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

Variable Name(s): BSBG07A

| Country | Item ID | Code | Documentation |
|-------------------|----------|------|---|
| ARG, Buenos Aires | SQIS-07A | D | Nationally defined options: 1 = Primary education 2 = Incomplete secondary education 3 = Complete secondary education 4 = Post-secondary, non tertiary education 5 = Short cycle tertiary education 6 = Bachelor's or equivalent 7 = Master's or Doctorate 8 = I don't know |
| Australia | SQIS-07A | D | National options recoded for international comparability: 1 = Some primary school or did not go to school 2 = Primary school 3 = Secondary school 4 = TAFE training certificate, apprenticeship or traineeship 5 = TAFE or college diploma (e.g., Diploma of Information Technology) 6 = Undergraduate degree (e.g., Bachelor of Arts) / Graduate or postgraduate diploma (e.g., Postgraduate Diploma of Education) 7 = Master's degree, PhD, or Doctorate 8 = I don't know |
| Bahrain | SQIS-07A | D | Nationally defined options: 1 = Some primary education or did not go to school 2 = Intermediate education 3 = Secondary education 4 = Diploma 5 = Postgraduate diploma 6 = Bachelor's 7 = Master's or PhD 8 = I don't know |
| Botswana | SQIS-07A | D | Nationally defined options: 1 = Some primary or secondary or did not go to school 2 = Junior secondary 3 = Senior secondary 4 = Vocational or technical certificate 5 = Diploma 6 = First degree 7 = Master's degree or higher 8 = I don't know |

| | | | |
|----------------|----------|---|--|
| CAN, Ontario | SQIS-07A | D | <p>Nationally defined options:</p> <p>1 = Some primary education or Grade 7-Secondary 1 or did not go to school</p> <p>2 = Grade 8-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> |
| CAN, Quebec | SQIS-07A | D | <p>Nationally defined options:</p> <p>1 = Some primary education or Grade 7-Secondary 1 or did not go to school</p> <p>2 = Grade 8-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> |
| Canada | SQIS-07A | D | <p>Nationally defined options:</p> <p>1 = Some primary education or Grade 7-Secondary 1 or did not go to school</p> <p>2 = Grade 8-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> |
| Chile | SQIS-07A | D | <p>National options recoded for international comparability:</p> <p>1 = Did not go to school or did not finish lower secondary</p> <p>2 = Lower secondary education</p> <p>3 = Upper secondary education</p> <p>4 = Option not administered or data not available</p> <p>5 = Program in a vocational education center / Professional education center</p> <p>6 = Program in a university</p> <p>7 = Postgraduate degree (Master degree or PhD)</p> <p>8 = I don't know</p> |
| Chinese Taipei | SQIS-07A | D | <p>National options recoded for international comparability:</p> <p>1 = Did not finish elementary school or did not go to school / Elementary school program</p> <p>2 = Junior high school program</p> <p>3 = Senior high school or the vocational school program</p> <p>4 = Junior college or the two-year college program</p> <p>5 = Option not administered or data not available</p> <p>6 = Two-year college of technology or four-year college of technology program / University program</p> <p>7 = Master program / Ph.D. program</p> <p>8 = I don't know</p> |

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|---------------|----------|---|--|
| Egypt | SQIS-07A | D | Nationally defined options: 1 = Part of primary or preparatory education 2 = Preparatory education 3 = Secondary education 4 = Post-secondary, intermediate institutes, non-higher education 5 = Intermediate institutes of higher education 6 = Bachelor's degree or equivalent 7 = Master's or Doctor degree or equivalent 8 = I don't know |
| England | SQIS-07A | 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 = 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 or Doctorate or higher degree (e.g., MPhil, PhD) 8 = I don't know |
| Georgia | SQSS-07A | D | National options recoded for international comparability: 1 = Primary (4 grades) level or did not go to school 2 = Basic level of General Education (9 grades) 3 = Secondary level of General Education (11 grades) 4 = Vocational school (based on 9 grades, e.g., College, vocational college) 5 = Higher vocational school 6 = First degree higher education (4-year, Bachelor's) 7 = Further degrees of higher education (Master's, 5-year education prior to 2005 equivalent to Master's) / Further degrees of higher education, scientific degree (Candidate Doctor's, Doctor's) 8 = I don't know |
| Hong Kong SAR | SQIS-07A | D | Nationally defined options: 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 = Completed a certificate, diploma, or an associate degree 6 = Bachelor's degree 7 = Master's degree or Doctoral degree 8 = I don't know |
| Hungary | SQSS-07A | D | National options recoded for international comparability: 1 = Did not finish general school or did not go to school 2 = General school 3 = Vocational school (without final exam or matura) / Secondary vocational school with final exam (matura) or finished grammar school with final exam (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 |

| | | | |
|-----------------------|----------|---|---|
| Iran, Islamic Rep. of | SQIS-07A | D | Nationally defined options: 1 = Some 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 or equivalent level 7 = Master's or Doctor 8 = I don't know |
| Ireland | SQIS-07A | D | Nationally defined options: 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 = A Post-Leaving Cert. course, or similar 5 = A third-level Cert. or Diploma 6 = A university degree 7 = A Master's degree, a Doctorate or similar 8 = I don't know |
| Israel | SQIS-07A | D | Nationally defined options: 1 = Some primary school or junior school studies 2 = Junior school 3 = High school 4 = Preparatory program school 5 = Post-secondary post-certification studies (such as teaching without Bachelor degree, engineering, technicians) 6 = Bachelor degree (such as B.A., B.Ed., B.Sc.) 7 = Master degree or Doctor degree 8 = I don't know |
| Italy | SQIS-07A | D | Nationally defined options: 1 = Did not complete primary education or lower secondary education 2 = Lower secondary education 3 = Upper secondary education 4 = Post-secondary, non-tertiary education 5 = Tertiary education level I 6 = Tertiary education level II or equivalent 7 = Postgraduate Masters, PhD or equivalent qualification 8 = I don't know |
| Japan | SQIS-07A | D | Nationally defined options: 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 |
| Jordan | SQIS-07A | D | Nationally defined options: 1 = Did not complete Basic cycle or did not go to school 2 = Basic cycle (completed grade 10) 3 = Secondary cycle 4 = Vocational center 5 = Community college diploma 6 = Bachelor's or equivalent 7 = Master's or Doctor 8 = I don't know |

| | | | |
|----------------|----------|---|--|
| Kazakhstan | SQSS-07A | D | <p>National options recoded for international comparability:</p> <p>1 = Primary education or unfinished secondary education or did not go to school</p> <p>2 = Basic secondary education (1-9 grades)</p> <p>3 = General secondary education (1-11 grades)</p> <p>4 = Technical and vocational education / Post-Secondary education</p> <p>5 = Option not administered or data not available</p> <p>6 = Higher education (Bachelor's level)</p> <p>7 = Postgraduate education (Master's or Doctor level)</p> <p>8 = I don't know</p> |
| Korea, Rep. of | SQIS-07A | D | <p>National options recoded for international comparability:</p> <p>1 = Did not attend school or did not complete elementary school or finished elementary school, did not finish middle school</p> <p>2 = Middle school</p> <p>3 = High school</p> <p>4 = Option not administered or data not available</p> <p>5 = Two-year or three-year college</p> <p>6 = Four-year university</p> <p>7 = Graduate school (Master, or Doctoral degree)</p> <p>8 = I don't know</p> |
| Kuwait | SQIS-07A | D | <p>Nationally defined options:</p> <p>1 = Some elementary level or intermediate level or did not go to school</p> <p>2 = Intermediate level</p> <p>3 = Secondary level</p> <p>4 = Pre-university education (e.g., diploma)</p> <p>5 = Technical or Applied education</p> <p>6 = Bachelor's or equivalent level</p> <p>7 = Master's or Doctor level</p> <p>8 = I don't know</p> |
| Lebanon | SQSS-07A | D | <p>Nationally defined options:</p> <p>1 = Some primary education or Grade 9 basic education or did not go to school</p> <p>2 = Grade 9 basic education (lower secondary education)</p> <p>3 = Cycle 4 or secondary education</p> <p>4 = Normal School - primary education (1 year after secondary cycle)</p> <p>5 = Normal School - middle education (2 years after secondary cycle)</p> <p>6 = Bachelor or equivalent (1st university cycle)</p> <p>7 = Master or Doctorate</p> <p>8 = I don't know</p> |
| Lithuania | SQSS-07A | D | <p>Nationally defined options:</p> <p>1 = Did not attend school or attended only a few classes</p> <p>2 = Lower secondary education</p> <p>3 = Upper secondary education</p> <p>4 = Vocational (already having secondary education)</p> <p>5 = Further education school, technical school</p> <p>6 = Bachelor's (finish university) or vocational Bachelor (finish college) degree</p> <p>7 = Master's or Doctor degree</p> <p>8 = I don't know</p> |
| Malaysia | SQIS-07A | D | <p>Nationally defined options:</p> <p>1 = Some primary or secondary education or did not go to school</p> <p>2 = Lower secondary (PMR)</p> <p>3 = Upper secondary education (SPM/STPM/matriculation)</p> <p>4 = Certificate (skills)</p> <p>5 = Diploma (tertiary)</p> <p>6 = Bachelor's</p> <p>7 = Master's or PhD</p> <p>8 = I don't know</p> |

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| Malta | SQSS-07A | D | <p>National options recoded for international comparability:</p> <p>1 = Some primary education or secondary education</p> <p>2 = Achieved four or less Secondary Education Certificate (SEC) examinations at Grade 1-7 or equivalent</p> <p>3 = Achieved five or more Secondary Education Certificate (SEC) examinations at Grade 1-7 or equivalent / Completed upper-secondary education/MATSEC Certificate or equivalent</p> <p>4 = VET National Diploma Level or equivalent level</p> <p>5 = Undergraduate Certificate or Diploma or VET Higher National Diploma Level or equivalent level</p> <p>6 = Bachelor's degree or equivalent</p> <p>7 = Masters, Doctorate degree or equivalent</p> <p>8 = I don't know</p> |
| Morocco | SQSS-07A | D | <p>Nationally defined categories:</p> <p>1 = Part of the primary school or part of lower secondary school or did not go to school</p> <p>2 = Lower secondary school</p> <p>3 = Upper secondary school</p> <p>4 = Preparatory classes</p> <p>5 = Diploma of university studies</p> <p>6 = Bachelor's degree or equivalent</p> <p>7 = Master's degree or Doctorate</p> <p>8 = I don't know</p> |
| New Zealand | SQIS-07A | D | <p>National options 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, Post-graduate diploma or Master's degree / PhD</p> <p>8 = I don't know</p> |
| Norway | SQIS-07A | 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 (not university or university college)</p> <p>5 = Short education at 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 or Doctoral degree</p> <p>8 = I don't know</p> |
| Norway (Grade 8) | SQIS-07A | 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 (not university or university college)</p> <p>5 = Short education at 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 or Doctoral degree</p> <p>8 = I don't know</p> |

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| Oman | SQIS-07A | D | Nationally defined options: 1 = Some 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 or equivalent level 7 = Postgraduate degree: Master's or Doctorate 8 = I don't know |
| Qatar | SQIS-07A | D | National options recoded for international comparability: 1 = Some primary education or preparatory education or did not go to school 2 = Preparatory education 3 = Secondary education 4 = Diploma 5 = Option not administered or data not available 6 = Bachelor's degree or equivalent level 7 = Post-graduate degree 8 = I don't know |
| Russian Federation | SQSS-07A | D | Nationally defined options: 1 = Did not finish primary or basic education or did not go to school 2 = Basic general education (9 grades) 3 = Secondary general education (11 grades) 4 = 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 = I don't know |
| Saudi Arabia | SQIS-07A | D | Nationally defined options: 1 = Some 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 or equivalent level 7 = Postgraduate degree: Master's or Doctorate 8 = I don't know |
| Singapore | SQIS-07A | D | Nationally defined options: 1 = Some primary or lower secondary or did not go to school 2 = Lower secondary (completed Secondary 2) 3 = Upper secondary 4 = Post-secondary, non-tertiary (e.g., JC, CI, ITE) 5 = Polytechnic 6 = University Bachelor's degree 7 = Master's or Doctoral (e.g., PhD) degree 8 = I don't know |

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| Slovenia | SQSS-07A | D | Nationally defined options: 1 = Primary education or did not go to school 2 = Lower secondary education 3 = Upper secondary education 4 = Post-secondary, non-tertiary education (high school) 5 = Short-cycle tertiary education (2-year old study programs, also teacher college or vocational oriented study) 6 = University study of the first Bologna degree 7 = University 4 year study (old programs) or university study of the second Bologna degree or Master of science or Doctorate of science 8 = I don't know |
| South Africa | SQIS-07A | D | National categories recoded for international comparability: 1 = Did not go to school / Did not finish Grade 9 2 = Grade 9 3 = Grade 12 4 = Post-matric certificate 5 = Diploma 6 = First degree / Honours degree 7 = Master's degree / Doctoral degree 8 = I don't know |
| Sweden | SQSS-07A | D | Nationally defined options: 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 (e.g., 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 |
| Thailand | SQIS-07A | D | National options recoded for international comparability: 1 = Did not complete primary or lower secondary education or did not go to school 2 = Lower secondary education 3 = Upper secondary education or equivalent 4 = Post-secondary, non-tertiary education 5 = Option not administered or data not available 6 = Bachelor's or equivalent level 7 = Graduate degree (Master's or PhD) 8 = I don't know |
| Turkey | SQIS-07A | D | National options recoded for international comparability: 1 = Did not go to school or completed primary school or left elementary or secondary school 2 = Secondary school 3 = High school 4 = Option not administered or data not available 5 = Associate degree (2 years college) 6 = Bachelor of Science 7 = Master of Science or Doctorate 8 = I don't know |

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| UAE, Abu Dhabi | SQIS-07A | D | <p>Nationally defined options:</p> <p>1 = Some primary school or did not go to school</p> <p>2 = Some secondary school</p> <p>3 = Finish secondary school</p> <p>4 = Training Certificate, apprenticeship, or traineeship</p> <p>5 = College diploma</p> <p>6 = Bachelor's degree or equivalent</p> <p>7 = Beyond Bachelor's degree (e.g., Master's of Arts, PhD)</p> <p>8 = I don't know</p> |
| UAE, Dubai | SQIS-07A | D | <p>Nationally defined options:</p> <p>1 = Some primary school or did not go to school</p> <p>2 = Some secondary school</p> <p>3 = Finish secondary school</p> <p>4 = Training Certificate, apprenticeship, or traineeship</p> <p>5 = College diploma</p> <p>6 = Bachelor's degree or equivalent</p> <p>7 = Beyond Bachelor's degree (e.g., Master's of Arts, PhD)</p> <p>8 = I don't know</p> |
| United Arab Emirates | SQIS-07A | D | <p>Nationally defined options:</p> <p>1 = Some primary school or did not go to school</p> <p>2 = Some secondary school</p> <p>3 = Finish secondary school</p> <p>4 = Training Certificate, apprenticeship, or traineeship</p> <p>5 = College diploma</p> <p>6 = Bachelor's degree or equivalent</p> <p>7 = Beyond Bachelor's degree (e.g., Master's of Arts, PhD)</p> <p>8 = I don't know</p> |
| United States | SQIS-07A | D | <p>National options recoded for international comparability:</p> <p>1 = Less than high school</p> <p>2 = Some high school</p> <p>3 = High school graduate</p> <p>4 = Option not administered or data not available</p> <p>5 = Associate's degree (2-year college program)</p> <p>6 = Bachelor's degree (4-year college program)</p> <p>7 = Master's degree or professional degree (MD, DDS, lawyer, minister) / Doctorate (Ph.D. or Ed.D.)</p> <p>8 = I don't know</p> |
| USA, Florida | SQIS-07A | D | <p>National options recoded for international comparability:</p> <p>1 = Less than high school</p> <p>2 = Some high school</p> <p>3 = High school graduate</p> <p>4 = Option not administered or data not available</p> <p>5 = Associate's degree (2-year college program)</p> <p>6 = Bachelor's degree (4-year college program)</p> <p>7 = Master's degree or professional degree (MD, DDS, lawyer, minister) / Doctorate (Ph.D. or Ed.D.)</p> <p>8 = I don't know</p> |

SQIS-07B / SQSS-07B

Question:

What is the highest level of education completed by your father (or stepfather or male guardian)?

