



EUROPEAN COMMISSION
EUROSTAT

Directorate F: Social Statistics
Unit F-4: Quality of life

SILC DISCLOSURE CONTROL RULES

YEAR 2018

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 2018 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

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| VARIABLES REMOVED |
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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

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| TOP/BOTTOM CODING |
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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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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