



EUROPEAN COMMISSION
EUROSTAT

Directorate F: Social statistics
Unit F-4: Income and living conditions; Quality of life

SILC DISCLOSURE CONTROL RULES

YEAR 2023

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 2023 guidelines and the user database.

1. GENERAL RULES

Applied for all countries except when specified in 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).

CALCULATED ADDED VARIABLES

(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

NOT DISSEMINATED VARIABLES

Nucleus variables included until 2020 SILC operation year and no longer belonging to SILC exercise as from 2021 will not be disseminated in UDB.

In addition, the following SILC current nucleus variables are not disseminated in UDB:

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

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

PB260: Nature of participation in the survey
PB265: Personal ID of person who filled in the questionnaire
PE010: Current education activity
PE021: ISCED level currently attended
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
PL016: 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
PL111A, PL111B: NACE Rev.2
PL120: Reason for working less than 30 hours
PL150: Managerial position
PY200g: Gross monthly earnings for employees

RB050: Personal cross-sectional weight
RB083: Passing of birthday at time of interview
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

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
RB081: Age in completed years
RB082: Age in completed years at the time of the interview
 → 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.

PE041: 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.

RB280: Country of birth

→ Recoded "LOC", "EU" "OTH".

RB290: Citizenship 1

→ Recoded "LOC", "EU" "OTH".

RB285: Duration of stay in the country of residence in completed years

→ Grouped in 5-year classes (as done for the cross-sectional data)

HB050: Month of household interview

→ Grouped into quarters.

HH010: Dwelling type

→ 5 recoded as missing.

PB230: Country of birth of father

→ Recoded "LOC", "EU" "OTH".

PB240: Country of birth of mother

→ Recoded "LOC", "EU" "OTH".

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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PE041: Highest ISCED level attained

→ 300, 340, 342, 343, 344, 349, 350, 352, 353, 354, 359, 390, 392, 393, 394, 399 grouped into 300.
→ 400, 440, 450, 490 grouped into 400.
→ 500, 540, 550, 590 grouped into 500.

RG_Z#: Grid → removed

RB032: Sequential number of the persons in the household → removed

HB110: Household type → removed

RB081: Age in completed years → removed

RB082: Age in completed years at the time of the interview → removed

RB280: Country of birth → removed

RB290: Citizenship 1 → removed

RB285: Duration of stay in the country of residence in completed years → removed

PB230: Country of birth of father → removed

PB240: Country of birth of mother → removed

3. CALCULATED 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 years old 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 practice; number of persons 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" is 80 years old 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, PY035G, PY050G, PY070G, PY080G, PY090G, PY100G, PY110G, PY120G, PY130G, PY140G*:

- *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