- 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

Variable Name(s): BSBG07B

| Country | Item ID | Code | Documentation |
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| ARG, Buenos Aires | SQIS-07B | D | Nationally defined options: 1 = Primary education 2 = Incomplete secondary education 3 = Complete secondary education 4 = Post-secondary, non-tertiary education 5 = Short cycle tertiary education 6 = Bachelor's or equivalent 7 = Master's or Doctorate 8 = I don't know |
| Australia | SQIS-07B | D | National options recoded for international comparability: 1 = Some primary school or did not go to school 2 = Primary school 3 = Secondary school 4 = TAFE training certificate, apprenticeship or traineeship 5 = TAFE or college diploma (e.g., Diploma of Information Technology) 6 = Undergraduate degree (e.g., Bachelor of Arts) / Graduate or postgraduate diploma (e.g., Postgraduate Diploma of Education) 7 = Master's degree, PhD, or Doctorate 8 = I don't know |
| Bahrain | SQIS-07B | D | Nationally defined options: 1 = Some primary education or did not go to school 2 = Intermediate education 3 = Secondary education 4 = Diploma 5 = Postgraduate diploma 6 = Bachelor's 7 = Master's or PhD 8 = I don't know |
| Botswana | SQIS-07B | D | Nationally defined options: 1 = Some primary or secondary or did not go to school 2 = Junior secondary 3 = Senior secondary 4 = Vocational or technical certificate 5 = Diploma 6 = First degree 7 = Master's degree or higher 8 = I don't know |

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| CAN, Ontario | SQIS-07B | D | <p>Nationally defined options:</p> <p>1 = Some primary education or Grade 7-Secondary 1 or did not go to school</p> <p>2 = Grade 8-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> |
| CAN, Quebec | SQIS-07B | D | <p>Nationally defined options:</p> <p>1 = Some primary education or Grade 7-Secondary 1 or did not go to school</p> <p>2 = Grade 8-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> |
| Canada | SQIS-07B | D | <p>Nationally defined options:</p> <p>1 = Some primary education or Grade 7-Secondary 1 or did not go to school</p> <p>2 = Grade 8-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> |
| Chile | SQIS-07B | D | <p>National options recoded for international comparability:</p> <p>1 = Did not go to school or did not finish lower secondary</p> <p>2 = Lower secondary education</p> <p>3 = Upper secondary education</p> <p>4 = Option not administered or data not available</p> <p>5 = Program in a vocational education center / Professional education center</p> <p>6 = Program in a university</p> <p>7 = Postgraduate degree (Master degree or PhD)</p> <p>8 = I don't know</p> |
| Chinese Taipei | SQIS-07B | D | <p>National options recoded for international comparability:</p> <p>1 = Did not finish elementary school or did not go to school / Elementary school program</p> <p>2 = Junior high school program</p> <p>3 = Senior high school or the vocational school program</p> <p>4 = Junior college or the two-year college program</p> <p>5 = Option not administered or data not available</p> <p>6 = Two-year college of technology or four-year college of technology program / University program</p> <p>7 = Master program / Ph.D. program</p> <p>8 = I don't know</p> |

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| Egypt | SQIS-07B | D | Nationally defined options: 1 = Part of primary or preparatory education 2 = Preparatory education 3 = Secondary education 4 = Post-secondary, intermediate institutes, non-higher education 5 = Intermediate institutes of higher education 6 = Bachelor's degree or equivalent 7 = Master's or Doctor degree or equivalent 8 = I don't know |
| England | SQIS-07B | 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 = 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 |
| Georgia | SQSS-07B | D | National options recoded for international comparability: 1 = Primary (4 grades) level or did not go to school 2 = Basic level of General Education (9 grades) 3 = Secondary level of General Education (11 grades) 4 = Vocational school (based on 9 grades, e.g., College, vocational college) 5 = Higher vocational school 6 = First degree higher education (4-year, Bachelor's) 7 = Further degrees of higher education (Master's, 5-year education prior to 2005 equivalent to Master's) / Further degrees of higher education, scientific degree (Candidate Doctor's, Doctor's) 8 = I don't know |
| Hong Kong SAR | SQIS-07B | D | Nationally defined options: 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 = Completed a certificate, diploma, or an associate degree 6 = Bachelor's degree 7 = Master's degree or Doctoral degree 8 = I don't know |
| Hungary | SQSS-07B | D | National options recoded for international comparability: 1 = Did not finish general school or did not go to school 2 = General school 3 = Vocational school (without final exam/matura) / Secondary vocational school with final exam (matura) or finished grammar school with final exam (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 |

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| Iran, Islamic Rep. of | SQIS-07B | D | Nationally defined options: 1 = Some 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 or equivalent level 7 = Master's or Doctor 8 = I don't know |
| Ireland | SQIS-07B | D | Nationally defined options: 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 = A Post-Leaving Cert. course, or similar 5 = A third-level Cert. or Diploma 6 = A university degree 7 = A Masters' degree, a Doctorate or similar 8 = I don't know |
| Israel | SQIS-07B | D | Nationally defined options: 1 = Some primary school or junior school studies 2 = Junior school 3 = High school 4 = Preparatory program school 5 = Post-secondary post-certification studies (such as teaching without Bachelor degree, engineering, technicians) 6 = Bachelor degree (such as B.A., or B.Ed., B.Sc.) 7 = Master degree or Doctor degree 8 = I don't know |
| Italy | SQIS-07B | D | Nationally defined options: 1 = Did not completed primary education or lower secondary education 2 = Lower secondary education 3 = Upper secondary education 4 = Post-secondary, non-tertiary education 5 = Tertiary education level I 6 = Tertiary education level II or equivalent 7 = Postgraduate Masters, PhD or equivalent qualification 8 = I don't know |
| Japan | SQIS-07B | D | Nationally defined options: 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 |
| Jordan | SQIS-07B | D | Nationally defined options: 1 = Did not complete Basic cycle or did not go to school 2 = Basic cycle (completed grade 10) 3 = Secondary cycle 4 = Vocational center 5 = Community college diploma 6 = Bachelor's or equivalent 7 = Master's or Doctor 8 = I don't know |

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| Kazakhstan | SQSS-07B | D | <p>National options recoded for international comparability:</p> <p>1 = Primary education or unfinished secondary education or did not go to school</p> <p>2 = Basic secondary education (1-9 grades)</p> <p>3 = General secondary education (1-11 grades)</p> <p>4 = Technical and vocational education / Post-Secondary education</p> <p>5 = Option not administered or data not available</p> <p>6 = Higher education (Bachelor's level)</p> <p>7 = Postgraduate education (Master's or Doctor level)</p> <p>8 = I don't know</p> |
| Korea, Rep. of | SQIS-07B | D | <p>National options recoded for international comparability:</p> <p>1 = Did not attend school or did not complete elementary school or finished elementary school, did not finish middle school</p> <p>2 = Middle school</p> <p>3 = High school</p> <p>4 = Option not administered or data not available</p> <p>5 = Two-year or three-year college</p> <p>6 = Four-year university</p> <p>7 = Graduate school (master, or doctoral degree)</p> <p>8 = I don't know</p> |
| Kuwait | SQIS-07B | D | <p>Nationally defined options:</p> <p>1 = Some elementary level or intermediate level or did not go to school</p> <p>2 = Intermediate level</p> <p>3 = Secondary level</p> <p>4 = Pre-university education (e.g., diploma)</p> <p>5 = Technical or Applied education</p> <p>6 = Bachelor's or equivalent level</p> <p>7 = Master's or Doctor level</p> <p>8 = I don't know</p> |
| Lebanon | SQSS-07B | D | <p>Nationally defined options:</p> <p>1 = Some primary education or Grade 9 basic education or did not go to school</p> <p>2 = Grade 9 basic education (lower secondary education)</p> <p>3 = Cycle 4 or secondary education</p> <p>4 = Normal School - primary education (1 year after secondary cycle)</p> <p>5 = Normal School - middle education (2 years after secondary cycle)</p> <p>6 = Bachelor or equivalent (1st university cycle)</p> <p>7 = Master or Doctorate</p> <p>8 = I don't know</p> |
| Lithuania | SQSS-07B | D | <p>Nationally defined options:</p> <p>1 = Did not attend school or attended only a few classes</p> <p>2 = Lower secondary education</p> <p>3 = Upper secondary education</p> <p>4 = Vocational (already having secondary education)</p> <p>5 = Finished further education school, technical school</p> <p>6 = Bachelor's (finish university) or vocational bachelor (finish college) degree</p> <p>7 = Master's or Doctor degree</p> <p>8 = I don't know</p> |
| Malaysia | SQIS-07B | D | <p>Nationally defined options:</p> <p>1 = Some primary or secondary education or did not go to school</p> <p>2 = Lower secondary (PMR)</p> <p>3 = Upper secondary education (SPM/STPM/matriculation)</p> <p>4 = Certificate (skills)</p> <p>5 = Diploma (tertiary)</p> <p>6 = Bachelor's</p> <p>7 = Master's or PhD</p> <p>8 = I don't know</p> |

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| Malta | SQSS-07B | D | <p>National options recoded for international comparability:</p> <p>1 = Some primary education or secondary education</p> <p>2 = Achieved four or less Secondary Education Certificate (SEC) examinations at Grade 1-7 or equivalent</p> <p>3 = Achieved five or more Secondary Education Certificate (SEC) examinations at Grade 1-7 or equivalent / Completed upper-secondary education/MATSEC Certificate or equivalent</p> <p>4 = VET National Diploma Level or equivalent level</p> <p>5 = Undergraduate Certificate or Diploma or VET Higher National Diploma Level or equivalent level</p> <p>6 = Bachelor's Degree or equivalent</p> <p>7 = Masters, Doctorate Degree or equivalent</p> <p>8 = I don't know</p> |
| Morocco | SQSS-07B | D | <p>Nationally defined categories:</p> <p>1 = Part of the primary school or part of lower secondary school or did not go to school</p> <p>2 = Lower secondary school</p> <p>3 = Upper secondary school</p> <p>4 = Preparatory classes</p> <p>5 = Diploma of university studies</p> <p>6 = Bachelor's degree or equivalent</p> <p>7 = Master's degree or Doctorate</p> <p>8 = I don't know</p> |
| New Zealand | SQIS-07B | D | <p>National options 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, Post-graduate diploma or Master's degree / PhD</p> <p>8 = I don't know</p> |
| Norway | SQIS-07B | 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 (not university or university college)</p> <p>5 = Short education at 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 or Doctoral degree</p> <p>8 = I don't know</p> |
| Norway (Grade 8) | SQIS-07B | 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 (not university or university college)</p> <p>5 = Short education at 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 or Doctoral degree</p> <p>8 = I don't know</p> |

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| Oman | SQIS-07B | D | <p>Nationally defined options:</p> <p>1 = Some 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 = Short-cycle tertiary education</p> <p>6 = Bachelor's or equivalent level</p> <p>7 = Postgraduate degree: Master's or Doctorate</p> <p>8 = I don't know</p> |
| Qatar | SQIS-07B | D | <p>National options recoded for international comparability:</p> <p>1 = Some primary education or preparatory education or did not go to school</p> <p>2 = Preparatory education</p> <p>3 = Secondary education</p> <p>4 = Attained a diploma education</p> <p>5 = Option not administered or data not available</p> <p>6 = Attained a Bachelor's degree or equivalent level</p> <p>7 = Attained a post-graduate degree</p> <p>8 = I don't know</p> |
| Russian Federation | SQSS-07B | D | <p>Nationally defined options:</p> <p>1 = Did not finish primary or basic education or did not go to school</p> <p>2 = Basic general education (9 grades)</p> <p>3 = Secondary general education (11 grades)</p> <p>4 = Initial vocational education</p> <p>5 = Incomplete higher education: (two years or more)</p> <p>6 = Higher education: Bachelor or equivalent (three years or more)</p> <p>7 = Higher education: Master or equivalent (five years or more), second university degree; candidate or Doctor degree</p> <p>8 = I don't know</p> |
| Saudi Arabia | SQIS-07B | D | <p>Nationally defined options:</p> <p>1 = Some 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 = Short-cycle tertiary education</p> <p>6 = Bachelor's or equivalent level</p> <p>7 = Postgraduate degree: Master's or Doctorate</p> <p>8 = I don't know</p> |
| Singapore | SQIS-07B | D | <p>Nationally defined options:</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> |

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|--------------|----------|---|--|
| Slovenia | SQSS-07B | D | <p>Nationally defined options:</p> <p>1 = Primary 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 (high school)</p> <p>5 = Short-cycle tertiary education (2-year old study programs, also teacher college or vocational oriented study)</p> <p>6 = University study of the first Bologna degree</p> <p>7 = University 4 year study (old programs) or university study of the second Bologna degree or master of science or Doctorate of science</p> <p>8 = I don't know</p> |
| South Africa | SQIS-07B | D | <p>National categories recoded for international comparability:</p> <p>1 = Did not go to school / Did not finish Grade 9</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 / Honours degree</p> <p>7 = Master's degree / Doctoral degree</p> <p>8 = I don't know</p> |
| Sweden | SQSS-07B | D | <p>Nationally defined options:</p> <p>1 = Did not go to school or less than 9 years in elementary school</p> <p>2 = 9 years in elementary school</p> <p>3 = Secondary school</p> <p>4 = Tertiary education, not university college</p> <p>5 = Higher education up to 2 years (e.g., university college degree)</p> <p>6 = University or university college degree (e.g., Bachelor's degree 3 years)</p> <p>7 = University or university college degree (e.g., Master's degree 4-5 years) or postgraduate education</p> <p>8 = I don't know</p> |
| Thailand | SQIS-07B | D | <p>National options recoded for international comparability:</p> <p>1 = Did not complete primary or lower secondary education or did not go to school</p> <p>2 = Lower secondary education</p> <p>3 = Upper secondary education or equivalent</p> <p>4 = Post-secondary, non-tertiary education</p> <p>5 = Option not administered or data not available</p> <p>6 = Bachelor's or equivalent level</p> <p>7 = Graduate degree (Master's or PhD)</p> <p>8 = I don't know</p> |
| Turkey | SQIS-07B | D | <p>National options recoded for international comparability:</p> <p>1 = Did not go to school or completed primary school or left elementary or secondary school</p> <p>2 = Secondary school</p> <p>3 = High school</p> <p>4 = Option not administered or data not available</p> <p>5 = Associate degree (2 years college)</p> <p>6 = Bachelor of Science</p> <p>7 = Master of Science or Doctorate</p> <p>8 = I don't know</p> |

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|----------------------|----------|---|--|
| UAE, Abu Dhabi | SQIS-07B | D | Nationally defined options: 1 = Some primary school or did not go to school 2 = Some secondary school 3 = Finish secondary school 4 = Training Certificate, apprenticeship, or traineeship 5 = College diploma 6 = Bachelor's degree or equivalent 7 = Beyond Bachelors' degree (e.g., Master's of Arts, PhD) 8 = I don't know |
| UAE, Dubai | SQIS-07B | D | Nationally defined options: 1 = Some primary school or did not go to school 2 = Some secondary school 3 = Finish secondary school 4 = Training Certificate, apprenticeship, or traineeship 5 = College diploma 6 = Bachelor's degree or equivalent 7 = Beyond Bachelors' degree (e.g., Master's of Arts, PhD) 8 = I don't know |
| United Arab Emirates | SQIS-07B | D | Nationally defined options: 1 = Some primary school or did not go to school 2 = Some secondary school 3 = Finish secondary school 4 = Training Certificate, apprenticeship, or traineeship 5 = College diploma 6 = Bachelor's degree or equivalent 7 = Beyond Bachelors' degree (e.g., Master's of Arts, PhD) 8 = I don't know |
| United States | SQIS-07B | D | National options 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 |
| USA, Florida | SQIS-07B | D | National options 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 |

