



EUROPEAN COMMISSION
EUROSTAT

Directorate F: Social Statistics and Information Society
Unit F-3: Living conditions and social protection statistics



**DESCRIPTION OF SILC USER DATABASE VARIABLES:
Cross-sectional and Longitudinal**

Version 2007.2 from 01-08-09

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Household Register (D-file)

DB010: Year of the survey

<i>BASIC DATA (Basic household data including degree of urbanisation)</i>

<i>Cross-sectional and longitudinal</i>

<i>Reference period: current</i>

<i>Unit: household</i>

<i>Mode of collection: interviewer</i>
--

Values

<i>year (4 digits)</i>

DB020: Country

BASIC DATA (Basic household data including degree of urbanisation)

Cross-sectional and longitudinal

Reference period: constant

Unit: household

Mode of collection: frame

Values

BE	Belgique/Belgie
DK	Danmark
DE	Deutschland
GR	Elláda
ES	España
FR	France
IE	Ireland
IT	Italia
LU	Luxembourg
NL	Nederland
AT	Österreich
PT	Portugal
FI	Suomi
SE	Sverige
UK	United Kingdom
BG	Bulgaria
CY	Cyprus
CZ	Czech republic
EE	Estonia
HU	Hungary
LV	Latvia
LT	Lithuania
MT	Malta
PL	Poland
RO	Romania
SK	Slovak republic
SI	Slovenia
HR	Croatia
IS	Iceland
NO	Norway
CH	Switzerland
TR	Turkey

DB030: Household ID

<i>BASIC DATA (Basic household data including degree of urbanisation)</i>

<i>Cross-sectional [and longitudinal]</i>

<i>Reference period: current</i>

<i>Unit: household</i>

<i>Mode of collection: frame, register or interviewer</i>

Values

<i>ID number</i> <i>see construction doc "UDB description" point 8.6.6</i>
--

DB040: Region

BASIC DATA (Basic household data including degree of urbanisation)

Cross-sectional and longitudinal

Reference period: current

Unit: household

Mode of collection: frame, register or interviewer

Values

NUTS 1 or 2

Flags

-1 Missing
1 filled

[1] NUTS 1,

[2] NUTS 2, only for FI: FI20 and FI18 coded as FI18

[3] only for DE cross-sectional : recoded NUTS1 as
 DE1 = "DE1"
 DE2 = "DE2"
 DE3, DE4, DE8, DED, DEE, DEG = "DENE"
 DE5, DE6, DE9, DEF = "DENW"
 DE7, DEB, DEC = "DECE"
 DEA = "DEA"

Only for DE longitudinal: information not provided

N/A information not provided

COUNTRY	2004	2005 / 2006	2007
BE	[1]	[1]	[1]
CZ	N/A	[2]	[2]
DK	[1]	[1]	[1]
DE	N/A	[3]	N/A
EE	[1]	[1]	[1]
EL / GR	[1]	[1]	[1]
ES	[2]	[2]	[2]
FR	[2]	[2]	[2]
IE	[1]	[1]	[1]
IT	[1]	[1]	[1]
CY	N/A	[1]	[1]
LV	N/A	[1]	[1]
LT	N/A	[1]	[1]
LU	[1]	[1]	[1]
HU	N/A	[1]	[1]
MT	N/A	N/A	N/A

NL	N/A	N/A	N/A
AT	[1]	[1]	[1]
PL	N/A	[1]	[1]
PT	N/A	N/A	N/A
SI	N/A	N/A	N/A
SK	N/A	[1]	[1]
FI	[1]	[1]	[1]
SE	[1]	[1]	[1]
UK	N/A	N/A	N/A
IS	[1]	[1]	[1]
NO	[1]	[1]	[1]

DB060: PSU-1 (first stage)**DB062: PSU-2 (second stage)**

[PSU-1 (first stage) as used in the selection of the sample]

[PSU-2 (second stage) as used in the selection of the sample]

*BASIC DATA (Basic household data including degree of urbanisation)**Cross-sectional and longitudinal**Reference period: at selection**Unit: household**Mode of collection: frame, register or sample design*

Values

1 - 9999 PSU (see below the required format)

Flags

1 filled

-2 not applicable

These ones apply to sampling designs where a direct sampling of households is impossible or impractical. In this case, a **multistage sampling** is required: the population elements are first grouped into disjoint subpopulations, called **primary sampling units (PSUs)**. A probability sample of PSUs is drawn (first-stage sampling). In each sampled PSU, we can repeat the previous procedure: we divide each PSU into subpopulations, called **secondary sampling units (SSUs)** and we draw a sample of SSUs in each PSU (second-stage sampling). A multistage sampling consists of 3 or more sampling stages. The sampling units in the last-stage sampling will be the households.

