



# SILC DISCLOSURE CONTROL RULES

## YEAR 2019

### LONGITUDINAL DATA

### DIFFERENCES BETWEEN ORIGINAL DATABASE (as described in the guidelines) AND THE ANONYMISED USER DATABASE

In order to ensure disclosure control and confidentiality of the UDB, some variables collected were removed or changed. On the other hand, in order to ease the use of the data, some variables were added.

This document summarizes the changes between the data collected by countries as described in the 2019 guidelines and the user database.

## 1. GENERAL RULES

Applied for all countries except when specified on point 2

### INCOME VARIABLES

All variables are in € (EURO). For the countries not members of the euro area the conversion factor can be found in variables **HX010** and **PX010**.

Income data (EURO) *i.e.* **HY020** \* **HX010** = income data (national currency).

### VARIABLES ADDED

(computed only for **RB110** in (1,2,3,4))

**RX010**: Age at the time of interview

**RX020**: Age at the end of income reference period

**HX010**: Change rate

**HX040**: Household size

**HX050**: Equivalised household size

**HX090**: Equivalised disposable income

**HX100**: Equivalised disposable income quintile

**PX010:** Change rate  
**PX020:** Age at the end of the income reference period  
**PX030:** Household identification number  
**PX040:** Selected respondent status

<b>VARIABLES REMOVED</b>
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**DB050:** Primary strata  
**DB061:** (not provided by all countries)  
**DB063:** (not provided by all countries)  
**DB071:** (not provided by all countries)  
**DB073:** (not provided by all countries)  
**DB080:** Household design weight  
**DB120:** Contact at address  
**DB130:** Household questionnaire result  
**DB135:** Household interview acceptance

**HB040:** Day of household interview  
**HH070:** Total housing cost  
**HH071:** Mortgage principal repayment  
**HS160:** Problems with the dwelling: too dark, not enough light  
**HS170:** Noise from neighbours or from the street  
**HS180:** Pollution, grime or other environment problems  
**HS190:** Crime, violence or vandalism in the area

**PB040:** Personal cross-sectional weight  
**PB060:** Personal cross-sectional weight for selected respondent

**PB070:** Personal design weight for selected respondent  
**PB090:** Day of the personal interview

**PB210:** Country of birth  
**PB220A:** Citizenship 1  
**PB220B:** Citizenship 2  
**PE010:** Current education activity  
**PE020:** ISCED level currently attended  
**PE030:** Year when highest level of education was attained  
**PH040:** Unmet need for medical examination or treatment  
**PH050:** Main reason for unmet need for medical examination or treatment  
**PH060:** Unmet need for dental examination or treatment  
**PH070:** Main reason for unmet need for dental examination or treatment  
**PL015:** Whether person has ever worked  
**PL035:** Worked at least one hour during the previous week  
**PL073:** Number of months spent at full-time work as employee  
**PL074:** Number of months spent at part-time work as employee  
**PL075:** Number of months spent at full-time work as self-employed (including family worker)

**PL076:** Number of months spent at part-time work as self-employed (including family worker)  
**PL080:** Number of months spent in unemployment  
**PL085:** Number of months spent in retirement or early retirement  
**PL086:** Number of months spent as disabled or/and unfit to work  
**PL087:** Number of months spent studying  
**PL088:** Number of months spent in compulsory military service  
**PL089:** Number of months spent fulfilling domestic tasks and care responsibilities  
**PL090:** Number of months spent in other inactivity  
**PL100:** Total number of hours usually worked in second, third, ... jobs  
**PL111:** NACE Rev.2  
**PL120:** Reason for working less than 30 hours  
**PL130:** Number of persons working at the local unit  
**PL150:** Managerial position  
**PY200g:** Gross monthly earnings for employees  
  
**RB031:** Year of immigration  
**RB050:** Personal cross-sectional weight  
**RL010:** Education at pre-school  
**RL020:** Education at compulsory school  
**RL030:** Childcare at centre-based services  
**RL040:** Childcare at day-care centre  
**RL050:** Childcare by a professional child-minder at child's home or at child-minder's home  
**RL060:** Childcare by grand-parents, other household members (outside parents), other relatives, friends or neighbours  
**RL070:** Childrens' cross-sectional weight for childcare

<b>TOP/BOTTOM CODING</b>
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**RB080:** Year of birth  
 → Year of survey minus 81 and below.  
  
**RX010:** Age at the time of interview  
**RX020:** Age at the end of income reference period  
 → 80 and above.  
  
**HH030:** Number of rooms available to the household  
 → 6 and above.  
  
**PB140:** Year of birth  
 → Year of survey minus 81 and below.  
  
**PE040:** Highest ISCED level attained  
 → 5 and above for year < 2014.  
 → 500 and above for year >= 2014.  
  
**PX020:** Age at the end of the income reference period  
 → 80 and above.

## **GROUPING / RECODING / PROCESSING**

**DB040:** NUTS

→ NUTS 1 level only.