SQIS-08 / SQSS-08

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): BSBG08

| Country | Item ID | Code | Documentation |
|-------------------|---------|------|--|
| ARG, Buenos Aires | SQIS-08 | D | National options recoded for international comparability: 1 = Basic secondary education 2 = All secondary education 3 = Option not administered or data not available 4 = Tertiary education / Short university degree 5 = Long university degree 6 = Master's or Doctorate |
| Australia | SQIS-08 | 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 | SQIS-08 | D | Nationally defined options: 1 = Intermediate education 2 = Secondary education 3 = Diploma 4 = Postgraduate diploma 5 = Bachelor's 6 = Master's or PhD |
| Botswana | SQIS-08 | D | Nationally defined options: 1 = Junior secondary 2 = Senior secondary 3 = Vocational or technical certificate 4 = Diploma 5 = First degree 6 = Master's degree or higher |
| CAN, Ontario | SQIS-08 | D | Nationally defined options: 1 = Grade 8-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 Doctoral degree |

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| CAN, Quebec | SQIS-08 | D | Nationally defined options: 1 = Grade 8-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 Doctoral degree |
| Canada | SQIS-08 | D | Nationally defined options: 1 = Grade 8-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 Doctoral degree |
| Chile | SQIS-08 | D | National options recoded for international comparability: 1 = Lower secondary education 2 = Upper secondary education 3 = Option not administered or data not available 4 = Program in a vocational education center / Professional education center 5 = Program in a university 6 = Master degree or PhD |
| Chinese Taipei | SQIS-08 | D | National options recoded for international comparability: 1 = Junior high school program 2 = Senior high school or the vocational school program 3 = Junior college or the 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 program / Ph.D. program |
| Egypt | SQIS-08 | D | Nationally defined options: 1 = Preparatory education 2 = Secondary education 3 = Post-secondary, intermediate institutes, non-higher education 4 = Intermediate institutes 5 = Bachelor's degree or equivalent 6 = Master's degree or Ph.D. |
| England | SQIS-08 | D | Nationally defined options: 1 = Lower secondary school up to the age of 14 2 = AS, A level or equivalent qualification, 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) |
| Georgia | SQSS-08 | D | National options recoded for international comparability: 1 = Basic Level of General Education (9 grades) 2 = Secondary level of General Education (12 grades) 3 = Vocational School 4 = Higher Vocational School (4th and 5th degrees) 5 = First degree of Higher Education (Bachelor's, 4 years) 6 = Further degree of Higher Education - Master's / Further degree of Higher Education - Doctor's |

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|-----------------------|---------|---|--|
| Hong Kong SAR | SQIS-08 | D | Nationally defined options: 1 = Junior secondary education 2 = Senior secondary education 3 = Vocational training after senior secondary education 4 = Certificate, diploma, or an associate degree 5 = Bachelor's degree 6 = Master's degree or Doctoral degree |
| Hungary | SQSS-08 | D | National options recoded for international comparability: 1 = General school 2 = Vocational school (without final exam/matura) / Finish secondary vocational school with final exam (matura) or finish grammar school with final exam (matura) 3 = Vocational programs based on Maturity examination 4 = Accredited post secondary vocational programs (e.g., customs administrator, social insurance administrator) 5 = College or university BA level 6 = University or university MA level or education higher than these (e.g., PhD) |
| Iran, Islamic Rep. of | SQIS-08 | 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 = Master's or Doctor |
| Ireland | SQIS-08 | D | Nationally defined options: 1 = Junior Cert. 2 = Leaving Cert. 3 = Do a Post-Leaving Cert. course 4 = A third-level Cert. or Diploma (e.g., from an Institute of Technology) 5 = A university degree 6 = A Master's degree and/or Doctorate |
| Israel | SQIS-08 | D | Nationally defined options: 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., B.Ed., B.Sc.) 6 = Master degree or Doctor degree |
| Italy | SQIS-08 | D | Nationally defined options: 1 = Lower secondary education 2 = Upper secondary education 3 = Post-secondary, non-tertiary education 4 = Tertiary education level I 5 = Tertiary education level II or equivalent 6 = Postgraduate Masters, PhD or equivalent qualification |
| Japan | SQIS-08 | 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 |

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|----------------|---------|---|--|
| Jordan | SQIS-08 | D | Nationally defined options: 1 = Basic cycle (grade 10) 2 = Secondary cycle (grade 12) 3 = Vocational center 4 = Community college diploma 5 = Bachelor's or equivalent 6 = Master's or Doctor |
| Kazakhstan | SQSS-08 | D | National options recoded for international comparability: 1 = Basic secondary education (9 grades) 2 = General secondary education (11 grades) 3 = Technical and vocational education / Post-secondary education 4 = Option not administered or data not available 5 = Higher education (Bachelor's level) 6 = Postgraduate education (Master's or Doctor level) |
| Korea, Rep. of | SQIS-08 | D | National options recoded for international comparability: 1 = Middle school 2 = High school 3 = Option not administered or data not available 4 = Two-year or three-year college 5 = Four-year university 6 = Graduate school (master's or doctoral program) |
| Kuwait | SQIS-08 | D | Nationally defined options: 1 = Intermediate level 2 = Secondary level 3 = Pre-university education (e.g., diploma) 4 = Technical or Applied education 5 = Bachelor's or equivalent level 6 = Master's or Doctor level |
| Lebanon | SQSS-08 | D | Nationally defined options: 1 = Grade 9 basic education (lower secondary education) 2 = Cycle 4 or secondary education 3 = Normal School - primary education (1 year after secondary cycle) 4 = Normal School - middle education (2 years after secondary cycle) 5 = Bachelor or equivalent (1st university cycle) 6 = Master or Doctorate |
| Lithuania | SQSS-08 | 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 (finish university) or vocational bachelor (finish college) degree 6 = Master's or Doctor degree |
| Malaysia | SQIS-08 | D | Nationally defined options: 1 = Lower secondary (PMR) 2 = Upper secondary education (SPM/STPM/matriculation) 3 = Certificate (skills) 4 = Diploma (tertiary) 5 = Bachelor's 6 = Master's or PhD |

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| Malta | SQSS-08 | D | <p>National options recoded for international comparability:</p> <p>1 = Secondary education and achieve four or less Secondary Education Certificate (SEC) examination passes at Grade 1-7</p> <p>2 = Secondary education and achieve five or more Secondary Education Certificate (SEC) examinations at Grade 1-7 / Upper-secondary education and achieve a MATSEC Certificate</p> <p>3 = VET National Diploma or equivalent</p> <p>4 = Undergraduate Certificate or Diploma or VET Higher National Diploma Level or equivalent</p> <p>5 = Bachelors level or equivalent</p> <p>6 = Masters, Doctorate level or equivalent</p> |
| Morocco | SQSS-08 | 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> |
| New Zealand | SQIS-08 | D | <p>National option 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 | SQIS-08 | 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 (not university or university college)</p> <p>4 = Short education at 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 or Doctoral degree</p> |
| Norway (Grade 8) | SQIS-08 | 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 (not university or university college)</p> <p>4 = Short education at 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 or Doctoral degree</p> |
| Oman | SQIS-08 | 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> |

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| Qatar | SQIS-08 | D | National options recoded for international comparability: 1 = Preparatory education 2 = Secondary education 3 = Diploma 4 = Option not administered or data not available 5 = Bachelor's degree or equivalent level 6 = Post-graduate degree |
| Russian Federation | SQSS-08 | D | National options recoded for international comparability: 1 = Basic general education (9 grades) 2 = Secondary general education (11 grades) 3 = Initial vocational education 4 = Option not administered or data not available 5 = Higher education: Bachelor or equivalent (three years or more) 6 = Higher education: Master or equivalent (five years or more), second university degree; candidate or Doctor degree |
| Saudi Arabia | SQIS-08 | 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 Doctorate |
| Singapore | SQIS-08 | D | Nationally defined options: 1 = Lower secondary 2 = Upper secondary 3 = Post-secondary, non-tertiary (e.g., JC, CI, ITE) 4 = Polytechnic 5 = University Bachelor's degree 6 = Master's or Doctoral (e.g., PhD) degree |
| Slovenia | SQSS-08 | D | Nationally defined options: 1 = I want to finish primary school and get a job 2 = I want to finish upper secondary school and get a job 3 = I want to finish upper secondary school and post-secondary, non-tertiary education (high school) and get a job 4 = I want to finish secondary school, vocational study at high school (3 years) and get a job 5 = I want to finish gymnasia with the general Matura first and first degree study at university (3 years) and get a job 6 = I want to finish second degree study at the University (5 years) and also the Doctorate of science |
| South Africa | SQIS-08 | D | National options recoded for international comparability: 1 = Grade 9 2 = Grade 12 3 = Post-matric certificate 4 = Diploma 5 = First degree / Honours 6 = Master's degree or Doctoral degree |
| Sweden | SQSS-08 | 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's degree 3 years) 6 = University or university college degree (e.g., Master's degree 4-5 years) or Postgraduate education |

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| Thailand | SQIS-08 | D | National options recoded for international comparability: 1 = Lower secondary education 2 = Upper secondary education 3 = Post-secondary, non-tertiary education 4 = Option not administered or data not available 5 = Bachelor's or equivalent level 6 = Graduate degree (Master's or PhD) |
| Turkey | SQIS-08 | D | National options recoded for international comparability: 1 = Secondary school 2 = High school 3 = Option not administered or data not available 4 = Two years college 5 = University (4 years) 6 = Master of Science or Doctorate |
| UAE, Abu Dhabi | SQIS-08 | D | Nationally defined options: 1 = Some secondary school 2 = Secondary school 3 = Training certificate, apprenticeship, or traineeship 4 = College diploma 5 = Bachelor's or equivalent 6 = Master's or Doctor (e.g., Master of Arts, PhD) |
| UAE, Dubai | SQIS-08 | D | Nationally defined options: 1 = Some secondary school 2 = Secondary school 3 = Training certificate, apprenticeship, or traineeship 4 = College diploma 5 = Bachelor's or equivalent 6 = Master's or Doctor (e.g., Master of Arts, PhD) |
| United Arab Emirates | SQIS-08 | D | Nationally defined options: 1 = Some secondary school 2 = Secondary school 3 = Training certificate, apprenticeship, or traineeship 4 = College diploma 5 = Bachelor's or equivalent 6 = Master's or Doctor (e.g., Master of Arts, PhD) |
| United States | SQIS-08 | 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) or Doctorate (Ph.D. or Ed.D.) |
| USA, Florida | SQIS-08 | 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) or Doctorate (Ph.D. or Ed.D.) |

SQIS-09A / SQSS-09A

Question:

Was your mother (or stepmother or female guardian) born in <country>?

1 = Yes

2 = No

3 = I don't know

Variable Name(s): BSBG09A

| Country | Item ID | Code | Documentation |
|---------------|----------|------|--|
| United States | SQIS-09A | D | Stem of the question changed: Was your mother (or stepmother or female legal guardian) born in the United States? ("United States" includes the 50 states, its territories, the District of Columbia, and U.S. military bases abroad) |
| USA, Florida | SQIS-09A | D | Stem of the question changed: Was your mother (or stepmother or female legal guardian) born in the United States? ("United States" includes the 50 states, its territories, the District of Columbia, and U.S. military bases abroad) |

SQIS-09B / SQSS-09B

Question:

Was your father (or stepfather or male guardian) born in <country>?

1 = Yes

2 = No

3 = I don't know

Variable Name(s): BSBG09B

| Country | Item ID | Code | Documentation |
|---------------|----------|------|--|
| United States | SQIS-09B | D | Stem of the question changed: Was your father (or stepfather or male legal guardian) born in the United States? ("United States" includes the 50 states, its territories, the District of Columbia, and U.S. military bases abroad) |
| USA, Florida | SQIS-09B | D | Stem of the question changed: Was your father (or stepfather or male legal guardian) born in the United States? ("United States" includes the 50 states, its territories, the District of Columbia, and U.S. military bases abroad) |

SQIS-11 / SQSS-11**Question:**

About how often are you absent from school?

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

Variable Name(s): BSBG11

| Country | Item ID | Code | Documentation |
|-------------|---------|------|--|
| Lithuania | SQSS-11 | D | Nationally defined options: 1 = Once a week or more 2 = Once every two weeks 3 = Once a month 4 = I go to school always or almost always |
| New Zealand | SQIS-11 | X | Question not administered or data not available |

SQIS-14A-F / SQSS-14A-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
- F: Find information, articles, or tutorials to aid in understanding science

- 1 = Yes
- 2 = No

Variable Name(s): BSBG14A, BSBG14B, BSBG14C, BSBG14D, BSBG14E, BSBG14F

| Country | Item ID | Code | Documentation |
|---------|------------|------|--|
| Kuwait | SQIS-14A-F | X | Option not administered or data not available for Arabic questionnaire (ITLANG = 53) |

SQIS-16A-I / SQSS-16A-I

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: Hit or hurt me (e.g., shoving, hitting, kicking)
- F: Made me do things I didn't want to do
- G: Shared embarrassing information about me
- H: Posted embarrassing things about me online
- I: 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): BSBG16A, BSBG16B, BSBG16C, BSBG16D, BSBG16E, BSBG16F, BSBG16G, BSBG16H, BSBG16I

| Country | Item ID | Code | Documentation |
|---------|------------|------|---|
| Israel | SQIS-16A-I | X | Option not administered or data not available |

SQIS-20A-I / SQSS-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 | SQIS-20C | D | My ideal school |
| Egypt | SQIS-20C | D | Faculty |
| Malta | SQSS-20C | D | University or an equivalent vocational institution |
| New Zealand | SQIS-20C | D | University, polytechnic, or other tertiary institute |
| Norway | SQIS-20C | D | Education of my choice |
| Norway (Grade 8) | SQIS-20C | D | Education of my choice |
| Slovenia | SQSS-20C | D | Secondary school or gymnasium |

SQSS-21

Question:

Are you studying biology in school this year?

1 = Yes

2 = No

Variable Name(s): BSBB21

| Country | Item ID | Code | Documentation |
|-----------|---------|------|--|
| Lebanon | SQSS-21 | D | Stem of the question changed: Are you studying Life and Earth Sciences (L.E.S) in school this year? |
| Lithuania | SQSS-21 | D | Gang punched to "Yes" |

SQSS-22A-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): BSBB22A, BSBB22B, BSBB22C, BSBB22D, BSBB22E, BSBB22F, BSBB22G, BSBB22H, BSBB22I

| Country | Item ID | Code | Documentation |
|---------|------------|------|---|
| Lebanon | SQSS-22A-I | D | Stem of the question changed: How much do you agree with these statements about learning Life and Earth Sciences (L.E.S)? Biology replaced with Life and Earth Sciences (L.E.S) for all the options |

SQIS-24A-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): BSBS24A, BSBS24B, BSBS24C, BSBS24D, BSBS24E, BSBS24F, BSBS24G, BSBS24H, BSBS24I

| Country | Item ID | Code | Documentation |
|------------------|----------|------|--|
| Chinese Taipei | SQIS-24C | D | My ideal school |
| Egypt | SQIS-24C | D | Faculty |
| New Zealand | SQIS-24C | D | University, polytechnic, or other tertiary institute |
| Norway | SQIS-24C | D | Education of my choice |
| Norway (Grade 8) | SQIS-24C | D | Education of my choice |

SQSS-25

Question:

Are you studying earth science in school this year?

