



SILC DISCLOSURE CONTROL RULES

YEAR 2015

CROSS-SECTIONAL DATA

DIFFERENCES BETWEEN ORIGINAL DATABASE AND ANONYMISED USER DATABASE

1. GENERAL RULES

Applied for all countries except when specified on point 2

1.1. VARIABLES ADDED

RX010: Age at the time of interview

RX020: Age at the end of income reference period

RX030: Household identification number

RX040: Work intensity

RX050: Low work intensity status (0=no lwi, 1=lwi, 2=N/A)

RX060: Severely materially deprived (0=not deprived, 1=deprived)

RX070: At risk of poverty or social exclusion (1st digit= at risk of poverty, 2nd digit= Severely materially deprived, 3rd digit= Low work intensity (0 when LWI in (0,2) 1 when LWI=1)

HX010: Change rate

HX040: Household size

HX050: Equivalised household size

HX060: Household type

HX070: Tenure status

HX080: Poverty indicator

HX090: Equivalised disposable income

HX120: Overcrowded household (0=not overcrowded, 1=overcrowded, .=N/A)

PX010: Change rate

PX020: Age at the end of the income reference period

PX030: Household identification number

PX040: Selected respondent status

PX050: Activity status

1.2. VARIABLES REMOVED

DB050: Primary strata

DB080: Household design weight

DB120: Contact at address

DB130: Household questionnaire result

DB135: Household interview acceptance

RB041: Personal ID

HB040: Day of household interview

PB070: Personal design weight for selected respondent

PB090: Day of the personal interview

PB220B: Citizenship 2

1.3. 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

PE020: ISCED level currently attended

→ 50 and above

PE040: Highest ISCED level attained

→ 500 and above

PX020: Age at the time of interview

→ 80 and above

1.4. GROUPING / RECODING / PROCESSING

DB040: NUTS

→ NUTS 1 level only

RB031: Year of immigration

→ grouped in 5 year classes according to:

2015 - 2011 = 2015

2010 - 2006 = 2010

2005 - 2001 = 2005

2000 - 1996 = 2000

1995 - 1991 = 1995

1990 - 1986 = 1990

1985 - 1981 = 1985

1980 - 1976 = 1980

1975 - 1971 = 1975

1970 - 1966 = 1970

1965 - 1961 = 1965

1960 - 1956 = 1960

1955 - 1951 = 1955

1950 - 1946 = 1950

1945 - 1941 = 1945

1940 - 1936 = 1940

<=1935 = 1935

RB070: Month of birth

→ Grouped into quarters

HB050: Month of household interview

→ Grouped into quarters

HH010: Dwelling type

→ 5 recoded as missing

PB130: Month of birth

→ Grouped in quarter

PB210: Country of birth

→ Recoded "LOC", "EU" "OTH"

PB220A: Citizenship 1

→ Recoded "LOC", "EU" "OTH"

PB100: Month of the personal interview

→ Grouped into quarters

PL111: NACE (Rev 2)

1 – 3= " a" /* Agriculture ,forestry and fishing*/

5 – 39="b – e"/* Mining and quarrying, Manufacturing, Electricity, gas, steam and air conditioning supply, Water supply*/

41 – 43=" f" /* Construction */

45 – 47=" g" /* Wholesale retail */

49 – 53=" h" /* Transportation and storage*/

55 – 56=" i" /* Accommodation and food service activities*/

58 – 63=" j" /* Information and communication */

64 – 66=" k" /* Financial and insurance activities */
68 – 82="l – n" /* Real estate activities, Professional, scientific and technical activities, Administrative and support service activities */
84=" o" /* Public administration and defence, compulsory social security */
85=" p" /* Education */
86 – 88=" q" /* Human health and social work activities*/
90 – 99="r – u"/* Arts, entertainment and recreation, Other service activities, Activities as household as employer..., Activities of extraterritorial organisations and bodies*/