**RB070:** Month of birth

→ Grouped into quarters.

**RB140:** Month when the person moved out or died

→ Grouped into quarters.

**RB180:** Month when the person moved in

→ Grouped into quarters.

**HB050:** Month of household interview

→ Grouped into quarters.

**HH010:** Dwelling type

→ 5 recoded as missing.

**PB130:** Month of birth

→ Grouped into quarter.

**PB100:** Month of the personal interview

→ Grouped into quarters.

## **PERTURBATION / PROCESSING**

**DB060:** PSU-1 (first stage)

→ Randomised.

**DB062:** PSU-2 (second stage)

→ Randomised.

## **2. COUNTRY SPECIFIC RULES**

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## **IT**

**PE040:** Highest ISCED level attained

→ 300, 340, 342, 343, 344, 350, 352, 353, 354 grouped into 300.

→ 400, 440, 450 grouped into 400.

### 3. ADDITIONAL VARIABLES

#### **RX010: Age at the time of interview**

A household member coded "80" is 80 years old or over

**RX010** is calculated by subtracting date of birth (in year and month) from date of interview (in year and month). **RX010** may vary from one digit compared to real age at the exact day of interview, as the day of birth is not known.

#### **RX020: Age at the end of income reference period**

A household member coded "80" is 80 or over

A household member coded "-1" is born between the end of income reference period and the data collection

#### **HX010: Change rate**

Conversion factor: euro / national currency

It is the average exchange rate based on the year prior to the survey

The value is missing when the national currency is the Euro

Income data (euro) i. e.  $HY020 * HX010$  = income data (national currency)

Should you wish to compute the amount in ppp (purchasing power parities), apply:

- For countries members of the euro area:  $HY020/ppp$
- For countries not members of the euro area:  $HY020 * HX010/ppp$

The ppp values of each country can be found in the XL-file included in the UDB documentation on CIRCABC.

#### **HX040: Household size**

Number of current household members

In practise; number of person pertaining to the same household having an observation in the R-file (personal register file)

#### **HX050: Equivalised household size**

Calculation of equivalised household size

Let us consider:

- **HM14+** : number of household members aged 14 and over (at the end of income reference period)
- **HM13-** : number of household members aged 13 or less(at the end of income reference period)

The equivalised household size is defined as:

$$HX050 = 1 + 0.5 * (HM14+ - 1) + 0.3 * HM13-$$

### **HX090: Equivalised disposable income**

$$HX090 = (HY020 / HX050)$$

### **HX100: Equivalised disposable income quintiles**

Values: 1 - 5

1: household pertains to the lower (1st) quintile

2: household pertains to the 2nd quintile

3: household pertains to the 3rd quintile

4: household pertains to the 4th quintile

5: household pertains to the upper (5th) quintile

### **PX010: Change rate**

Conversion factor: euro / national currency

It is the average exchange rate based on the year prior to the survey

The value is missing when the national currency is the Euro

Income data (euros) \* **PX010** = income data (national currency)

### **PX020: Age at the end of the income reference period**

A household member coded "80" has 80 or over

A household member coded "-1" is born between the end of income reference period and the data collection

### **PX030: Household identification number**

$$PX030 = DB030$$

### **PX040: Selected respondent status**

$$PX040 = RB245$$

### **Income flags**

1) *HY040N, HY050N, HY060N, HY070N, HY080N, HY081N, HY090N, HY110N, HY130N, HY131N, HY170N, PY010N, PY020N, PY021N, PY050N, PY070N, PY080N, PY090N, PY100N, PY110N, PY120N, PY130N, PY140N*:

- *VAR\_F* contains 2 digits: 1st digit=collected net or gross + 2nd digit=type of net recorded value
- *VAR\_I* contains: first digit=imputation method + from the 2nd digit=imputation factor

2) *HY100N, HY120N, HY140N, HY145N, HY040G, HY050G, HY060G, HY070G, HY080G, HY081G, HY090G, HY100G, HY110G, HY120G, HY130G, HY140G, HY170G, HY010, HY020, HY022, HY023, PY035N, PY010G, PY020G, PY021G, PY030G, PY031G, PY035G, PY050G, PY070G, PY080G, PY090G, PY100G, PY110G, PY120G, PY130G, PY140G, PY200G*:

- *VAR\_F* contains only collected net or gross.
- *VAR\_I* contains: 1st digit=imputation method + from the 2nd digit=imputation factor. If *VAR\_F* = "-" or "0" then *VAR\_I*=.

Definition in Doc65:

Imputation factor = (collected value / recorded value) \* 100

Example:

Collected value = 912

Recorded value = 1000

Imputation factor to be recorded: 091