- 1 = Yes
 2 = No

Variable Name(s): BSBE25

| Country | Item ID | Code | Documentation |
|-----------|---------|------|---|
| Lebanon | SQSS-25 | X | Question not administered or data not available |
| Lithuania | SQSS-25 | D | Gang punched to "Yes" |
| Sweden | SQSS-25 | X | Question not administered or data not available |

SQSS-26A-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): BSBE26A, BSBE26B, BSBE26C, BSBE26D, BSBE26E, BSBE26F, BSBE26G, BSBE26H, BSBE26I

| Country | Item ID | Code | Documentation |
|---------|------------|------|---|
| Lebanon | SQSS-26A-I | X | Question not administered or data not available |
| Sweden | SQSS-26A-I | X | Question not administered or data not available |

SQSS-27A-J

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: I am interested in what my teacher says
- D: My teacher gives me interesting things to do
- E: My teacher has clear answers to my questions
- F: My teacher is good at explaining earth science
- G: My teacher lets me show what I have learned
- H: My teacher does a variety of things to help us learn
- I: My teacher tells me how to do better when I make a mistake
- J: My teacher listens to what I have to say

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

Variable Name(s): BSBE27A, BSBE27B, BSBE27C, BSBE27D, BSBE27E, BSBE27F, BSBE27G, BSBE27H, BSBE27I, BSBE27J

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

SQSS-28A-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): BSBE28A, BSBE28B, BSBE28C, BSBE28D, BSBE28E, BSBE28F, BSBE28G, BSBE28H

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

SQSS-29

Question:

Are you studying chemistry in school this year?

- 1 = Yes
 2 = No

Variable Name(s): BSBC29

| Country | Item ID | Code | Documentation |
|-----------|---------|------|-----------------------|
| Lithuania | SQSS-29 | D | Gang punched to "Yes" |

SQSS-33

Question:

Are you studying physics in school this year?

- 1 = Yes
 2 = No

Variable Name(s): BSBP33

| Country | Item ID | Code | Documentation |
|-----------|---------|------|-----------------------|
| Lithuania | SQSS-33 | D | Gang punched to "Yes" |

SQSS-37A-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): BSBS37A, BSBS37B, BSBS37C, BSBS37D, BSBS37E, BSBS37F, BSBS37G, BSBS37H, BSBS37I

| Country | Item ID | Code | Documentation |
|----------|----------|------|---|
| Malta | SQSS-37C | D | University or equivalent vocational institution |
| Slovenia | SQSS-37C | D | Secondary school or gymnasium |

SQSS-38AA-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): BSBM38AA, BSBB38AB, BSBE38AC, BSBC38AD, BSBP38AE

| Country | Item ID | Code | Documentation |
|---------|-----------|------|---|
| Lebanon | SQSS-38AB | D | Life and Earth Sciences (L.E.S) |
| Lebanon | SQSS-38AC | X | Option not administered or data not available |
| Sweden | SQSS-38AC | X | Option not administered or data not available |

SQSS-38BA-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): BSBM38BA, BSBB38BB, BSBE38BC, BSBC38BD, BSBP38BE

| Country | Item ID | Code | Documentation |
|---------|-----------|------|---|
| Lebanon | SQSS-38BB | D | Life and Earth Sciences (L.E.S) |
| Lebanon | SQSS-38BC | X | Option not administered or data not available |
| Sweden | SQSS-38BC | X | Option not administered or data not available |

SQSS-39AA-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): BSBM39AA, BSBS39AB

| Country | Item ID | Code | Documentation |
|--------------------|-----------|------|---|
| Russian Federation | SQSS-39AB | D | Biology / Earth Science / Chemistry / Physics |

SECTION 6:
EIGHTH GRADE –
MATHEMATICS TEACHER
QUESTIONNAIRE

TIMSS 2015 USER GUIDE FOR THE
INTERNATIONAL DATABASE



IEA

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> (If you have not completed <post-secondary or tertiary education>, go to #6)

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 |
|-------------------|---------|------|---|
| ARG, Buenos Aires | TQG-04 | D | Nationally defined options: 1 = Did not complete secondary education 2 = Secondary education 3 = Post-secondary, non-tertiary education 4 = Short cycle tertiary education 5 = Bachelor's or equivalent 6 = Master's or equivalent 7 = Doctor or equivalent |
| 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 | Nationally defined options: 1 = Did not complete secondary education 2 = Secondary education 3 = Diploma 4 = Postgraduate diploma 5 = Bachelor's 6 = Master's 7 = PhD |
| Botswana | TQG-04 | D | Nationally defined options: 1 = Did not complete senior secondary 2 = Senior secondary 3 = Vocational or technical certificate 4 = Diploma 5 = First degree 6 = Master's degree 7 = Higher than Master's degree |

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|----------------|--------|---|---|
| CAN, Ontario | TQG-04 | D | Nationally defined options: 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 |
| CAN, Quebec | TQG-04 | D | Nationally defined options: 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 |
| Canada | TQG-04 | D | Nationally defined options: 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 | 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 = Program in a vocational education center / Professional education center 5 = Program in a university 6 = Master's degree 7 = PhD |
| Chinese Taipei | TQG-04 | D | National options recoded for international comparability: 1 = Did not finish the senior high school or the 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 = Finish two-year college of technology or four-year college of technology program / University program 6 = Master program 7 = Ph.D. program |
| Egypt | TQG-04 | D | Nationally defined options: 1 = Didn't finished secondary education 2 = Secondary education 3 = Post-secondary education, intermediate institutes, non-higher education 4 = Intermediate institutes of higher education 5 = Bachelor's degree or equivalent 6 = Master's degree or equivalent 7 = Doctor's degree or equivalent |

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|-----------------------|--------|---|--|
| England | TQG-04 | D | <p>Nationally defined options:</p> <p>1 = Did not complete lower secondary school up to the age of 14</p> <p>2 = AS, A level or equivalent qualifications, e.g., NVQ at Level 3 or GNVQ</p> <p>3 = Higher Education Access Course</p> <p>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</p> <p>5 = University degree (e.g., BA, BSc, BEd)</p> <p>6 = Masters Degree</p> <p>7 = Doctorate or higher degree (e.g., MPhil, PhD)</p> |
| Georgia | TQG-04 | D | <p>Nationally defined options:</p> <p>1 = Did not complete General Education (before Grade 10-11)</p> <p>2 = Secondary level of General Education (Grade 10-11)</p> <p>3 = Vocational school</p> <p>4 = Higher vocational school</p> <p>5 = First degree higher education (4-year, 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 (such as Candidate Doctor's or Doctor's)</p> |
| Hong Kong SAR | TQG-04 | D | <p>Nationally defined options:</p> <p>1 = Did not complete senior secondary education</p> <p>2 = Senior secondary education</p> <p>3 = Vocational training after senior secondary education</p> <p>4 = Completed a Certificate in Education (awarded by the Institute of Education or former Colleges of Education), diploma, or an associate degree</p> <p>5 = Bachelor's degree</p> <p>6 = Master's degree</p> <p>7 = Doctoral degree</p> |
| Hungary | TQG-04 | D | <p>Nationally defined options:</p> <p>1 = I did not complete upper secondary education</p> <p>2 = Upper secondary education mature</p> <p>3 = Vocational programs (usually two years) 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</p> <p>7 = Higher than university or university MA level (e.g., PhD, University post-graduate program)</p> |
| Iran, Islamic Rep. of | 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 = Associated 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> |
| Ireland | TQG-04 | D | <p>Nationally defined options:</p> <p>1 = Did not complete Leaving Certificate</p> <p>2 = Leaving Certificate</p> <p>3 = PLC course or similar</p> <p>4 = Third-level Certificate or Diploma</p> <p>5 = University degree (e.g., Bachelor's)</p> <p>6 = Master's or equivalent</p> <p>7 = Doctorate or equivalent</p> |

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|----------------|--------|---|--|
| Israel | TQG-04 | D | Nationally defined options: 1 = Did not complete 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 | Nationally defined options: 1 = Did not complete upper secondary education 2 = Upper secondary education 3 = Post-secondary degree, non-tertiary education 4 = Tertiary education level I 5 = Tertiary education level II 6 = Master's or equivalent level 7 = Doctor or equivalent level |
| Japan | TQG-04 | D | Nationally defined options: 1 = Did not complete 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 7 = Doctoral programs of graduate school |
| Jordan | TQG-04 | D | Nationally defined options: 1 = Did not complete secondary education 2 = Secondary education 3 = Post-secondary education (vocational centers) 4 = Short-cycle tertiary education (community college diploma) 5 = Bachelor's or equivalent 6 = Master's or equivalent 7 = Doctor or equivalent |
| Kazakhstan | TQG-04 | D | National options recoded for international comparability: 1 = Did not complete general secondary education 2 = General secondary education 3 = Technical and Vocational Education / Post-secondary education 4 = Option not administered or data not available 5 = Higher education (Bachelor degree) 6 = Postgraduate education (Graduate School or Master degree) 7 = Doctorate (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 = Two-year or three-year college 5 = Four-year university 6 = Graduate school for Master's degree 7 = Graduate school for Doctoral degree |

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|-----------|--------|---|---|
| Kuwait | TQG-04 | D | Nationally defined options: 1 = Did not complete secondary level 2 = Secondary level 3 = Pre-university education (e.g., diploma) 4 = Technical or applied 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 - primary education (1 year after secondary cycle) 4 = Normal School - middle education (2 years after secondary cycle) 5 = Bachelor or equivalent (1st university cycle) 6 = Master's or equivalent 7 = Doctor or equivalent |
| Lithuania | TQG-04 | D | Nationally defined options: 1 = Not completed secondary 2 = Secondary 3 = Vocational (already having secondary education) 4 = Finished further education school, technical school 5 = Bachelor's (finish university) or vocational bachelor (finish college) 6 = Master's or higher degree 7 = Doctor's or higher degree |
| Malaysia | TQG-04 | D | Nationally defined options: 1 = Did not complete upper secondary education 2 = Upper secondary education (SPM/STPM/matriculation) 3 = Certificate (skills) 4 = Diploma (tertiary) 5 = Bachelor's 6 = Master's 7 = PhD |
| Malta | TQG-04 | D | Nationally defined options: 1 = Did not complete upper secondary education/MATSEC Certificate or equivalent 2 = Upper secondary education/MATSEC Certificate or equivalent 3 = VET National Diploma Level or equivalent 4 = Undergraduate Certificate or Diploma or VET Higher National Diploma Level or equivalent 5 = Bachelor's Degree, VET Degree or equivalent level 6 = Master's or equivalent level 7 = Doctorate or equivalent level |
| Morocco | TQG-04 | D | Nationally defined options: 1 = Did not complete upper secondary education 2 = Upper secondary education 3 = Preparatory classes (for entry to engineering schools) 4 = Diploma of university studies 5 = Bachelor's degree or equivalent 6 = Master's degree 7 = Doctorate |

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|--------------------|--------|---|---|
| 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, Post-graduate diploma, or Master's degree</p> <p>7 = PhD</p> |
| Norway | TQG-04 | D | <p>Nationally defined options:</p> <p>1 = Did not complete secondary school</p> <p>2 = Upper secondary school</p> <p>3 = Education beyond upper secondary school (not university or university college)</p> <p>4 = University or university college, less than 3 years</p> <p>5 = Bachelor's or equivalent</p> <p>6 = Master's or equivalent</p> <p>7 = Doctor or equivalent</p> |
| Norway (Grade 8) | TQG-04 | D | <p>Nationally defined options:</p> <p>1 = Did not complete secondary school</p> <p>2 = Upper secondary school</p> <p>3 = Education beyond upper secondary school (not university or university college)</p> <p>4 = University or university college, less than 3 years</p> <p>5 = Bachelor's or equivalent</p> <p>6 = Master's or equivalent</p> <p>7 = Doctor or equivalent</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 = 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> |
| Qatar | 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 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 basis 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> |

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|--------------|--------|---|---|
| Saudi Arabia | 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 |
| Singapore | TQG-04 | D | Nationally defined options: 1 = Did not complete upper secondary 2 = Upper secondary 3 = Post-secondary, non-tertiary (e.g., JC, CI, ITE) 4 = Polytechnic 5 = University Bachelor's degree 6 = Master's degree 7 = Doctoral (e.g., PhD) degree |
| Slovenia | TQG-04 | D | Nationally defined options: 1 = Did not complete upper secondary education 2 = Upper secondary education 3 = Post-secondary, non-tertiary education (high school) 4 = Short-cycle tertiary education (2-year old study programs, also teacher college or vocational oriented study) 5 = University study of the first Bologna degree 6 = University 4 year study (old programs) or university study of the second Bologna degree or master of science 7 = Doctorate of science |
| South Africa | TQG-04 | D | National options recoded for international comparability: 1 = Did not complete Grade 12 2 = Grade 12 3 = Post-matric certificate 4 = Diploma 5 = First degree / Honours degree 6 = Master's degree 7 = Doctoral degree |
| Sweden | TQG-04 | D | Nationally defined options: 1 = Did not complete secondary 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's degree) 6 = University or university college degree (e.g., Master's degree) 7 = Postgraduate education (e.g., licentiate or PhD degree) |
| Thailand | TQG-04 | D | National options recoded for international comparability: 1 = Did not complete upper secondary education 2 = Upper secondary education or equivalent 3 = Post-secondary, non-tertiary education 4 = Option not administered or data not available 5 = Bachelor's or equivalent level 6 = Master's or equivalent level 7 = Doctor or equivalent level |

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|----------------------|--------|---|--|
| Turkey | 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 = Associate Degree (2 years college)</p> <p>5 = Bachelor of Science (4 years)</p> <p>6 = Master of Science</p> <p>7 = Doctorate</p> |
| UAE, Abu Dhabi | TQG-04 | D | <p>Nationally defined options:</p> <p>1 = Did not complete secondary school</p> <p>2 = Secondary school</p> <p>3 = Teacher training certificate, apprenticeship, or traineeship</p> <p>4 = College diploma</p> <p>5 = Bachelor's or equivalent</p> <p>6 = Master's or equivalent (e.g., Master's of arts degree, M.Sc)</p> <p>7 = Doctor or equivalent level</p> |
| UAE, Dubai | TQG-04 | D | <p>Nationally defined options:</p> <p>1 = Did not complete secondary school</p> <p>2 = Secondary school</p> <p>3 = Teacher training certificate, apprenticeship, or traineeship</p> <p>4 = College diploma</p> <p>5 = Bachelor's or equivalent</p> <p>6 = Master's or equivalent (e.g., Master's of arts degree, M.Sc)</p> <p>7 = Doctor or equivalent level</p> |
| United Arab Emirates | TQG-04 | D | <p>Nationally defined options:</p> <p>1 = Did not complete secondary school</p> <p>2 = Secondary school</p> <p>3 = Teacher training certificate, apprenticeship, or traineeship</p> <p>4 = College diploma</p> <p>5 = Bachelor's or equivalent</p> <p>6 = Master's or equivalent (e.g., Master's of arts degree, M.Sc)</p> <p>7 = Doctor or equivalent level</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. or Ed.D.)</p> |
| USA, Florida | 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. 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 |
|----------------|-----------|------|---|
| Botswana | TQG-05E | X | Option not administered or data not available |
| Chile | TQG-05A-I | D | Bachelor's education |
| Chile | TQG-05E | D | Earth Science or Geosciences |
| England | TQG-05E | D | Earth Science, including Environmental Science and Land Studies |
| Georgia | TQG-05E | D | Earth Science (physical geography) |
| Hong Kong SAR | TQG-05E | D | Earth Science or Geography |
| Hungary | TQG-05G | D | 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 |
| Italy | TQG-05I | X | Option not administered or data not available |
| Kazakhstan | TQG-05E | D | Geography |
| Korea, Rep. of | TQG-05A-I | D | Stem of the question changed: What was your major of the study degree? |
| Kuwait | TQG-05E | D | Geology |
| Lebanon | TQG-05B | D | Life and Earth Sciences |
| Lebanon | TQG-05E | X | Option not administered or data not available |
| Lithuania | TQG-05E | D | Geography |
| Malta | TQG-05A-I | D | Tertiary |
| Morocco | TQG-05E | D | Geology |
| New Zealand | TQG-05B | D | Biology (including Botany, Zoology) |
| New Zealand | TQG-05E | D | Geology, Physical Geography, Earth Science |