1.5. PERTURBATION / PROCESSING

DB030: Household ID

→ Randomised and appropriate modification of related identification numbers (RB030, RX030, RB220, RB230, RB240, RB270, HB030, HB070, HB080, HB090, PB030, PX030, PB160, PB170, PB180)

DB060: PSU-1 (first stage)

→ Randomised

DB062: PSU-2 (second stage)

→ Randomised

2. SPECIFIC RULES

2.1. AT

No randomisation of Household and Personal ID

2.2. CZ

No randomisation of PSU1 and PSU2

DB040: Region

→ NUTS2

2.3. DE

DB040: NUTS

RB070: Month of birth

PB130: Month of birth

→ Not provided

PB210: Country of birth

PB220A: Citizenship 1

→ Recoded "LOC" and "OTH" (including "EU")

2.4. EE

DB100: Degree of urbanisation

→ Merging "2" and "1" into "1"

HY010: Total household gross income

HY020: Total disposable household income

HY022: Total disposable household income before social transfers other than old-age and survivor's benefits

HY023: Total disposable household income before social transfers including old-age and survivor's benefits

HY090G: Net interest, dividends, profit from capital investment in unincorporated business

HY120G: Regular taxes on wealth

HY140G: Tax on income and social insurance contribution

→ Perturbation of 3 highest HY010 incomes:

- Selection of the 3 highest HY010
- Replacement of recorded value by their weighted mean for HY010, HY020, HY022, HY023, HY090G, HY120G and HY140G
- Proportional adjustment of the related income sub-components

PB210: Country of birth

PB220A: Citizenship 1

→ Recoded "LOC" and "OTH" (including "EU")

2.5. ES

DB040: Region

→ NUTS2

2.6. FI

DB040: Region

→ NUTS2 with FI20 included in FI1B for FI

Perturbation of income variables HY090G, PY010G, PY050G and consecutive modification on related income variables HY140G, HY010, HY020, HY022, HY023 on given households and individuals.

2.7. FR

DB040: Region
→ NUTS2

PY010G/N, PY050G/N, PY080G/N, PY090-1-2-3-4G/N, PY100-1-2-3-4G/N,
PY110-1-2-3-4G/N, PY130-1-2-3-4G/N, HY020, HY022, HY023, HY040G/N,
HY080G/N, HY081G/N, HY090G/N, HY130G/N, HY131G/N, HY145N
→ rounded to the next 10 €

2.8. IE

RB070: Month of birth
→ Not provided

PB130: Month of birth
→ Not provided

2.9. IS

RB031: Year of immigration
→ Not provided

2.10.LV

DB100: Degree of urbanisation
→ Merging "2" and "1" into "1"

PB220A: Citizenship 1
PB210: Country of birth
→ Recoded "LOC" and "OTH" (including "EU")

2.11.MT

DB100: Degree of urbanisation
→ Merging "2" and "3" into "2"

HX040: Household size
→ Top-coded to "6"

PB190: Marital status
→ Recoded 3 and 5 into 3

PB210: Country of birth
PB220A: Citizenship 1
→ Recoded "LOC" and "OTH" (including "EU")

PE020: ISCED level currently attended:

→ Merged 00, 10 and 20 into 20

PL051: Occupation (ISCO-08)

→ grouped according to:

11 – 14 = “1” – Legislators, senior officials and managers

21 – 26 = “2” – Professionals

31 – 35 = “3” – Technicians and associate professionals

41 – 44 = “4” – Clerks

51 – 54 = “5” – Service workers and shop and market sales workers

61 – 63 = “6” – Skilled agricultural and fishery workers

71 – 75 = “7” – Craft and related trades workers

81 – 83 = “8” – Plant and machine operators and assemblers

91 – 96 = “9” – Elementary occupations

01 = “10” – Armed forces

PL130: Nbr. of persons working at the local unit – Merging:

→ “1” – “5” into “1”,

“6” – “10” into “2”,

“11” and “12” into “3”,

“13” into “4”,

“14” into “5” and

“15” into “6”

PL180: Most recent change in the individual's activity status – Recoded:

→ 1 – 3 = 1 – Employed – other

4 – 6 = 2 – Unemployed – other

7 – 9 = 3 – Retired - other

10 – 12 = 4 – Other inactive – other

PB130: Month of birth

RB070: Month of birth

→ Not provided

RB031: Year of immigration

→ Not provided

RB080, PB140, RX010, RX020 and PX020 grouped into 5 years

RL050: Childcare by a professional child-minder...

