



EUROPEAN COMMISSION
EUROSTAT

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

SILC DISCLOSURE CONTROL RULES

YEAR 2013

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

PX200: Well-being module weight (=PW005 or PB040 or PB060 depending on country)

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

PE040: Highest ISCED level attained

→ 5 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:

2013 - 2009 = 2013

2008 - 2004 = 2008

2003 - 1999 = 2003

1998 - 1994 = 1998

1993 - 1989 = 1993

1988 - 1984 = 1988

1983 - 1979 = 1983

1978 - 1974 = 1978

1973 - 1969 = 1973

1968 - 1964 = 1968

1963 - 1959 = 1963

1958 - 1954 = 1958

1953 - 1949 = 1953

1948 - 1944 = 1948

1943 - 1939 = 1943

1938 - 1934 = 1938

<=1933 = 1933

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 Household and Personal ID

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

No randomisation of Household and Personal ID

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 X households and X individuals.

2.7. FR

No randomisation of Household and Personal ID

DB040: Region
→ NUTS2

PY010G/N, PY050G/N, PY080G/N, PY090G/N, PY100G/N, PY110G/N,
PY130G/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.IT

No randomisation of Household and Personal ID

2.11.LV

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

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

2.12.MT

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

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 0, 1 and 2 into 2

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

RB070: Month of birth

PB130: Month of birth

→ Not provided

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

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

→ Not provided where RL050>0

2.13. NL

No randomisation of Household and Personal ID

DB040: Region

DB100: Degree of urbanisation

RB070: Month of birth

PB130: Month of birth

→ Not provided

2.14.PL

No randomisation of Household and Personal ID

2.15. PT

No randomisation of Household and Personal ID

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

2.16. SI

No randomisation of Household and Personal ID

DB040: Region

DB100: Degree of urbanisation

RB070: Month of birth

PB130: Month of birth

PB220A: Citizenship 1

RB031: Year of immigration

→ Not provided

PB210: Country of birth
→ Merged 2, 3 and 4 into 2

RB080: Year of birth

RX010: Age at the time of interview

RX020: Age at the end of income reference period

PB140: Year of birth

PE030: Year when highest level of education was attained

PX020: Age at the end of income reference period

→ Random perturbation of RB080 inside appropriate year age classes (not exceeding 5 years) and appropriate modification of related age variables for 25 household with highest HY010.

INCOME VARIABLES:

aggregation as described in the following table. The value of the variable will be replaced by the centre of the class.

Variable	Class	Width of the class (in national currency – EURO)
HY090N/HY090G: Net interest, dividends, profit from capital investment in unincorporated business	1.00-20.00	5
	20.01-200.00	10
	200.01-500.00	20
	500.01-2,000.00	50
	2,000.01-5,000.00	500
	5,000.01-10,000.00	2500
	Over 10,000.00	The average value above 10.000
HY120N/HY120G: Regular taxes on wealth	1.00-150.00	5
	150.01-500.00	10
	500.01-1000.00	50
	Over 1000.00	The average value above 1.000.00
PY010G Employee cash or near cash income	1.00-20,000.00	50
	20,000,00-50,000.00	200
	50,000,01-100,000.00	500
	Over 100,000.00	The average value above 100.000
PY010N Employee cash or near cash income	1.00-15,000.00	50
	15,000.01-25,000.00	200
	25,000.01-75,000.00	500
	Over 75,000.00	The average value above 75.000
PY020G Non cash employee income	1.00-1000.00	5
	1000.01-5,000,00	20
	5,000.01-10,000.00	100
	Over 10,000.00	The average value above 10.000
PY020N Non cash employee income	1.00-750.00	5
	750.01-4,000,00	20
	4,000.01-7,500.00	100
	Over 7,500.00	The average value above 7.500
PY050G Cash benefits or	1.00-10,000.00	50
	10,000,01-40,000.00	200

Variable	Class	Width of the class (in national currency – EURO)
losses from self employment	Over 40,000.00	The average value above 40.000
PY050N Cash benefits or losses from self employment	1.00-7,500.00 7,500.01-30,000.00 Over 30,000.00	50 200 The average value above 30.000
PY090G Unemployment benefits	1.00-5,000.00 5,000.00-7,000.00 Over 7,000.00	50 200 The average value above 7,000.00
PY090N Unemployment benefits	1.00-3,000.00 3,000.01-5,242.78 Over 5,242.79	50 200 The average value above 5242,79
PY100G Old age benefits	1.00-10,000.00 10,000.01-15,000.00 Over 15,000.00	50 200 The average value above 15.000
PY100N Old age benefits	1.00-10,000.00 10,000.01-15,000.00 Over 15,000.00	50 200 The average value above 15.000
PY110G Survivor's benefits	1.00-10,000.00 10,000.01-15,000.00 Over 15,000.00	50 200 The average value above 15.000
PY110N Survivor's benefits	1.00-10,000.00 10,000.01-15,000.00 Over 15,000.00	50 200 The average value above 15.000
PY130G Disability benefits	1.00-10,000.00 10,000.01-15,000.00 Over 15,000.00	50 200 The average value above 15.000
PY130N Disability benefits	1.00-10,000.00 10,000.01-15,000.00 Over 15,000.00	50 200 The average value above 15.000
PY140G Education related allowances	1.00-2,000.00 2,000.00-5,000.00 Over 5,000,00	50 200 The average value above 5.000
PY140N Education related allowances	1.00-2,000.00 2,000.00-5,000.00 Over 5,000,00	50 200 The average value above 5.000

Variables HY140G/HY140N, HY010, HY020, HY022 and HY023 are calculated according to the new (replaced) values.

LOCAL SUPPRESSION:

Use of Mu-ARGUS following the Dutch scenario (spontaneous recognition) with a threshold =3.

The set of identifying variables is like the following:

Name	Suppr. Weight	Very identifying (V: identification level = 2) Identifying (I: identification level = 3)
HH010	50	I
HH021	50	I
HH030	50	I
HH081	50	I
HX050	100	I
HX060	100	I
RB080	80	I
RB090	90	V
RB210	50	I
PB190	50	I
PB200	50	I
PB210	50	V
PE010	50	I
PE020	50	I
PE040	50	I
PL031	50	I
PL040	50	I
PL051	50	I
PL130	50	I
PL111	50	I

2.17.SK

No randomisation of Household and Personal ID

2.18. 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, as well as HH060, HH061, HH070, HH071 and HS130 are rounded to the nearest 50 Euros.