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|----------------------|-----------|---|--|
| Norway | TQG-05A-I | D | Stem of the question changed: In what subjects do you have 20 "credits" or more from university or university college? (20 "credits" = 60 ECT points = 1 year fulltime study) |
| Norway | TQG-05E | D | Geology and related subjects |
| Norway (Grade 8) | TQG-05A-I | D | Stem of the question changed: In what subjects do you have 20 "credits" or more from university or university college? (20 "credits" = 60 ECT points = 1 year fulltime study) |
| Norway (Grade 8) | TQG-05E | D | Geology and related subjects |
| Russian Federation | TQG-05A-I | D | Stem of the question changed: What were your major or main areas of your professional education? |
| Russian Federation | TQG-05E | D | Geography |
| Singapore | TQG-05E | D | Geography |
| Slovenia | TQG-05A-I | D | University |
| Slovenia | TQG-05E | D | Geography |
| South Africa | TQG-05A-I | D | Tertiary |
| South Africa | TQG-05E | D | Earth or Environmental Science |
| South Africa | TQG-05I | D | Language, Reading, Other |
| Sweden | TQG-05E | D | Physical geography or Geo Science |
| Thailand | TQG-05E | D | Earth Astronomy and Space Science |
| Turkey | TQG-05A-I | D | Stem of the question changed: In which areas of higher education are you trained? |
| UAE, Abu Dhabi | TQG-05E | D | Earth Science (e.g., Geography, Geology) |
| UAE, Dubai | TQG-05E | D | Earth Science (e.g., Geography, Geology) |
| United Arab Emirates | TQG-05E | D | Earth Science (e.g., Geography, Geology) |
| United States | TQG-05A-I | D | College or university |
| USA, Florida | TQG-05A-I | D | College or university |

TQM-13**Question:**

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

Variable Name(s): BTBM13

| Country | Item ID | Code | Documentation |
|---------|---------|------|---------------|
|---------|---------|------|---------------|

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|-----------|--------|---|------------------------------|
| Lithuania | TQM-13 | D | The language they are taught |
|-----------|--------|---|------------------------------|

TQM-14A-G

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: Ask students to complete challenging exercises that require them to go beyond the instruction
- D: Encourage classroom discussions among students
- E: Link new content to students' prior knowledge
- F: Ask students to decide their own problem solving procedures
- G: 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): BTBM14A, BTBM14B, BTBM14C, BTBM14D, BTBM14E, BTBM14F, BTBM14G

| Country | Item ID | Code | Documentation |
|---------|---------|------|---|
| Japan | TQM-14G | X | Option not administered or data not available |

TQM-15A-G

Question:

In your view, to what extent do the following limit how you teach this class?

- A: Students lacking prerequisite knowledge or skills
- B: Students suffering from lack of basic nutrition
- C: Students suffering from not enough sleep
- D: Disruptive students
- E: Uninterested students
- F: Students with physical disabilities
- G: Students with mental, emotional, or psychological disabilities

1 = Not at all

2 = Some

3 = A lot

Variable Name(s): BTBM15A, BTBM15B, BTBM15C, BTBM15D, BTBM15E, BTBM15F, BTBM15G

| Country | Item ID | Code | Documentation |
|------------|---------|------|--|
| Kazakhstan | TQM-15G | D | Students with intellectual or psychological disabilities |

TQM-21AA-AE**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."

- A: Computing with whole numbers
- B: Comparing and ordering rational numbers
- C: Computing with rational numbers (fractions, decimals, and integers)
- D: Concepts of irrational numbers
- E: Problem solving involving percents or proportions

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

Variable Name(s): BTBM21AA, BTBM21AB, BTBM21AC, BTBM21AD, BTBM21AE

| Country | Item ID | Code | Documentation |
|--------------------|-------------|------|---|
| Russian Federation | TQM-21AA-AE | X | Option not administered or data not available |

TQM-21BA-BF**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."

- A: Simplifying and evaluating algebraic expressions
- B: Simple linear equations and inequalities
- C: Simultaneous (two variables) equations
- D: Numeric, algebraic, and geometric patterns or sequences (extension, missing terms, generalization of patterns)
- E: Representation of functions as ordered pairs, tables, graphs, words, or equations
- F: Properties of functions (slopes, intercepts, etc.)

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

Variable Name(s): BTBM21BA, BTBM21BB, BTBM21BC, BTBM21BD, BTBM21BE, BTBM21BF

| Country | Item ID | Code | Documentation |
|--------------------|-------------|------|---|
| Russian Federation | TQM-21BA-BF | X | Option not administered or data not available |

TQM-21CA-CF**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."

- A: Geometric properties of angles and geometric shapes (triangles, quadrilaterals, and other common polygons)
- B: Congruent figures and similar triangles
- C: Relationship between three-dimensional shapes and their two-dimensional representations
- D: Using appropriate measurement formulas for perimeters, circumferences, areas, surface areas, and volumes
- E: Points on the Cartesian plane
- F: Translation, reflection, and rotation

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

Variable Name(s): BTBM21CA, BTBM21CB, BTBM21CC, BTBM21CD, BTBM21CE, BTBM21CF

| Country | Item ID | Code | Documentation |
|--------------------|-------------|------|---|
| Russian Federation | TQM-21CA-CF | X | Option not administered or data not available |

TQM-21DA-DC**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."

- A: Characteristics of data sets (mean, median, mode, and shape of distributions)
- B: Interpreting data sets (e.g., draw conclusions, make predictions, and estimate values between and beyond given data points)
- C: Judging, predicting, and determining the chances of possible outcomes

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

Variable Name(s): BTBM21DA, BTBM21DB, BTBM21DC

| Country | Item ID | Code | Documentation |
|--------------------|-------------|------|---|
| Russian Federation | TQM-21DA-DC | X | Option not administered or data not available |

TQM-25

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): BTBM25

| Country | Item ID | Code | Documentation |
|------------------|---------|------|---|
| England | TQM-25 | D | Stem of the question changed: In the past two years, how many hours in total have you spent in formal INSET/CPD (e.g., workshops, seminars, etc.) for maths? |
| Norway | TQM-25 | D | Stem of the question changed: How many hours total have you spent participating in courses or seminars in mathematics during the last two years? |
| Norway (Grade 8) | TQM-25 | D | Stem of the question changed: How many hours total have you spent participating in courses or seminars in mathematics during the last two years? |

TQM-26AA-AE

Question:

How well prepared do you feel you are to teach the following mathematics topics?
If a topic is not in the <eighth grade> curriculum or you are not responsible for teaching this topic, please choose "Not applicable."

- A: Computing with whole numbers
- B: Comparing and ordering rational numbers
- C: Computing with rational numbers (fractions, decimals, and integers)
- D: Concepts of irrational numbers
- E: Problem solving involving percents or proportions

- 1 = Not applicable
- 2 = Very well prepared
- 3 = Somewhat prepared
- 4 = Not well prepared

Variable Name(s): BTBM26AA, BTBM26AB, BTBM26AC, BTBM26AD, BTBM26AE

| Country | Item ID | Code | Documentation |
|--------------------|-------------|------|---|
| Russian Federation | TQM-26AA-AE | X | Option not administered or data not available |

TQM-26BA-BF**Question:**

How well prepared do you feel you are to teach the following mathematics topics? □

If a topic is not in the <eighth grade> curriculum or you are not responsible for teaching this topic, please choose "Not applicable."

A: Simplifying and evaluating algebraic expressions

B: Simple linear equations and inequalities

C: Simultaneous (two variables) equations

D: Numeric, algebraic, and geometric patterns or sequences (extension, missing terms, generalization of patterns)

E: Representation of functions as ordered pairs, tables, graphs, words, or equations

F: Properties of functions (slopes, intercepts, etc.)

1 = Not applicable

2 = Very well prepared

3 = Somewhat prepared

4 = Not well prepared

Variable Name(s): BTBM26BA, BTBM26BB, BTBM26BC, BTBM26BD, BTBM26BE, BTBM26BF

| Country | Item ID | Code | Documentation |
|--------------------|-------------|------|---|
| Russian Federation | TQM-26BA-BF | X | Option not administered or data not available |

TQM-26CA-CF**Question:**

How well prepared do you feel you are to teach the following mathematics topics? □

If a topic is not in the <eighth grade> curriculum or you are not responsible for teaching this topic, please choose "Not applicable."

A: Geometric properties of angles and geometric shapes (triangles, quadrilaterals, and other common polygons)

B: Congruent figures and similar triangles

C: Relationship between three-dimensional shapes and their two-dimensional representations

D: Using appropriate measurement formulas for perimeters, circumferences, areas, surface areas, and volumes

E: Points on the Cartesian plane

F: Translation, reflection, and rotation

1 = Not applicable

2 = Very well prepared

3 = Somewhat prepared

4 = Not well prepared

Variable Name(s): BTBM26CA, BTBM26CB, BTBM26CC, BTBM26CD, BTBM26CE, BTBM26CF

| Country | Item ID | Code | Documentation |
|--------------------|-------------|------|---|
| Russian Federation | TQM-26CA-CF | X | Option not administered or data not available |

TQM-26DA-DC

Question:

How well prepared do you feel you are to teach the following mathematics topics? ☐

If a topic is not in the <eighth grade> curriculum or you are not responsible for teaching this topic, please choose "Not applicable."

A: Characteristics of data sets (mean, median, mode, and shape of distributions)

B: Interpreting data sets (e.g., draw conclusions, make predictions, and estimate values between and beyond given data points)

C: Judging, predicting, and determining the chances of possible outcomes

1 = Not applicable

2 = Very well prepared

3 = Somewhat prepared

4 = Not well prepared

Variable Name(s): BTBM26DA, BTBM26DB, BTBM26DC

| Country | Item ID | Code | Documentation |
|--------------------|-------------|------|---|
| Russian Federation | TQM-26DA-DC | X | Option not administered or data not available |

SECTION 7:
EIGHTH GRADE –
SCIENCE TEACHER
QUESTIONNAIRE

TIMSS 2015 USER GUIDE FOR THE
INTERNATIONAL DATABASE



IEA

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> (If you have not completed <post-secondary or tertiary education>, go to #6)
 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 |
|-------------------|---------|------|---|
| ARG, Buenos Aires | TQG-04 | D | Nationally defined options: 1 = Did not complete secondary education 2 = Secondary education 3 = Post-secondary, non-tertiary education 4 = Short cycle tertiary education 5 = Bachelor's or equivalent 6 = Master's or equivalent 7 = Doctor or equivalent |
| 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 | Nationally defined options: 1 = Did not complete secondary education 2 = Secondary education 3 = Diploma 4 = Postgraduate diploma 5 = Bachelor's 6 = Master's 7 = PhD |
| Botswana | TQG-04 | D | Nationally defined options: 1 = Did not complete senior secondary 2 = Senior secondary 3 = Vocational or technical certificate 4 = Diploma 5 = First degree 6 = Master's degree 7 = Higher than Master's degree |

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|----------------|--------|---|---|
| CAN, Ontario | TQG-04 | D | Nationally defined options: 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 |
| CAN, Quebec | TQG-04 | D | Nationally defined options: 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 |
| Canada | TQG-04 | D | Nationally defined options: 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 | 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 = Program in a vocational education center / Professional education center 5 = Program in a university 6 = Master's degree 7 = PhD |
| Chinese Taipei | TQG-04 | D | National options recoded for international comparability: 1 = Did not finish the senior high school or the 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 = Finish two-year college of technology or four-year college of technology program / University program 6 = Master program 7 = Ph.D. program |
| Egypt | TQG-04 | D | Nationally defined options: 1 = Didn't finished secondary education 2 = Secondary education 3 = Post-secondary education, intermediate institutes, non-higher education 4 = Intermediate institutes of higher education 5 = Bachelor's degree or equivalent 6 = Master's degree or equivalent 7 = Doctor's degree or equivalent |

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| England | TQG-04 | D | <p>Nationally defined options:</p> <p>1 = Did not complete lower secondary school up to the age of 14</p> <p>2 = AS, A level or equivalent qualifications, e.g., NVQ at Level 3 or GNVQ</p> <p>3 = Higher Education Access Course</p> <p>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</p> <p>5 = University degree (e.g., BA, BSc, BEd)</p> <p>6 = Masters Degree</p> <p>7 = Doctorate or higher degree (e.g., MPhil, PhD)</p> |
| Georgia | TQG-04 | D | <p>Nationally defined options:</p> <p>1 = Did not complete General Education (before Grade 10-11)</p> <p>2 = Secondary level of General Education (Grade 10-11)</p> <p>3 = Vocational school</p> <p>4 = Higher vocational school</p> <p>5 = First degree higher education (4-year, 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 (such as Candidate Doctor's or Doctor's)</p> |
| Hong Kong SAR | TQG-04 | D | <p>Nationally defined options:</p> <p>1 = Did not complete senior secondary education</p> <p>2 = Senior secondary education</p> <p>3 = Vocational training after senior secondary education</p> <p>4 = Completed a Certificate in Education (awarded by the Institute of Education or former Colleges of Education), diploma, or an associate degree</p> <p>5 = Bachelor's degree</p> <p>6 = Master's degree</p> <p>7 = Doctoral degree</p> |
| Hungary | TQG-04 | D | <p>Nationally defined options:</p> <p>1 = I did not complete upper secondary education</p> <p>2 = Upper secondary education mature</p> <p>3 = Vocational programs (usually two years) 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</p> <p>7 = Higher than university or university MA level (e.g., PhD, University post-graduate program)</p> |
| Iran, Islamic Rep. of | 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 = Associated 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> |
| Ireland | TQG-04 | D | <p>Nationally defined options:</p> <p>1 = Did not complete Leaving Certificate</p> <p>2 = Leaving Certificate</p> <p>3 = PLC course or similar</p> <p>4 = Third-level Certificate or Diploma</p> <p>5 = University degree (e.g., Bachelor's)</p> <p>6 = Master's or equivalent</p> <p>7 = Doctorate or equivalent</p> |

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|----------------|--------|---|---|
| Israel | TQG-04 | D | <p>Nationally defined options:</p> <p>1 = Did not complete High-school</p> <p>2 = High-school</p> <p>3 = Preparatory program school (such as pre-academic preparatory program school)</p> <p>4 = Post-secondary post-certification studies (such as teacher's certificate not including B.Ed.)</p> <p>5 = Bachelor degree (such as B.A., B.Ed., B.Sc.)</p> <p>6 = Master degree</p> <p>7 = Doctor degree</p> |
| Italy | 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 degree, non-tertiary education</p> <p>4 = Tertiary education level I</p> <p>5 = Tertiary education level II</p> <p>6 = Master's or equivalent level</p> <p>7 = Doctor or equivalent level</p> |
| Japan | 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 = Advanced course of upper secondary school</p> <p>4 = Junior college, college of technology, or specialized training college (post-secondary course)</p> <p>5 = University or college</p> <p>6 = Master's programs of graduate school</p> <p>7 = Doctoral programs of graduate school</p> |
| Jordan | 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 education (vocational centers)</p> <p>4 = Short-cycle tertiary education (community college diploma)</p> <p>5 = Bachelor's or equivalent</p> <p>6 = Master's or equivalent</p> <p>7 = Doctor or equivalent</p> |
| Kazakhstan | TQG-04 | D | <p>National options recoded for international comparability:</p> <p>1 = Did not complete general secondary education</p> <p>2 = General secondary education</p> <p>3 = Technical and Vocational Education / Post-secondary education</p> <p>4 = Option not administered or data not available</p> <p>5 = Higher education (Bachelor degree)</p> <p>6 = Postgraduate education (Graduate School or Master degree)</p> <p>7 = Doctorate (PhD)</p> |
| Korea, Rep. of | TQG-04 | D | <p>National options recoded for international comparability:</p> <p>1 = Did not complete high school</p> <p>2 = High school</p> <p>3 = Option not administered or data not available</p> <p>4 = Two-year or three-year college</p> <p>5 = Four-year university</p> <p>6 = Graduate school for Master's degree</p> <p>7 = Graduate school for Doctoral degree</p> |

