



EUROPEAN COMMISSION  
EUROSTAT

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

## **YEAR 2012**

### **CROSS-SECTIONAL DATA**

#### **DIFFERENCES BETWEEN DATA COLLECTED (as described in the guidelines) AND 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 2012 guidelines and the user database.

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 (please see for more details § 1.3.8 below).

### **1. DATA REMOVED**

#### **1.1. All countries except when specified on point 1.2**

##### **1.1.1. 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

### *1.1.2. 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

### *1.1.3. GROUPING / RECODING / PROCESSING*

DB040: NUTS

→ NUTS 1 level only

RB031: Year of immigration

→ grouped in 5 year classes according to:

**2012 - 2008** = 2012

**2007 - 2003** = 2007

**2002 - 1998** = 2002

**1997 - 1993** = 1997

**1992 - 1988** = 1992

**1987 - 1983** = 1987

**1982 - 1978** = 1982

**1977 - 1973** = 1977

**1972 - 1968** = 1972

**1967 - 1963** = 1967

**1962 - 1958** = 1962

**1957 - 1953** = 1957

**1952 - 1948** = 1952

**1947 - 1943** = 1947

**1942 - 1938** = 1942

**1937 - 1933** = 1937

**<=1932** = 1932

RB070: Month of birth  
→ Grouped into quarters

HB050: Month of household interview  
→ Grouped into quarters

HH010: Dwelling type  
→ Modality 1 to 4 only

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\*/

#### *1.1.4. 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

## **1.2. SPECIFIC RULES**

### *1.2.1. AT*

No randomisation of Household and Personal ID

HC020: Size of the dwelling in square metres

→ Top coded to 200

### *1.2.2. BE*

No data released

### *1.2.3. CH*

HC020: Size of the dwelling in square metres

→ Top coded to 250

### *1.2.4. CZ*

No randomisation of Household and Personal ID

No randomisation of PSU1 and PSU2

DB040: Region

→ NUTS2

### *1.2.5. DE*

DB040: NUTS

RB070: Month of birth

PB130: Month of birth

→ Not provided

PB210: Country of birth

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

PB220A: Citizenship 1

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

### 1.2.6. *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

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

PB220A: Citizenship 1

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

### 1.2.7. *ES*

DB040: Region  
→ NUTS2

HC020: Size of the dwelling in square metres  
→ Top coded to 200

### 1.2.8. *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 4 households and 9 individuals.

*1.2.9. 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 €

*1.2.10. HU*

HC020: Size of the dwelling in square metres  
→ Bottom coded to 25  
→ Top coded to 200

*1.2.11. IE*

RB070: Month of birth  
→ Not provided

PB130: Month of birth  
→ Not provided

HC020: Size of the dwelling in square metres  
→ Bottom coded to 37 (=400 Sq Ft)  
→ Top coded to 372 (=4000 Sq Ft)

*1.2.12. IS*

RB031: Year of immigration  
→ Not provided

*1.2.13. IT*

No randomisation of Household and Personal ID

1.2.14. *LT*

HC020: Size of the dwelling in square metres  
→ Top coded to 200

1.2.15. *LU*

HC020: Size of the dwelling in square metres  
→ Top coded to 400

1.2.16. *LV*

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

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

PB220A: Citizenship 1  
→ Recoded "LOC" and "OTH" (including "EU")

1.2.17. *MT*

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

PB190: Marital status  
→ recoded 3 and 5 into 3

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

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, PT050, PT080, RX010, RX020 and PX020 grouped into 5 years

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

→ Not provided where RL050>0

### *1.2.18. NL*

No randomisation of Household and Personal ID

DB040: Region

DB100: Degree of urbanisation

RB070: Month of birth

PB130: Month of birth

→ Not provided

### *1.2.19. NO*

HC020: Size of the dwelling in square metres

→ Top coded to 400

*1.2.20. PL*

No randomisation of Household and Personal ID

*1.2.21. 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

HC020: Size of the dwelling in square metres

→ Top coded to 200

*1.2.22. 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

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

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 center 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
	5,000.00-10,000.00	2500
HY120N/HY120G : Regular taxes on wealth	Over 10,000.00	The average value above 10.000
	1.00-150.00	5
	150.01-500.00	10
	500.01-1000.00	50
PY010G Employee cash or near cash income	Over 1000.00	The average value above 1.000.00
	1.00-20,000.00	50
	20.000,00-50,000.00	200
	50.000,01-100,000.00	500
PY010N Employee cash or near cash income	Over 100,000.00	The average value above 100.000
	1.00-15,000.00	50
	15,000.01-25,000.00	200
	25,000.01-75,000.00	500
PY020G Non cash employee income	Over 75,000.00	The average value above 45.000
	1.00-1000.00	5
	1000.01-5.000,00	20
	5,000.01-10,000.00	100
PY020N Non cash employee income	Over 10,000.00	The average value above 10.000
	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

Variable	Class	Width of the class (in national currency – EURO)
PY050G Cash benefits or losses from self employment	1.00-10,000.00 10,000.01-40,000.00 Over 40,000.00	50 200 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.

