



EUROPEAN COMMISSION  
EUROSTAT

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

# **SILC DISCLOSURE CONTROL RULES**

**YEAR 2010**

## **LONGITUDINAL DATA**

### **DIFFERENCES BETWEEN ORIGINAL DATABASE AND ANONYMISED USER DATABASE**

#### **1. GENERAL RULES**

Applied for all countries except when specified on point 2

##### **1.1. INCOME VARIABLES**

All income 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).

##### **1.2. 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

### **1.3. 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

### **1.4. 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

PX020: Age at the end of income reference period  
→ 80 and above

### **1.5. 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 in quarter

PB100: Month of the personal interview  
→ Grouped into quarters

## **1.6. PERTURBATION / PROCESSING**

DB060: PSU-1 (first stage)  
→ Randomised

DB062: PSU-2 (second stage)  
→ Randomised

## **2. SPECIFIC RULES**

### **2.1. BE**

RB140: Month when the person moved out or died  
→ not recoded in quarters

RB180: Month when the person moved in  
→ not recoded in quarters

### **2.2. CZ**

No randomisation of PSU1 and PSU2

DB040: Region  
→ NUTS2

## **2.3. DE**

No release of any data

## **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 for each wave:

- 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

## **2.5. ES**

DB040: Region

→ NUTS2

## **2.6. FI**

DB040: Region

→ NUTS2 with FI20 included in FI18

RB080: Year of birth

RX010: Age at the time of interview

RX020: Age at the end of income reference period

PB140: Year of birth

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 on selected households for all waves

## **2.7. FR**

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. IS**

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

RB080: Year of birth  
RX010: Age at the time of interview  
RX020: Age at the end of income reference period  
PB140: Year of birth  
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 4 household with highest HY010 in each year, and appropriate modification for all waves

## 2.9. LV

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

## 2.10.MT

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

PB190: Marital status  
→ recoded 3 and 5 into 3

PL050: Occupation (ISCO-88) grouped according to:  
→ 11 – 13 = "1" – Legislators, senior officials and managers  
21 – 24 = "2" – Professionals  
31 – 34 = "3" – Technicians and associate professionals  
41 – 42 = "4" – Clerks  
51 – 52 = "5" – Service workers and shop and market sales workers  
61 = "6" – Skilled agricultural and fishery workers  
71 – 74 = "7" – Craft and related trades workers  
81 – 83 = "8" – Plant and machine operators and assemblers  
91 – 93 = "9" – Elementary occupations  
01 = "10" – Armed forces

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

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

## 2.11.NL

DB040: Region  
DB100: Degree of urbanisation  
RB070: Month of birth  
PB130: Month of birth  
→ Not provided

RB140: Month when the person moved out or died  
RB180: Month when the person moved in  
→ Not provided

## 2.12.PT

DB040: Region

→ not provided

HH031: Year of contract or purchasing or installation

→ Bottom coding 1953 and below

PL050: Occupation (ISCO-88 (com))

→ Grouping 11 and 12 into 13

PL200: number of years spent in paid work

→ top coding 65 and above

## 2.13.SI

DB040: Region

DB100: Degree of urbanisation

RB070: Month of birth

PB130: Month of birth

→ Not provided

RB080: Year of birth

RX010: Age at the time of interview

RX020: Age at the end of income reference period

PB140: Year of birth

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 (RX010, RX020, PB140 and PX020) for 25 household with highest HY010 in each wave (not only for the highest HY010 in 2005).

### INCOME VARIABLES:

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

Variable	From – to (in national currency - EUR)	Width of the class (in national currency - EUR)
HY090N/HY090G: Net interest, dividends, profit from capital investment in unincorporated business	1-20.00	5
	20.01-200.00	10
	200.01-500.00	20
	500.01-2000.00	50
	2000.01-5000.00	500.00
	5000.01-10000.00	2000.00
	Over 10000.000	The average value above 10000
HY120N/HY120G: Regular taxes on	1-150.00	5
	150.01-500.00	10

wealth	500.01-1000.00 Over 1000.00	50 The average value above 1000
PY010G Employee cash or near cash income	1-20000.00 20000.01-50000.00 50000.01-100000.00 Over 100000	50 200 500 The average value above 100000
PY010N Employee cash or near cash income	1-15000.00 15000.01-25000.00 25000.01-75000.00 Over 75000.00	50 200 500 The average value above 75000
PY020G Non cash employee income	1.00-1000.00 1000.01-5000.00 5000.01-10000.00 Over 10000.00	5 20 100 The average value above 10000
PY020N Non cash employee income	1.00-750.00 750.01-4000.00 4000.01-7500.00 Over 7500.00	5 20 100 The average value above 7500
PY050G Cash benefits or losses from self employment	1.00-10000.00 10000.01-40000.00 Over 40000.00	50 200 The average value above 40000
PY050N Cash benefits or losses from self employment	1.00-7500.00 7500.01-30000.00 Over 30000.00	50 200 The average value above 30000
PY090G Unemployment benefits	1-5000.00 5000.01-7000.00 Over 7000	50 200 The average value above 7000
PY090N Unemployment benefits	1-3000.00 3000.01-5242.78 Over 5242.78	50 200 The average value above 5242.78
PY100G Old age benefits	1-10000.00 10000.01-15000.00 Over 15000.00	50 200 The average value above 15000
PY100N Old age benefits	1-10000.00 10000.01-15000.00 Over 15000.00	50 200 The average value above 15000
PY110G Survivor's benefits	1-10000.00 10000.01-15000.00 Over 15000.00	50 200 The average value above 15000
PY110N Survivor's benefits	1-10000.00 10000.01-15000.00 Over 15000.00	50 200 The average value above 15000
PY130G Disability benefits	1-10000.00 10000.01-15000.00 Over 15000.00	50 200 The average value above 15000
PY130N Disability benefits	1-10000.00 10000.01-15000.00 Over 15000.00	50 200 The average value above 15000



PY140G Education related allowances	1.00-2000.00	50
	2000.00-5000.00	200
	Over 5000.00	The average value above 5000
PY140N Education related allowances	1.00-2000.00	50
	2000.00-5000.00	200
	Over 5000.00	The average value above 5000

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 process with  $\mu$ Argus is done for first wave. Each resulting local suppression is applied to all the waves whenever possible. This process is repeated until the last wave.

The set of identifying variables is like the following:

<b>Name</b>	<b>Suppr. Weight</b>	<b>Very identifying (V), Identifying (I)</b>
<i>RB080</i>	<i>80</i>	I
<i>RB090</i>	<i>90</i>	V
<i>RB210</i>	<i>50</i>	I
<i>HH010</i>	<i>50</i>	I
<i>HH020</i>	<i>50</i>	I
<i>HH021</i>	<i>50</i>	I
<i>HH030</i>	<i>50</i>	I
<i>HH080</i>	<i>50</i>	I
<i>HH081</i>	<i>50</i>	I
<i>HS110</i>	<i>50</i>	I
<i>PB190</i>	<i>50</i>	I

<i>PB200</i>	<i>50</i>	
<i>PE040</i>	<i>50</i>	
<i>PL030</i>	<i>50</i>	
<i>PL031</i>	<i>50</i>	
<i>PL040</i>	<i>50</i>	
<i>PL050</i>	<i>50</i>	
<i>HX050</i>	<i>100</i>	
<i>HX060</i>	<i>100</i>	

## 2.14.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

DB040: Region

→ NUTS2

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