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|-----------|--------|---|---|
| Kuwait | TQG-04 | D | Nationally defined options: 1 = Did not complete secondary level 2 = Secondary level 3 = Pre-university education (e.g., diploma) 4 = Technical or applied 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 - primary education (1 year after secondary cycle) 4 = Normal School - middle education (2 years after secondary cycle) 5 = Bachelor or equivalent (1st university cycle) 6 = Master's or equivalent 7 = Doctor or equivalent |
| Lithuania | TQG-04 | D | Nationally defined options: 1 = Not completed secondary 2 = Secondary 3 = Vocational (already having secondary education) 4 = Finished further education school, technical school 5 = Bachelor's (finish university) or vocational bachelor (finish college) 6 = Master's or higher degree 7 = Doctor's or higher degree |
| Malaysia | TQG-04 | D | Nationally defined options: 1 = Did not complete upper secondary education 2 = Upper secondary education (SPM/STPM/matriculation) 3 = Certificate (skills) 4 = Diploma (tertiary) 5 = Bachelor's 6 = Master's 7 = PhD |
| Malta | TQG-04 | D | Nationally defined options: 1 = Did not complete upper secondary education/MATSEC Certificate or equivalent 2 = Upper secondary education/MATSEC Certificate or equivalent 3 = VET National Diploma Level or equivalent 4 = Undergraduate Certificate or Diploma or VET Higher National Diploma Level or equivalent 5 = Bachelor's Degree, VET Degree or equivalent level 6 = Master's or equivalent level 7 = Doctorate or equivalent level |
| Morocco | TQG-04 | D | Nationally defined options: 1 = Did not complete upper secondary education 2 = Upper secondary education 3 = Preparatory classes (for entry to engineering schools) 4 = Diploma of university studies 5 = Bachelor's degree or equivalent 6 = Master's degree 7 = Doctorate |

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|--------------------|--------|---|---|
| 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, Post-graduate diploma, or Master's degree</p> <p>7 = PhD</p> |
| Norway | TQG-04 | D | <p>Nationally defined options:</p> <p>1 = Did not complete secondary school</p> <p>2 = Upper secondary school</p> <p>3 = Education beyond upper secondary school (not university or university college)</p> <p>4 = University or university college, less than 3 years</p> <p>5 = Bachelor's or equivalent</p> <p>6 = Master's or equivalent</p> <p>7 = Doctor or equivalent</p> |
| Norway (Grade 8) | TQG-04 | D | <p>Nationally defined options:</p> <p>1 = Did not complete secondary school</p> <p>2 = Upper secondary school</p> <p>3 = Education beyond upper secondary school (not university or university college)</p> <p>4 = University or university college, less than 3 years</p> <p>5 = Bachelor's or equivalent</p> <p>6 = Master's or equivalent</p> <p>7 = Doctor or equivalent</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 = 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> |
| Qatar | 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 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 basis 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 | 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 |
| Singapore | TQG-04 | D | Nationally defined options: 1 = Did not complete upper secondary 2 = Upper secondary 3 = Post-secondary, non-tertiary (e.g., JC, CI, ITE) 4 = Polytechnic 5 = University Bachelor's degree 6 = Master's degree 7 = Doctoral (e.g., PhD) degree |
| Slovenia | TQG-04 | D | Nationally defined options: 1 = Did not complete upper secondary education 2 = Upper secondary education 3 = Post-secondary, non-tertiary education (high school) 4 = Short-cycle tertiary education (2-year old study programs, also teacher college or vocational oriented study) 5 = University study of the first Bologna degree 6 = University 4 year study (old programs) or university study of the second Bologna degree or master of science 7 = Doctorate of science |
| South Africa | TQG-04 | D | National options recoded for international comparability: 1 = Did not complete Grade 12 2 = Grade 12 3 = Post-matric certificate 4 = Diploma 5 = First degree / Honours degree 6 = Master's degree 7 = Doctoral degree |
| Sweden | TQG-04 | D | Nationally defined options: 1 = Did not complete secondary 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's degree) 6 = University or university college degree (e.g., Master's degree) 7 = Postgraduate education (e.g., licentiate or PhD degree) |
| Thailand | TQG-04 | D | National options recoded for international comparability: 1 = Did not complete upper secondary education 2 = Upper secondary education or equivalent 3 = Post-secondary, non-tertiary education 4 = Option not administered or data not available 5 = Bachelor's or equivalent level 6 = Master's or equivalent level 7 = Doctor or equivalent level |

| | | | |
|----------------------|--------|---|--|
| Turkey | 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 = Associate Degree (2 years college)</p> <p>5 = Bachelor of Science (4 years)</p> <p>6 = Master of Science</p> <p>7 = Doctorate</p> |
| UAE, Abu Dhabi | TQG-04 | D | <p>Nationally defined options:</p> <p>1 = Did not complete secondary school</p> <p>2 = Secondary school</p> <p>3 = Teacher training certificate, apprenticeship, or traineeship</p> <p>4 = College diploma</p> <p>5 = Bachelor's or equivalent</p> <p>6 = Master's or equivalent (e.g., Master's of arts degree, M.Sc)</p> <p>7 = Doctor or equivalent level</p> |
| UAE, Dubai | TQG-04 | D | <p>Nationally defined options:</p> <p>1 = Did not complete secondary school</p> <p>2 = Secondary school</p> <p>3 = Teacher training certificate, apprenticeship, or traineeship</p> <p>4 = College diploma</p> <p>5 = Bachelor's or equivalent</p> <p>6 = Master's or equivalent (e.g., Master's of arts degree, M.Sc)</p> <p>7 = Doctor or equivalent level</p> |
| United Arab Emirates | TQG-04 | D | <p>Nationally defined options:</p> <p>1 = Did not complete secondary school</p> <p>2 = Secondary school</p> <p>3 = Teacher training certificate, apprenticeship, or traineeship</p> <p>4 = College diploma</p> <p>5 = Bachelor's or equivalent</p> <p>6 = Master's or equivalent (e.g., Master's of arts degree, M.Sc)</p> <p>7 = Doctor or equivalent level</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. or Ed.D.)</p> |
| USA, Florida | 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. 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 |
|----------------|-----------|------|---|
| Botswana | TQG-05E | X | Option not administered or data not available |
| Chile | TQG-05A-I | D | Bachelor's education |
| Chile | TQG-05E | D | Earth Science or Geosciences |
| England | TQG-05E | D | Earth Science, including Environmental Science and Land Studies |
| Georgia | TQG-05E | D | Earth Science (physical geography) |
| Hong Kong SAR | TQG-05E | D | Earth Science or Geography |
| Hungary | TQG-05G | D | 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 |
| Italy | TQG-05I | X | Option not administered or data not available |
| Kazakhstan | TQG-05E | D | Geography |
| Korea, Rep. of | TQG-05A-I | D | Stem of the question changed: What was your major of the study degree? |
| Kuwait | TQG-05E | D | Geology |
| Lebanon | TQG-05B | D | Life and Earth Sciences |
| Lebanon | TQG-05E | X | Option not administered or data not available |
| Lithuania | TQG-05E | D | Geography |
| Malta | TQG-05A-I | D | Tertiary |
| Morocco | TQG-05E | D | Geology |
| 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 20 "credits" or more from university or university college? (20 "credits" = 60 ECT points = 1 year fulltime study) |
| Norway | TQG-05E | D | Geology and related subjects |
| Norway (Grade 8) | TQG-05A-I | D | Stem of the question changed: In what subjects do you have 20 "credits" or more from university or university college? (20 "credits" = 60 ECT points = 1 year fulltime study) |
| Norway (Grade 8) | TQG-05E | D | Geology and related subjects |
| Russian Federation | TQG-05A-I | D | Stem of the question changed: What were your major or main areas of your professional education? |
| Russian Federation | TQG-05E | D | Geography |
| Singapore | TQG-05E | D | Geography |
| Slovenia | TQG-05A-I | D | University |
| Slovenia | TQG-05E | D | Geography |
| South Africa | TQG-05A-I | D | Tertiary |
| South Africa | TQG-05E | D | Earth or Environmental Science |
| South Africa | TQG-05I | D | Language, Reading, Other |
| Sweden | TQG-05E | D | Physical geography or Geo Science |
| Thailand | TQG-05E | D | Earth Astronomy and Space Science |
| Turkey | TQG-05A-I | D | Stem of the question changed: In which areas of higher education are you trained? |
| UAE, Abu Dhabi | TQG-05E | D | Earth Science (e.g., Geography, Geology) |
| UAE, Dubai | TQG-05E | D | Earth Science (e.g., Geography, Geology) |
| United Arab Emirates | TQG-05E | D | Earth Science (e.g., Geography, Geology) |
| United States | TQG-05A-I | D | College or university |
| USA, Florida | TQG-05A-I | D | College or university |

TQS-13**Question:**

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

Variable Name(s): BTBS13

| Country | Item ID | Code | Documentation |
|---------|---------|------|---------------|
|---------|---------|------|---------------|

| | | | |
|-----------|--------|---|------------------------------|
| Lithuania | TQS-13 | D | The language they are taught |
|-----------|--------|---|------------------------------|

TQS-15A-G

Question:

In your view, to what extent do the following limit how you teach this class?

- A: Students lacking prerequisite knowledge or skills
- B: Students suffering from lack of basic nutrition
- C: Students suffering from not enough sleep
- D: Disruptive students
- E: Uninterested students
- F: Students with physical disabilities
- G: Students with mental, emotional, or psychological disabilities

- 1 = Not at all
- 2 = Some
- 3 = A lot

Variable Name(s): BTBS15A, BTBS15B, BTBS15C, BTBS15D, BTBS15E, BTBS15F, BTBS15G

| Country | Item ID | Code | Documentation |
|------------|---------|------|--|
| Kazakhstan | TQS-15G | D | Students with intellectual or psychological disabilities |

TQS-17A-J

Question:

In teaching science to this class, how would you characterize your confidence in doing the following?

- A: Inspiring students to learn science
- B: Explaining science concepts or principles by doing science experiments
- C: Providing challenging tasks for the highest achieving students
- D: Adapting my teaching to engage students' interest
- E: Helping students appreciate the value of learning science
- F: Assessing student comprehension of science
- G: Improving the understanding of struggling students
- H: Making science relevant to students
- I: Developing students' higher-order thinking skills
- J: Teaching science using inquiry methods

- 1 = Very high
- 2 = High
- 3 = Medium
- 4 = Low

Variable Name(s): BTBS17A, BTBS17B, BTBS17C, BTBS17D, BTBS17E, BTBS17F, BTBS17G, BTBS17H, BTBS17I, BTBS17J

| Country | Item ID | Code | Documentation |
|--------------------|-----------|------|---|
| Russian Federation | TQS-17A-J | D | <p>Stem of the question changed: How confident do you feel to do the following in teaching science to the tested class?</p> <p>Nationally defined options: 1 = Absolutely confident 2 = Very confident 3 = Confident 4 = Somewhat confident</p> |

TQS-20AA-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 <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.”

- A: Differences among major taxonomic groups of organisms (plants, animals, fungi, mammals, birds, reptiles, fish, amphibians)
- B: Major organs and organ systems in humans and other organisms (structure/function, life processes that maintain stable bodily conditions)
- C: Cells, their structure and functions, including respiration and photosynthesis as cellular processes
- D: Life cycles, sexual reproduction, and heredity (passing on of traits, inherited versus acquired/learned characteristics)
- E: Role of variation and adaptation in survival/extinction of species in a changing environment (including fossil evidence for changes in life on Earth over time)
- F: Interdependence of populations of organisms in an ecosystem (e.g., energy flow, food webs, competition, predation) and factors affecting population size in an ecosystem
- G: Human health (causes of infectious diseases, methods of infection, prevention, immunity) and the importance of diet and exercise in maintaining health

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

Variable Name(s): BTBS20AA, BTBS20AB, BTBS20AC, BTBS20AD, BTBS20AE, BTBS20AF, BTBS20AG

| Country | Item ID | Code | Documentation |
|--------------------|-------------|------|---|
| Russian Federation | TQS-20AA-AG | X | Option not administered or data not available |

TQS-20BA-BF

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.”

- A: Classification, composition, and particulate structure of matter (elements, compounds, mixtures, molecules, atoms, protons, neutrons, electrons)
- B: Physical and chemical properties of matter
- C: Mixtures and solutions (solvent, solute, concentration/dilution, effect of temperature on solubility)
- D: Properties and uses of common acids and bases
- E: Chemical change (transformation of reactants, evidence of chemical change, conservation of matter, common oxidation reactions – combustion, rusting, tarnishing)
- F: The role of electrons in chemical bonds

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

Variable Name(s): BTBS20BA, BTBS20BB, BTBS20BC, BTBS20BD, BTBS20BE, BTBS20BF

| Country | Item ID | Code | Documentation |
|--------------------|-------------|------|---|
| Russian Federation | TQS-20BA-BF | X | Option not administered or data not available |

TQS-20CA-CE

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.”

A: Physical states and changes in matter (explanations of properties in terms of movement and distance between particles; phase change, thermal expansion, and changes in volume and/or pressure)

B: Energy forms, transformations, heat, and temperature

C: Basic properties/behaviors of light (reflection, refraction, light and color, simple ray diagrams) and sound (transmission through media, loudness, pitch, amplitude, frequency)

D: Electric circuits (flow of current; types of circuits - parallel/series) and properties and uses of permanent magnets and electromagnets

E: Forces and motion (types of forces, basic description of motion, effects of density and pressure)

1 = Mostly taught before this year

2 = Mostly taught this year

3 = Not yet taught or just introduced

Variable Name(s): BTBS20CA, BTBS20CB, BTBS20CC, BTBS20CD, BTBS20CE

| Country | Item ID | Code | Documentation |
|--------------------|-------------|------|---|
| Russian Federation | TQS-20CA-CE | X | Option not administered or data not available |

TQS-20DA-DD

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.”

A: Earth's structure and physical features (Earth's crust, mantle, and core; composition and relative distribution of water, and composition of air)

B: Earth's processes, cycles, and history (rock cycle; water cycle; weather versus climate; major geological events; formation of fossils and fossil fuels)

C: Earth's resources, their use and conservation (e.g., renewable/nonrenewable resources, human use of land/soil, water resources)

D: Earth in the solar system and the universe (phenomena on Earth - day/night, tides, phases of moon, eclipses, seasons; physical features of Earth compared to other bodies)

1 = Mostly taught before this year

2 = Mostly taught this year

3 = Not yet taught or just introduced

Variable Name(s): BTBS20DA, BTBS20DB, BTBS20DC, BTBS20DD

| Country | Item ID | Code | Documentation |
|--------------------|-------------|------|---|
| Russian Federation | TQS-20DA-DD | X | Option not administered or data not available |

TQS-24

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): BTBS24

| Country | Item ID | Code | Documentation |
|------------------|---------|------|---|
| England | TQS-24 | D | Stem of the question changed: In the past two years, how many hours in total have you spent in formal INSET/CPD (e.g., workshops, seminars, etc.) for science? |
| Norway | TQS-24 | D | Stem of the question changed: How many hours total have you spent participating in courses or seminars in science during the last two years? |
| Norway (Grade 8) | TQS-24 | D | Stem of the question changed: How many hours total have you spent participating in courses or seminars in science during the last two years? |

TQS-25AA-AG

Question:

How well prepared do you feel you are to teach the following science topics? ☐

If a topic is not in the <eighth grade> curriculum or you are not responsible for teaching this topic, please choose "Not applicable."