→ Not provided where RL050>0

2.12. NL

DB040: Region

DB100: Degree of urbanisation
RB070: Month of birth
PB130: Month of birth
→ Not provided

2.13. PT

No randomisation of PSU1 and PSU2

DB040: Region
→ not provided

RB080: Year of birth
→ Bottom coding: year of survey minus 80 and below

HH031: Year of contract or purchasing or installation
→ Bottom coding: year of survey minus 55 and below

PB140: Year of birth
→ Bottom coding: year of survey minus 80 and below

PE030: Year when highest level of education was attained
→ Bottom coding: year of survey minus 72 and below

PL051: Occupation (ISCO-08 (com))
→ Grouping 11, 12 and 13 into 14

2.14. SI

DB100: Degree of urbanisation
RB070: Month of birth
PB130: Month of birth
RB031: Year of immigration
→ Not provided

PB210: Country of birth
PB220A: Citizenship 1
→ Recoded "LOC" and "OTH" (including "EU")

PE030: Year when highest level of education was attained
HH031: Year of contract or purchasing or installation
→ Bottom coding: year of survey minus 71 and below

PE020: ISCED level currently attended
→ Bottom coding: grouping 00, 10, 20 into 20

PE040: Highest ISCED level attained

→ Bottom coding: grouping 000, 100, 200 into 200

PL051: Occupation (ISCO-08 (COM))

→ Grouping according to the first digit

HY040G/HY040N: Income from rental of a property or land

HY050G/HY050N: Family/Children-related allowances

HY060G/HY060N: Social exclusion not elsewhere classified

HY070G/HY070N: Housing allowances

HY090G/HY090N: Interest, dividends, profit from capital
investments in unincorporated business

HY110G/HY110N: Income received by people aged under 16

HY120G/HY120N: Regular taxes on wealth

PY035G/PY035N: Contributions to individual private pension plans

PY080G/PY080N: Pension from individual private plans

HY081G/HY081N: Alimonies received (compulsory + voluntary)

HY131G/HY131N: Alimonies paid (compulsory + voluntary)

PY021G/PY021N: Company car

→ Top coding »10-20 (version 1)«, i. e.:

selection of the 10 IDs with the highest original value of the gross variable

selection of the 10 IDs with the highest original value of the net variable

union of the selected IDs (this union contains at least 10 and not more than 20
IDs)

for the IDs from the union:

replacement of their original values with their weighted average for the gross
variable

replacement of their original values with their weighted average for the net
variable

→ Rounded to the nearest 10 EUR

HY080G/HY080N: Regular inter-household cash transfer received (related
variables are HY081G/HY081N: Alimonies received (compulsory + voluntary))

HY130G/HY130N: Regular inter-household cash transfer paid (related variables
are HY131G/HY131N: Alimonies paid (compulsory + voluntary))

PY020G/PY020N: Non-Cash employee income (related variables are
PY021G/PY021N: Company car)

→ Top coding »10-40«, i. e.:

selection of the 10 IDs with the highest original value of the gross variable

selection of the 10 IDs with the highest original value of the net variable

among the 10 IDs with the highest original value of the related gross variable,
selection of the IDs for which the original value of the gross variable is greater
or equal than the original value of the related gross variable

among the 10 IDs with the highest original value of the related net variable,
selection of the IDs for which the original value of the net variable is greater or
equal than the original value of the related net variable

union of the selected IDs (this union contains at least 10 and not more than 40
IDs)

for the IDs from the union:

replacement of their original values with their weighted average for the gross
variable

replacement of their original values with their weighted average for the net variable

