

## DERIVED CONTEXT VARIABLES

# School Questionnaire – Grade 8

Derived Variable Name:

BCDGSBC

Variable Label:

School Composition by Socioeconomic  
Background

### International Report Exhibits

Exhibits 4.1.1 – 4.1.5: School Composition by Socioeconomic Background of the Student Body –  
Principals' Reports

### Procedure

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

ScQ-03: Approximately what percentage of students in your school have the following backgrounds?

"Come from economically disadvantaged homes" (BCBG03A)

"Come from economically affluent homes" (BCBG03B)

Response options: 1 = "0 to 10%"

2 = "11 to 25%"

3 = "26 to 50%"

4 = "More than 50%"

Derive BCDGSBC:

1 = "More Affluent" = IF (BCBG03A <= 2 AND BCBG03B >= 3)

3 = "More Disadvantaged" = IF (BCBG03A >= 3 AND BCBG03B <= 2)

2 = "Neither More Affluent nor More Disadvantaged" = IF (All other combinations of BCBG03A and BCBG03B)

Set BCDGSBC to missing if either source variable is missing.

Set BCDGSBC to not administered if either source variable is not administered.

1 = "More Affluent"

2 = "Neither More Affluent nor More Disadvantaged"

3 = "More Disadvantaged"

### Trend Comments

See BCDGSBC in TIMSS 2019.

Derived Variable Name:

Variable Label:

BCDGTIHY

Total Instructional Hours per Year

#### Procedure

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

ScQ-06A: How many days per year is your school open for instruction? (BCBG06A)

(Open-response item)

ScQ-06B: What is the total instructional time, excluding breaks, in a typical day? (BCBG06B)

(Open-response item; response in terms of minutes)

Derive BCDGTIHY:

Step 1: Compute instructional hours per day:

Divide BCBG06B by 60.

Step 2: Compute hours of school per year:

Multiply the result of Step 1 by BCBG06A.

Set BCDGTIHY to missing if either source variable is missing.

#### Trend Comments

See BCDGTIHY in TIMSS 2019.