A: Differences among major taxonomic groups of organisms (plants, animals, fungi, mammals, birds, reptiles, fish, amphibians)

B: Major organs and organ systems in humans and other organisms (structure/function, life processes that maintain stable bodily conditions)

C: Cells, their structure and functions, including respiration and photosynthesis as cellular processes

D: Life cycles, sexual reproduction, and heredity (passing on of traits, inherited versus acquired/learned characteristics)

E: Role of variation and adaptation in survival/extinction of species in a changing environment (including fossil evidence for changes in life on Earth over time)

F: Interdependence of populations of organisms in an ecosystem (e.g., energy flow, food webs, competition, predation) and factors affecting population size in an ecosystem

G: Human health (causes of infectious diseases, methods of infection, prevention, immunity) and the importance of diet and exercise in maintaining health

- 1 = Not applicable
2 = Very well prepared
3 = Somewhat prepared
4 = Not well prepared

Variable Name(s): BTBS25AA, BTBS25AB, BTBS25AC, BTBS25AD, BTBS25AE, BTBS25AF, BTBS25AG

| Country | Item ID | Code | Documentation |
|--------------------|-------------|------|---|
| Russian Federation | TQS-25AA-AG | X | Option not administered or data not available |

TQS-25BA-BF

Question:

How well prepared do you feel you are to teach the following science topics? ☐

If a topic is not in the <eighth grade> curriculum or you are not responsible for teaching this topic, please choose "Not applicable."

A: Classification, composition, and particulate structure of matter (elements, compounds, mixtures, molecules, atoms, protons, neutrons, electrons)

B: Physical and chemical properties of matter

C: Mixtures and solutions (solvent, solute, concentration/dilution, effect of temperature on solubility)

D: Properties and uses of common acids and bases

E: Chemical change (transformation of reactants, evidence of chemical change, conservation of matter, common oxidation reactions – combustion, rusting, tarnishing)

F: The role of electrons in chemical bonds

1 = Not applicable

2 = Very well prepared

3 = Somewhat prepared

4 = Not well prepared

Variable Name(s): BTBS25BA, BTBS25BB, BTBS25BC, BTBS25BD, BTBS25BE, BTBS25BF

| Country | Item ID | Code | Documentation |
|--------------------|-------------|------|---|
| Russian Federation | TQS-25BA-BF | X | Option not administered or data not available |

TQS-25CA-CE

Question:

How well prepared do you feel you are to teach the following science topics? ☐

If a topic is not in the <eighth grade> curriculum or you are not responsible for teaching this topic, please choose "Not applicable."

A: Physical states and changes in matter (explanations of properties in terms of movement and distance between particles; phase change, thermal expansion, and changes in volume and/or pressure)

B: Energy forms, transformations, heat, and temperature

C: Basic properties/behaviors of light (reflection, refraction, light and color, simple ray diagrams) and sound (transmission through media, loudness, pitch, amplitude, frequency)

D: Electric circuits (flow of current; types of circuits - parallel/series) and properties and uses of permanent magnets and electromagnets

E: Forces and motion (types of forces, basic description of motion, effects of density and pressure)

1 = Not applicable

2 = Very well prepared

3 = Somewhat prepared

4 = Not well prepared

Variable Name(s): BTBS25CA, BTBS25CB, BTBS25CC, BTBS25CD, BTBS25CE

| Country | Item ID | Code | Documentation |
|--------------------|-------------|------|---|
| Russian Federation | TQS-25CA-CE | X | Option not administered or data not available |

TQS-25DA-DD

Question:

How well prepared do you feel you are to teach the following science topics? ☐

If a topic is not in the <eighth grade> curriculum or you are not responsible for teaching this topic, please choose "Not applicable."

A: Earth's structure and physical features (Earth's crust, mantle, and core; composition and relative distribution of water, and composition of air)

B: Earth's processes, cycles, and history (rock cycle; water cycle; weather versus climate; major geological events; formation of fossils and fossil fuels)

C: Earth's resources, their use and conservation (e.g., renewable/nonrenewable resources, human use of land/soil, water resources)

D: Earth in the solar system and the universe (phenomena on Earth - day/night, tides, phases of moon, eclipses, seasons; physical features of Earth compared to other bodies)

1 = Not applicable

2 = Very well prepared

3 = Somewhat prepared

4 = Not well prepared

Variable Name(s): BTBS25DA, BTBS25DB, BTBS25DC, BTBS25DD

| Country | Item ID | Code | Documentation |
|--------------------|-------------|------|---|
| Russian Federation | TQS-25DA-DD | X | Option not administered or data not available |

SECTION 8:
EIGHTH GRADE –
SCHOOL
QUESTIONNAIRE

TIMSS 2015 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, 2015>?

Variable Name(s): BCBG01

| Country | Item ID | Code | Documentation |
|-----------------------|---------|------|------------------|
| ARG, Buenos Aires | SCQ-01 | D | October 1, 2014 |
| Australia | SCQ-01 | D | October 1, 2014 |
| Bahrain | SCQ-01 | D | March 1, 2015 |
| Botswana | SCQ-01 | D | October 1, 2015 |
| CAN, Ontario | SCQ-01 | D | April 1, 2015 |
| CAN, Quebec | SCQ-01 | D | April 1, 2015 |
| Canada | SCQ-01 | D | April 1, 2015 |
| Chile | SCQ-01 | D | November 1, 2014 |
| Chinese Taipei | SCQ-01 | D | May 1, 2015 |
| Egypt | SCQ-01 | D | April 1, 2015 |
| England | SCQ-01 | D | March 1, 2015 |
| Georgia | SCQ-01 | D | April 1, 2015 |
| Hong Kong SAR | SCQ-01 | D | April 1, 2015 |
| Hungary | SCQ-01 | D | March 1, 2015 |
| Iran, Islamic Rep. of | SCQ-01 | D | April 10, 2015 |
| Ireland | SCQ-01 | D | April 1, 2015 |
| Israel | SCQ-01 | D | March 1, 2015 |
| Italy | SCQ-01 | D | March 1, 2015 |
| Japan | SCQ-01 | D | March 1, 2015 |
| Jordan | SCQ-01 | D | April 1, 2015 |
| Kazakhstan | SCQ-01 | D | April 1, 2015 |
| Korea, Rep. of | SCQ-01 | D | December 1, 2014 |
| Kuwait | SCQ-01 | D | April 1, 2015 |
| Lebanon | SCQ-01 | D | May 1, 2015 |
| Lithuania | SCQ-01 | D | March 1, 2015 |
| Malaysia | SCQ-01 | D | October 1, 2014 |
| Malta | SCQ-01 | D | April 1, 2015 |

| | | | |
|----------------------|--------|---|---|
| Morocco | SCQ-01 | D | May 1, 2015 |
| New Zealand | SCQ-01 | D | October 1, 2014 |
| Norway | SCQ-01 | D | March 1, 2015 |
| Norway (Grade 8) | SCQ-01 | D | March 1, 2015 |
| Oman | SCQ-01 | D | April 1, 2015 |
| Qatar | SCQ-01 | D | April 1, 2015 |
| Russian Federation | SCQ-01 | D | April 1, 2015 |
| Saudi Arabia | SCQ-01 | D | May 6, 2015 |
| Singapore | SCQ-01 | D | October 1, 2014 |
| Slovenia | SCQ-01 | D | Stem of the question changed: What is the total enrollment of students in your school in this school year? |
| South Africa | SCQ-01 | D | August 1, 2015 |
| Sweden | SCQ-01 | D | March 1, 2015 |
| Thailand | SCQ-01 | D | February 1, 2015 |
| Turkey | SCQ-01 | D | March 2, 2015 |
| UAE, Abu Dhabi | SCQ-01 | D | February 1, 2015 |
| UAE, Dubai | SCQ-01 | D | February 1, 2015 |
| United Arab Emirates | SCQ-01 | D | February 1, 2015 |
| United States | SCQ-01 | D | March 1, 2015 |
| USA, Florida | SCQ-01 | D | March 1, 2015 |

SCQ-02**Question:**

What is the total enrollment of <eighth grade> students in your school as of <first day of month TIMSS testing begins, 2015>?

Variable Name(s): BCBG02

| Country | Item ID | Code | Documentation |
|-------------------|---------|------|------------------|
| ARG, Buenos Aires | SCQ-02 | D | October 1, 2014 |
| Australia | SCQ-02 | D | October 1, 2014 |
| Bahrain | SCQ-02 | D | March 1, 2015 |
| Botswana | SCQ-02 | D | October 1, 2015 |
| CAN, Ontario | SCQ-02 | D | April 1, 2015 |
| CAN, Quebec | SCQ-02 | D | April 1, 2015 |
| Canada | SCQ-02 | D | April 1, 2015 |
| Chile | SCQ-02 | D | November 1, 2014 |

| | | | |
|-----------------------|--------|---|---|
| Chinese Taipei | SCQ-02 | D | May 1, 2015 |
| Egypt | SCQ-02 | D | April 1, 2015 |
| England | SCQ-02 | D | March 1, 2015 |
| Georgia | SCQ-02 | D | April 1, 2015 |
| Hong Kong SAR | SCQ-02 | D | April 1, 2015 |
| Hungary | SCQ-02 | D | March 1, 2015 |
| Iran, Islamic Rep. of | SCQ-02 | D | April 10, 2015 |
| Ireland | SCQ-02 | D | April 1, 2015 |
| Israel | SCQ-02 | D | March 1, 2015 |
| Italy | SCQ-02 | D | March 1, 2015 |
| Japan | SCQ-02 | D | March 1, 2015 |
| Jordan | SCQ-02 | D | April 1, 2015 |
| Kazakhstan | SCQ-02 | D | April 1, 2015 |
| Korea, Rep. of | SCQ-02 | D | December 1, 2014 |
| Kuwait | SCQ-02 | D | April 1, 2015 |
| Lebanon | SCQ-02 | D | May 1, 2015 |
| Lithuania | SCQ-02 | D | March 1, 2015 |
| Malaysia | SCQ-02 | D | October 1, 2014 |
| Malta | SCQ-02 | D | April 1, 2015 |
| Morocco | SCQ-02 | D | May 1, 2015 |
| New Zealand | SCQ-02 | D | October 1, 2014 |
| Norway | SCQ-02 | D | March 1, 2015 |
| Norway (Grade 8) | SCQ-02 | D | March 1, 2015 |
| Oman | SCQ-02 | D | April 1, 2015 |
| Qatar | SCQ-02 | D | April 1, 2015 |
| Russian Federation | SCQ-02 | D | April 1, 2015 |
| Saudi Arabia | SCQ-02 | D | May 6, 2015 |
| Singapore | SCQ-02 | D | October 1, 2014 |
| Slovenia | SCQ-02 | D | Stem of the question changed: What is the total enrollment of grade 8 students in your school? |
| South Africa | SCQ-02 | D | August 1, 2015 |
| Sweden | SCQ-02 | D | March 1, 2015 |
| Thailand | SCQ-02 | D | February 1, 2015 |
| Turkey | SCQ-02 | D | March 2, 2015 |
| UAE, Abu Dhabi | SCQ-02 | D | February 1, 2015 |

| | | | |
|----------------------|--------|---|------------------|
| UAE, Dubai | SCQ-02 | D | February 1, 2015 |
| United Arab Emirates | SCQ-02 | D | February 1, 2015 |
| United States | SCQ-02 | D | March 1, 2015 |
| USA, Florida | SCQ-02 | D | March 1, 2015 |

SCQ-03A-B**Question:**

Approximately what percentage of students in your school have the following backgrounds?

A: Come from economically disadvantaged homes

B: Come from economically affluent homes

1 = 0 to 10%

2 = 11 to 25%

3 = 26 to 50%

4 = More than 50%

Variable Name(s): BCBG03A, BCBG03B

| Country | Item ID | Code | Documentation |
|------------|---------|------|---|
| Kazakhstan | SCQ-03A | D | Come from socially disadvantaged families |
| Kazakhstan | SCQ-03B | D | Come from socially affluent families |

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 |
|-----------|---------|------|-------------------------------|
| Ireland | SCQ-04 | D | English or Irish |
| Lithuania | SCQ-04 | D | The language they are taught |
| Singapore | SCQ-04 | D | Gang punched to "25% or less" |

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 |
|-------------------|---------|------|---|
| ARG, Buenos Aires | 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 = 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 |
| 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 |
| 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 6 = 3,001 to 15,000 7 = 3,000 people or fewer |
| 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 |
|-------------------|---------|------|--|
| ARG, Buenos Aires | SCQ-05B | D | National options recoded for international comparability: 1 = Urban–densely populated 2 = Suburban–on fringe or outskirts of urban area 3 = Option not administered or data not available 4 = Option not administered or data not available 5 = Option not administered or data not available |
| 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 (15,000 to about 100,000 people) 4 = Small town or village (3,000 to about 15,000) 5 = A village or rural areas (fewer than 3,000) |
| Singapore | SCQ-05B | D | Gang punched to "Urban–Densely populated" |

SCQ-06A-B

Question:

Does your school provide free meals for students?

- A: Breakfast
- B: Lunch

- 1 = Yes, for all students
- 2 = Yes, for some students
- 3 = No

Variable Name(s): BCBG06A, BCBG06B

| Country | Item ID | Code | Documentation |
|---------|---------|------|---|
| Sweden | SCQ-06B | D | Gang punched to "Yes, for all students" |

SCQ-07A

Question:

How many days per year is your school open for instruction?

Variable Name(s): BCBG07A

| Country | Item ID | Code | Documentation |
|-------------|---------|------|--|
| New Zealand | SCQ-07A | 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)? |
| Singapore | SCQ-07A | D | Gang punched to "185" |

SCQ-07B

Question:

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

Variable Name(s): BCBG07B

| Country | Item ID | Code | Documentation |
|-----------------------|---------|------|---|
| Chinese Taipei | SCQ-07B | D | Stem of the question changed: For the eighth-grade students in your school, what is the total instructional time of all-day classes in a typical day? (excluding lunch breaks, self-study session, after-school time etc.) |
| Iran, Islamic Rep. of | SCQ-07B | D | Stem of the question changed: What is the total instruction time, excluding breaks, time for lunch and prayer, in a typical day? |

SCQ-07C

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): BCBG07C

| Country | Item ID | Code | Documentation |
|-----------|---------|------|--------------------------|
| Singapore | SCQ-07C | D | Gang punched to "5 days" |

SCQ-09A-B

Question:

As a general school policy, is student achievement used to assign <eighth grade> students to classes (e.g., streaming, tracking, setting)?

A: For mathematics classes

B: For science classes

1 = Yes

2 = No

Variable Name(s): BCBG09A, BCBG09B

| Country | Item ID | Code | Documentation |
|-----------------------|-----------|------|--|
| Hungary | SCQ-09B | D | Biology / Chemistry / Physics / Earth Science |
| Iran, Islamic Rep. of | SCQ-09A-B | D | Stem of the question changed: Is GPA used to assign eighth grade students to classes? |
| Italy | SCQ-09A-B | X | Question not administered or data not available |

SCQ-13AA-AI

Question:

How much is your school's capacity to provide instruction affected by a shortage or inadequacy of the following?

A: Instructional materials (e.g., textbooks)

B: Supplies (e.g., papers, pencils, materials)

C: School buildings and grounds

D: Heating/cooling and lighting systems

E: Instructional space (e.g., classrooms)

F: Technologically competent staff

G: Audio-visual resources for delivery of instruction (e.g., interactive white boards, digital projectors)

H: Computer technology for teaching and learning (e.g., computers or tablets for student use)

I: Resources for students with disabilities

1 = Not at all

2 = A little

3 = Some

4 = A lot

Variable Name(s): BCBG13AA, BCBG13AB, BCBG13AC, BCBG13AD, BCBG13AE, BCBG13AF, BCBG13AG, BCBG13AH, BCBG13AI

| Country | Item ID | Code | Documentation |
|----------------|----------|------|---|
| Italy | SCQ-13AB | X | Option not administered or data not available |
| Korea, Rep. of | SCQ-13AF | D | Technologically professional staff (including operational staffs) |

SCQ-13CA-CE

Question:

How much is your school's capacity to provide instruction affected by a shortage or inadequacy of the following?

