



SILC DISCLOSURE CONTROL RULES

YEAR 2016

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 2016 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: Equalised household size

HX090: Equalised disposable income

HX100: Equalised disposable income quintile

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

VARIABLES REMOVED

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

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

RB031: Year of immigration

TOP/BOTTOM CODING

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

[...]

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: Equalised household size

Calculation of equalised 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 equalised household size is defined as:

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

HX090: Equalised disposable income

$$HX090 = (HY020 / HX050)$$

HX100: Equalised 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, HY022, 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