1.2.23. *SK*

No randomisation of Household and Personal ID

1.2.24. *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

→ NUTS1

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.

### 1.3. VARIABLES ADDED

1.3.1. *RX010: Age at the time of interview*

A household member coded "80" has 80 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.

*1.3.2. RX020: Age at the end of 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

*1.3.3. RX030: Household identification number*

*RX030 = DB030*

*1.3.4. RX040: Work intensity*

Continuous variable from 0 to 1 (People older than 59 has WORK\_INT = 99)

Based on persons aged 18-59 (students excluded)

The work intensity status is assigned to each household member

*1.3.5. RX050: Low work intensity status*

0= no LWI, 1= LWI, 2= N/A)

*1.3.6. RX060 : Severely materially deprived household*

(0=not severely deprived, 1= severely deprived)

*1.3.7. 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)

*1.3.8. HX010: Change rate*

Conversion factor: euro / national currency

It 's 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.  $HY020 * HX010 = \text{income data (national currency)}$**

Should you wish to compute the amount in ppp (purchasing power parities), apply:

For countries members of the euroarea:  $HY020 / \text{ppp}$

For countries not members of the euroarea:  $HY020 * HX010 / \text{ppp}$

The ppp values of each country can be found in the XL-file included in the UDB documentation on the CD.

#### *1.3.9. 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)

#### *1.3.10. HX050: Equivalised household size*

Calculation of equivalised household size

Let

$HM_{14+}$  number of household members aged 14 and over (at the end of income reference period)

$HM_{13-}$  number of household members aged 13 or less (at the end of income reference period)

The equivalised household size is defined as:

$$HX050 = 1 + 0.5 * (HM_{14+} - 1) + 0.3 * HM_{13-}$$

#### *1.3.11. HX060: Household type*

5 - One person household

6 - 2 adults, no dependent children, both adults under 65 years

7 - 2 adults, no dependent children, at least one adult 65 years or more

8 - Other households without dependent children

- 9 - Single parent household, one or more dependent children
- 10 - 2 adults, one dependent child
- 11 - 2 adults, two dependent children
- 12 - 2 adults, three or more dependent children
- 13 - Other households with dependent children
- 16- Other ( these household are excluded from Laeken indicators calculation)

Where dependent children is defined as:

- Household members aged 17 or less
- Household members aged between 18 and 24; economically inactive and living with at least one parent.

#### *1.3.12. HX070: Tenure status*

HX070 is derived from HH020 and is used to calculate all “by tenure status” LAEKEN indicators

HX070 = 1 when HH020= 1 or 4

HX070 = 2 when HH020= 2 or 3

HX070 is missing when HH020 is missing

#### *1.3.13. HX080: Poverty indicator*

HX080= 0 when HX090 >= at risk of poverty threshold (60% of MEDIAN HX090)

HX080= 1 when HX090 < at risk of poverty threshold (60% of MEDIAN HX090)

#### *1.3.14. HX090: Equivalised disposable income*

$HX090 = (HY020 + \text{SUM}(PY080G)) * HY025 / HX050$

#### *1.3.15. HX120: Overcrowded household*

(0=not overcrowded, 1=overcrowded, .=N/A)

*1.3.16. PX010: Change rate*

Conversion factor: euro / national currency

It 's 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)

*1.3.17. 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

*1.3.18. PX030: Household identification number*

PX030 = DB030

*1.3.19. PX040: Selected respondent status*

PX040 = RB245

*1.3.20. PX050: Activity status*

1 =

2 = SAL

3 = NSAL

4 = other employed (when time of SAL and NSAL is  $> \frac{1}{2}$  of total time calendar)

5 = unemployed

6 = retired

7 = inactive

8 = other inactive (when time of unemployed, retirement and inactivity is  $> \frac{1}{2}$  of total time calendar)