→ Rounded to the nearest 10 EUR

PY031G: Optional employer's social insurance contributions

→ Top coding: for the highest 10 original values, replacement of the original values with their weighted average

→ Rounded to the nearest 10 EUR

PY030G: Employer's social insurance contribution (related variable is PY031G: Optional employer's social insurance contributions)

→ Top coding »10-20 (version 2)«, i. e.:

selection of the 10 IDs with the highest original value of the variable

selection of the 10 IDs with the highest original value of the related variable

union of the selected IDs (this union contains at least 10 and not more than 20 IDs)

for the IDs from the union:

replacement of their original values with their weighted average for the variable

→ Rounded to the nearest 10 EUR

PY010G/PY010N: Employee cash or near cash income

PY050G/PY050N: Cash benefits or losses from self-employment

PY090G/PY090N: Unemployment benefits

PY100G/PY100N: Old-age benefits

PY110G/PY110N: Survivor' benefits

PY120G/PY120N: Sickness benefits

PY130G/PY130N: Disability benefits

PY140G/PY140N: Education-related allowances

→ Top coding »20-40«, i. e.:

selection of the 20 IDs with the highest original value of the gross variable

selection of the 20 IDs with the highest original value of the net variable

union of the selected IDs (this union contains at least 20 and not more than 40 IDs)

for the IDs from the union:

replacement of their original values with their weighted average for the gross variable

replacement of their original values with their weighted average for the net variable

→ Rounded to the nearest 10 EUR

HY145N: Repayments/receipts for tax adjustment

→ Top coding: for the highest 10 original values, replacement of the original values with their weighted average

→ Bottom coding: for the lowest 10 original values, replacement of the original values with their weighted average

→ Rounded to the nearest 10 EUR

HY010: Total household gross income

HY020: Total disposable household income

HY022: Total disposable household income before social transfers other than old-age and survivor's benefits

HY023: Total disposable household income before social transfers including old-age and survivor's benefits

HY140G/HY140N: Tax on income and social contributions – calculated as
$$\text{HY140G} = (\text{HY040G} - \text{HY040N}) + (\text{HY090G} - \text{HY090N}) + (\text{HY050G} - \text{HY050N}) + (\text{HY060G} - \text{HY060N}) + (\text{HY070G} - \text{HY070N}) + (\text{HY110G} - \text{HY110N}) + [\text{for all household members}] (\text{PY010G} - \text{PY010N}) + (\text{PY021G} - \text{PY021N}) + (\text{PY050G} - \text{PY050N}) + (\text{PY080G} - \text{PY080N}) + (\text{PY090G} - \text{PY090N}) + (\text{PY100G} - \text{PY100N}) + (\text{PY110G} - \text{PY110N}) + (\text{PY120G} - \text{PY120N}) + (\text{PY130G} - \text{PY130N}) + (\text{PY140G} - \text{PY140N}) + \text{HY145N}$$

HX090: Equivalised disposable income

→ Computed from other (already protected) variables

2.15.UK

All records (at household and individual level) pertaining to households of size 10 and over are suppressed.

RB070: Month of birth

PB130: Month of birth

→ Not provided

HY010: Total household gross income

HY020: Total disposable household income

HY022: Total disposable household income before social transfers other than old-age and survivor's benefits

HY023: Total disposable household income before social transfers including old-age and survivor's benefits

HY090G: Net interest, dividends, profit from capital investment in unincorporated business

HY120G: Regular taxes on wealth

HY140G: Tax on income and social insurance contribution

→ Perturbation of 3 highest HY010 incomes for each wave:

- Selection of the highest HY010
- Replacement of recorded value by their weighted mean for HY010, HY020, HY022, HY023, HY090G, HY120G and HY140G
- Proportional adjustment of the related income sub-components

All HY and PY variables (including disaggregated variables), as well as HH060, HH061, HH070, HH071 and HS130 are rounded to the nearest 50 Euros.