

## DERIVED CONTEXT VARIABLES

# Home Questionnaire – Grade 4

Derived Variable Name:

Variable Label:

ASDHAPS

Student Attended Preprimary Education

### Procedure

Based on responses to the following questions in the Home Questionnaire:

HQ-04Aa,Ab: Did your child attend the following before <first grade>?

"Early childhood educational program or center for children under age 3" (ASBH04AA)

"Pre-primary educational program for children age 3 or older, including <Kindergarten>" (ASBH04AB)

Response options: 1 = "Yes"

2 = "No"

HQ-04B: Approximately, how long was your child in these programs altogether? (ASBH04B)

Response options: 1 = "Did not attend"

2 = "Less than 1 year"

3 = "1 year"

4 = "2 years"

5 = "3 years"

6 = "4 years or more"

Derive ASDHAPS:

1 = "Did Not Attend" = IF ((ASBH04AA = 2 AND ASBH04AB = 2) OR ASBH04B = 1)

2 = "1 Year or Less" = IF (ASBH04B = 2 OR 3)

3 = "2 Years" = IF (ASBH04B = 4)

4 = "3 Years or More" = IF (ASBH04B = 5 OR 6)

Set ASDHAPS to missing if any source variable is missing.

Set ASDHAPS to not administered if ASBH05B is not administered.

1 = "Did Not Attend"

2 = "1 Year or Less"

3 = "2 Years"

4 = "3 Years or More"

### Trend Comments

See ASDHAPS in TIMSS 2019.

## Derived Variable Name:

ASDHEDUP

## Variable Label:

Parents' Highest Education Level

## International Report Exhibits

Exhibits 3.1.1 – 3.1.3: Home Socioeconomic Status – Parents' Reports (scale component variable)

## Procedure

Based on responses to the following questions in the Home Questionnaire:

HQ-16: What is the highest level of education completed by the child's <parents/guardians>?

"<Parent/Guardian A"> (ASBH16A)

"<Parent/Guardian B"> (ASBH16B)

Response options: 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"

Recode ASBH16A as follows:

IF ASBH16A = 7 or 8: Recode to 1 ("University or Higher")

IF ASBH16A = 5 or 6: Recode to 2 ("Post-Secondary Education but not University")

IF ASBH16A = 4: Recode to 3 ("Upper Secondary")

IF ASBH16A = 3: Recode to 4 ("Lower Secondary")

IF ASBH16A = 1 or 2: Recode to 5 ("Some Primary or Lower Secondary or Did not go to School")

IF ASBH16A = 9: Recode to 6 ("Not Applicable")

Recode ASBH16B in the same way.

Derive ASDHEDUP:

Using these categories, the smaller value of the recoded variables ASBH16A and ASBH16B becomes ASDHEDUP.

Set ASDHEDUP to missing if both source variables are missing.

Set ASDHEDUP to not administered if both source variables are not administered.

1 = "University or Higher "

2 = "Post-Secondary Education but not University "

3 = "Upper Secondary "

4 = "Lower Secondary "

5 = "Some Primary or Lower Secondary or Did not go to School "

6 = "Not Applicable"

## Trend Comments

See ASDHEDUP in TIMSS 2019.

Derived Variable Name:

ASDHOCCP

Variable Label:

Parents' Occupation

## International Report Exhibits

Exhibits 3.1.1 – 3.1.3: Home Socioeconomic Status – Parents' Reports (scale component variable)

### Procedure

Based on responses to the following question in the Home Questionnaire:  
 HQ-18: What kind of work do the child's <parents/guardians> do for their main jobs?

"<Parent/Guardian A>" (ASBH18A)

"<Parent/Guardian B>" (ASBH18B)

Response options: 1 = "Has never worked for pay"

2 = "Small Business Owner"

3 = "Clerical Worker"

4 = "Service or Sales Worker"

5 = "Skilled Agricultural or Fishery Worker"

6 = "Craft or Trade Worker"

7 = "Plant or Machine Operator"

8 = "General Laborers"

9 = "Corporate Manager or Senior Official"

10 = "Professional"

11 = "Technician or Associate Professional"

12 = "Not applicable"

Recode ASBH18A as follows:

IF ASBH18A = 9, 10, or 11: Recode to 1 ("Professional")

IF ASBH18A = 2: Recode to 2 ("Small Business Owner")

IF ASBH18A = 3 or 4: Recode to 3 ("Clerical")

IF ASBH18A = 5, 6, or 7: Recode to 4 ("Skilled Worker")

IF ASBH18A = 8: Recode to 5 ("General Laborer")

IF ASBH18A = 1: Recode to 6 ("Never Worked for Pay")

IF ASBH18A = 12: Recode to 7 ("Not Applicable")

Recode ASBH18B in the same way.

Derive ASDHOCCP:

Using these categories, the smaller value of the recoded variables ASBH18A and ASBH18B becomes ASDHOCCP.

Set ASDHOCCP to missing if both source variables are missing.

Set ASDHOCCP to not administered if both source variables are not administered.

1 = "Professional"

2 = "Small Business Owner"

3 = "Clerical"

4 = "Skilled Worker"

5 = "General Laborer"

6 = "Never Worked for Pay"

7 = "Not Applicable"

### Trend Comments

See ASDHOCCP in TIMSS 2019.