- A: Teachers with a specialization in science
- B: Computer software/applications for science instruction
- C: Library resources relevant to science instruction
- D: Calculators for science instruction
- E: Science equipment and materials for experiments

- 1 = Not at all
- 2 = A little
- 3 = Some
- 4 = A lot

Variable Name(s): BCBG13CA, BCBG13CB, BCBG13CC, BCBG13CD, BCBG13CE

| Country | Item ID | Code | Documentation |
|--------------|----------|------|--|
| CAN, Ontario | SCQ-13CE | D | A science lab, science equipment and materials for experiments |
| CAN, Quebec | SCQ-13CE | D | A science lab, science equipment and materials for experiments |
| Canada | SCQ-13CE | D | A science lab, science equipment and materials for experiments |

SCQ-16A-C

Question:

How difficult was it to fill <eighth grade> teaching vacancies for this school year for the following subjects?

- A: Mathematics
- B: Science
- C: Other

- 1 = Were no vacancies in this subject
- 2 = Easy to fill vacancies
- 3 = Somewhat difficult
- 4 = Very difficult

Variable Name(s): BCBG16A, BCBG16B, BCBG16C

| Country | Item ID | Code | Documentation |
|---------|-----------|------|---|
| Hungary | SCQ-16B | X | Option not administered or data not available |
| Ireland | SCQ-16A-C | D | Junior Cycle |

SCQ-17A-C

Question:

Does your school currently use any incentives (e.g., pay, housing, signing bonus, smaller classes) to recruit or retain <eighth grade> teachers in the following fields?

A: Mathematics

B: Science

C: Other

1 = Yes

2 = No

Variable Name(s): BCBG17A, BCBG17B, BCBG17C

| Country | Item ID | Code | Documentation |
|---------|-----------|------|---|
| Hungary | SCQ-17B | D | Biology / Chemistry / Physics / Earth Science |
| Ireland | SCQ-17A-C | D | Junior Cycle |

SCQ-18A-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): BCBG18A, BCBG18B

| Country | Item ID | Code | Documentation |
|-------------|-----------|------|---|
| New Zealand | SCQ-18A-B | X | Question not administered or data not available |

SCQ-21

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): BCBG21

| Country | Item ID | Code | Documentation |
|-------------------|---------|------|---|
| ARG, Buenos Aires | SCQ-21 | D | Nationally defined options: 1 = Did not complete Bachelor's 2 = Bachelor's 3 = Master's 4 = Doctorate |

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|----------------|--------|---|---|
| Australia | SCQ-21 | 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-21 | D | Nationally defined options: 1 = Did not complete Bachelor's 2 = Bachelor's 3 = Master's 4 = PhD |
| Botswana | SCQ-21 | D | Nationally defined options: 1 = Did not complete first degree 2 = First degree 3 = Master's degree 4 = Doctorate |
| CAN, Ontario | SCQ-21 | D | Nationally defined options: 1 = Did not complete a Bachelor's degree 2 = Bachelor's degree 3 = Master's degree 4 = Doctoral degree |
| CAN, Quebec | SCQ-21 | D | Nationally defined options: 1 = Did not complete a Bachelor's degree 2 = Bachelor's degree 3 = Master's degree 4 = Doctoral degree |
| Canada | SCQ-21 | 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-21 | D | Nationally defined options: 1 = Did not complete Bachelor's 2 = Bachelor's 3 = Master or equivalent 4 = Doctor or equivalent |
| Chinese Taipei | SCQ-21 | 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 = Ph.D. program |
| Egypt | SCQ-21 | 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-21 | D | Nationally defined options: 1 = Did not complete Bachelor's or equivalent teaching qualification 2 = Bachelor's or equivalent teaching qualification 3 = Master's degree, PGCE or equivalent 4 = Doctorate or equivalent higher degree |

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| Georgia | SCQ-21 | D | Nationally defined options: 1 = Did not complete the first stage of higher education (Baccalaureate) 2 = First stage of higher education (Baccalaureate) 3 = Second stage of higher education (Master's) 4 = Third stage of higher education (Doctorate) |
| Hong Kong SAR | SCQ-21 | D | Nationally defined options: 1 = Did not complete Bachelor's degree 2 = Bachelor's degree 3 = Master's degree 4 = Doctoral degree |
| Hungary | SCQ-21 | 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-21 | 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-21 | 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-21 | 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-21 | D | Nationally defined options: 1 = Upper secondary education or short-cycle tertiary education 2 = Tertiary education level II certificate 3 = Master's or equivalent level 4 = Doctor or equivalent level |
| Japan | SCQ-21 | D | Nationally defined options: 1 = Did not complete university or college 2 = University or college 3 = Master's programs of graduate school 4 = Doctoral programs of graduate school |
| Jordan | SCQ-21 | 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 |
| Kazakhstan | SCQ-21 | D | Nationally defined options: 1 = Did not complete higher education 2 = Bachelor degree 3 = Master degree 4 = Doctor degree |

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|------------------|--------|---|---|
| Korea, Rep. of | SCQ-21 | D | Nationally defined options: 1 = Did not complete 4-year university 2 = 4-year university 3 = Master's program 4 = Doctoral program |
| Kuwait | SCQ-21 | 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 |
| Lebanon | SCQ-21 | 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-21 | D | Nationally defined options: 1 = Did not acquire Bachelor's (did not finish university) or vocational Bachelor (did not finish college) degree 2 = Bachelor's (finish university) or vocational Bachelor (finish college) degree 3 = Master's or higher degree 4 = Doctor's or higher degree |
| Malaysia | SCQ-21 | 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 |
| Malta | SCQ-21 | D | Nationally defined options: 1 = Did not complete Bachelor's degree, vocational education and training degree or equivalent level 2 = Bachelor's degree, vocational education and training degree or equivalent level 3 = Master's or equivalent level 4 = Doctorate or equivalent level |
| Morocco | SCQ-21 | D | Nationally defined options: 1 = Did not complete Bachelor's degree 2 = Bachelor's degree 3 = Master's degree 4 = Doctorate |
| New Zealand | SCQ-21 | D | Nationally defined options: 1 = College of Education diploma or other national or vocational diploma 2 = Bachelor's degree 3 = Bachelor's Honours, Post-graduate diploma, or Master's degree 4 = PhD |
| Norway | SCQ-21 | 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 |
| Norway (Grade 8) | SCQ-21 | 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 |

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| Oman | SCQ-21 | D | Nationally defined options: 1 = Did not complete Bachelor's or equivalent level 2 = Bachelor's or equivalent level 3 = Master's or equivalent 4 = Doctor or equivalent level |
| Qatar | SCQ-21 | 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 = Doctor or equivalent level |
| Russian Federation | SCQ-21 | 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-21 | 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-21 | 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 |
| Slovenia | SCQ-21 | D | Nationally defined options: 1 = Did not complete university study of the first Bologna degree 2 = University study of the first Bologna degree 3 = University 4 year study (old programs) or university study of the second Bologna degree or master of science 4 = Doctorate of science |
| South Africa | SCQ-21 | D | National options recoded for international comparability: 1 = Did not finish first degree 2 = First degree / Honours degree 3 = Master's degree 4 = Doctoral degree |
| Sweden | SCQ-21 | 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) |
| Thailand | SCQ-21 | 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 |
| Turkey | SCQ-21 | D | Nationally defined options: 1 = Undergraduate education 2 = Bachelor of Science 3 = Master of Science 4 = Doctorate |

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| UAE, Abu Dhabi | SCQ-21 | D | Nationally defined options: 1 = Did not complete Bachelor's or equivalent 2 = Bachelor's or equivalent 3 = Master's or equivalent (e.g., Master's of arts degree, M.Sc) 4 = Doctor's or equivalent |
| UAE, Dubai | SCQ-21 | D | Nationally defined options: 1 = Did not complete Bachelor's or equivalent 2 = Bachelor's or equivalent 3 = Master's or equivalent (e.g., Master's of arts degree, M.Sc) 4 = Doctor's or equivalent |
| United Arab Emirates | SCQ-21 | D | Nationally defined options: 1 = Did not complete Bachelor's or equivalent 2 = Bachelor's or equivalent 3 = Master's or equivalent (e.g., Master's of arts degree, M.Sc) 4 = Doctor's or equivalent |
| United States | SCQ-21 | 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. or Ed.D.) |
| USA, Florida | SCQ-21 | 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. or Ed.D.) |

SCQ-22A-B

Question:

Do you hold the following degrees in educational leadership?

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

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

1 = Yes

2 = No

Variable Name(s): BCBG22A, BCBG22B

| Country | Item ID | Code | Documentation |
|-------------------|---------|------|-----------------------|
| ARG, Buenos Aires | SCQ-22A | D | Master's |
| ARG, Buenos Aires | SCQ-22B | D | Doctorate |
| Australia | SCQ-22A | D | Master's degree |
| Australia | SCQ-22B | D | PhD or Doctorate |
| Bahrain | SCQ-22A | D | Master's |
| Bahrain | SCQ-22B | D | PhD |
| Botswana | SCQ-22A | D | Master's degree |
| Botswana | SCQ-22B | D | Doctorate degree |
| CAN, Ontario | SCQ-22A | D | Master's degree level |

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|-----------------------|-----------|---|--|
| CAN, Ontario | SCQ-22B | D | Doctoral degree level |
| CAN, Quebec | SCQ-22A | D | Master's degree level |
| CAN, Quebec | SCQ-22B | D | Doctoral degree level |
| Canada | SCQ-22A | D | Master's degree level |
| Canada | SCQ-22B | D | Doctoral degree level |
| Chile | SCQ-22A | D | Master's or equivalent |
| Chile | SCQ-22B | D | Doctor or equivalent |
| Chinese Taipei | SCQ-22A | D | Master's degree |
| Chinese Taipei | SCQ-22B | D | Ph.D. degree |
| Egypt | SCQ-22A | D | Master or equivalent |
| Egypt | SCQ-22B | D | Doctor or equivalent |
| England | SCQ-22A | D | Master's degree or equivalent |
| England | SCQ-22B | D | Doctorate or equivalent higher degree |
| Georgia | SCQ-22A | D | Master's degree |
| Georgia | SCQ-22B | D | Doctorate degree |
| Hong Kong SAR | SCQ-22A | D | Master's degree |
| Hong Kong SAR | SCQ-22B | D | Doctoral degree |
| Hungary | SCQ-22A | D | University or university MA level |
| Hungary | SCQ-22B | D | Higher than university or university MA level (e.g., PhD) |
| Iran, Islamic Rep. of | SCQ-22A | D | Master's or equivalent level |
| Iran, Islamic Rep. of | SCQ-22B | D | Doctor or equivalent level |
| Ireland | SCQ-22A | D | Master's or equivalent |
| Ireland | SCQ-22B | D | Doctorate or equivalent |
| Israel | SCQ-22A | D | Master degree |
| Israel | SCQ-22B | D | Doctor degree |
| Italy | SCQ-22A-B | D | Stem of the question changed: Do you hold the following degrees specifically designed to train school principals? |
| Italy | SCQ-22A | D | Master's or equivalent |
| Italy | SCQ-22B | D | Doctor or equivalent |
| Japan | SCQ-22A | D | Master's degree |
| Japan | SCQ-22B | D | Doctor's degree |
| Jordan | SCQ-22A | D | Master's or equivalent |
| Jordan | SCQ-22B | D | Doctor or equivalent |
| Kazakhstan | SCQ-22A | D | Master degree |

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| Kazakhstan | SCQ-22A-B | D | Stem of the question changed: Do you have a scientific degree? |
| Kazakhstan | SCQ-22B | D | Doctor degree |
| Korea, Rep. of | SCQ-22A | D | Master's degree |
| Korea, Rep. of | SCQ-22B | D | Doctoral degree |
| Kuwait | SCQ-22A | D | Master's or equivalent level |
| Kuwait | SCQ-22B | D | Doctor or equivalent level |
| Lebanon | SCQ-22A | D | Master or equivalent |
| Lebanon | SCQ-22B | D | Doctorate or equivalent |
| Lithuania | SCQ-22A | D | Master's or higher degree |
| Lithuania | SCQ-22B | D | Doctor's or higher degree |
| Malaysia | SCQ-22A | D | Master's or equivalent |
| Malaysia | SCQ-22B | D | Doctor or equivalent |
| Malta | SCQ-22A | D | Master's or equivalent level |
| Malta | SCQ-22B | D | Doctorate or equivalent level |
| Morocco | SCQ-22A | D | Master's degree |
| Morocco | SCQ-22B | D | Doctorate |
| New Zealand | SCQ-22A-B | X | Question not administered or data not available |
| Norway | SCQ-22A | D | Master's or equivalent |
| Norway | SCQ-22B | D | Doctor or equivalent |
| Norway (Grade 8) | SCQ-22A | D | Master's or equivalent |
| Norway (Grade 8) | SCQ-22B | D | Doctor or equivalent |
| Oman | SCQ-22A | D | Master's or equivalent level |
| Oman | SCQ-22B | D | Doctor or equivalent level |
| Qatar | SCQ-22A | D | Master's degree or equivalent level |
| Qatar | SCQ-22B | D | PhD or equivalent level |
| Russian Federation | SCQ-22A | D | Higher education: Master or equivalent (five years or more), second university degree |
| Russian Federation | SCQ-22B | D | Candidate or Doctor degree |
| Saudi Arabia | SCQ-22A | D | Master's or equivalent level |
| Saudi Arabia | SCQ-22B | D | Doctor or equivalent level |
| Singapore | SCQ-22A | D | Master's degree |
| Singapore | SCQ-22B | D | Doctoral (e.g., PhD) degree |
| Slovenia | SCQ-22A | D | University 4 year study (old programs) or university study of the second Bologna degree or master of science |
| Slovenia | SCQ-22B | D | Doctorate of science |

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|----------------------|---------|---|--|
| South Africa | SCQ-22A | D | Master's degree |
| South Africa | SCQ-22B | D | Doctoral degree |
| Sweden | SCQ-22A | D | University or university college degree (e.g., Master's degree) |
| Sweden | SCQ-22B | D | Postgraduate education (e.g., licentiate or PhD degree) |
| Thailand | SCQ-22A | D | Master's or equivalent level |
| Thailand | SCQ-22B | D | Doctor's or equivalent level |
| Turkey | SCQ-22A | D | Master of Science |
| Turkey | SCQ-22B | D | Doctorate |
| UAE, Abu Dhabi | SCQ-22A | D | Master's or equivalent (e.g., Master's of arts degree, M.Sc) |
| UAE, Abu Dhabi | SCQ-22B | D | Doctor's or equivalent |
| UAE, Dubai | SCQ-22A | D | Master's or equivalent (e.g., Master's of arts degree, M.Sc) |
| UAE, Dubai | SCQ-22B | D | Doctor's or equivalent |
| United Arab Emirates | SCQ-22A | D | Master's or equivalent (e.g., Master's of arts degree, M.Sc) |
| United Arab Emirates | SCQ-22B | D | Doctor's or equivalent |
| United States | SCQ-22A | D | Master's degree or professional degree (MD, DDS, lawyer, minister) |
| United States | SCQ-22B | D | Doctorate (Ph.D. or Ed.D.) |
| USA, Florida | SCQ-22A | D | Master's degree or professional degree (MD, DDS, lawyer, minister) |
| USA, Florida | SCQ-22B | D | Doctorate (Ph.D. or Ed.D.) |



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