DB060 is the identification number of the selected PSUs. If there's no sampling stage, this variable will take a blank and the flag DB060_F the modality -2 (not applicable). In the same way, DB062 identifies the selected SSUs. If there is at the most one sampling stage, DB062 takes a blank and the flag DB062_F -2 (not applicable).

If the sampling has more than 3 stages, it's also necessary to identify the units selected from the third stage¹. That's why we have to define, for $i \geq 3$, the variables DB06i as the identification numbers of the units sampled at the stage i. In particular, this definition includes stratification, because stratification can be regarded as a sampling stage, where all the units are selected. In this case, DB06i are the identification numbers of each stratum. The variables DB06i will have to follow the same rules that for DB060 and DB062 and they will be sent to Eurostat in the case that sampling has more than 3 stages.

As used in the selection of the sample.

DB060, DB062....DB06i....are be recorded only the first time the household appears in the survey.

¹ Except the last-stage sampling units, that is the households. These ones are identified by the target variable DB030 (Household ID)

Required format

In principle, according to the regulation, these weights had to be coded with 4 digits as maximum. But, that cause problems if the number of PSU is bigger than 9999. That's why, in practice, the PSU will be coded between 1 and 99999.

DB070: Order of selection of PSU

[Order of selection of PSU as used in the selection of the sample]

BASIC DATA (Basic household data including degree of urbanisation)

Cross-sectional and longitudinal

Reference period: at selection

Unit: household

Mode of collection: frame, register or sample design

Values

1 - 9999 order of selection of PSU (see below the required format)

Flags

1	filled
-2	not applicable

This is relevant if primary sampling units are selected using a **systematic sampling**. In this situation, the order of the selection of the units by the systematic sampling is essential to variance calculations. Obviously, when some other sampling scheme has been used, DB070 takes a blank and the flag DB070_F the modality -2 (not applicable).

If a systematic sampling is implemented to select units at other sampling stages, it's also necessary to transmit the variable DB07(i-1), that is the order of the selection of the units of stage i (i>1).

These variables will be recorded only the first time the household appears in the survey.

Required format

In principle, according to the regulation, these weights had to be coded with 4 digits as maximum. But, that cause problems if the number of PSU is bigger than 9999. That's why, in practice, the order of selection of PSU will be coded between 1 and 99999.

DB075: Rotational group

BASIC DATA (Basic household data including degree of urbanisation)

Cross-sectional and longitudinal

Reference period: current

Unit: household

Mode of collection: constructed

Values

1 - 9 which sub sample belongs to

Flags

1 filled

-2 na (no rotational design is used)

The rotational group is only required for those countries using a rotational design.

Rotational design:

Refers to the sample selection based on a number of sub-samples or replications, each of them similar in size and design and representative of the whole population. From one year to the next, some replications are retained, while others are dropped and replaced by new replications.

In case of a rotational design based on 4 replications with a rotation of one replication per year, one of the replications shall be dropped immediately after the first year, the second shall be retained for two years, the third for 3 years, and the fourth shall be retained for 4 years. From the second year onwards: each year one new replication shall be introduced and retained for 4 years.

Rotational group

Each replication is called a rotational group and the information on the group to which the household belongs, is especially useful for controlling the implementation of the sample over time.

DB090: Household cross-sectional weight

BASIC DATA (Basic household data including degree of urbanisation)

Cross-sectional and longitudinal

Reference period: current

Unit: household

Mode of collection: constructed

Values

0+ (format 2.5)	weight (see below the required format)
-----------------	--

Flags

1	filled
---	--------

The household cross-sectional weights are obtained after adjustment of the design weights in order to correct the non-response at the household level and to improve the accuracy of the estimates, by calibration to true known totals. This variable must be recorded each year the household appears in the survey and be filled for all the households of the sample.

In particular, if a household is not accepted for database (DB135 not 1), the household cross-sectional weights must take value 0.

Required format

In principle, according to the regulation, these weights had to be coded with 2 integers and 5 decimals. But, that cause problems if the weights have at least 3 integers. That's why, in practice, household design weights will be coded with at least one integer and 5 decimals.

DB100: Degree of urbanisation

BASIC DATA (Basic household data including degree of urbanisation)

Cross-sectional and longitudinal

Reference period: current

Unit: household

Mode of collection: constructed

Values

1	densely populated area
2	intermediate area
3	thinly populated area

Flags

1	filled
-1	missing

[1] information is provided

[2] "2" (intermediate area) merged in "1" (densely populated area) then only 2 modalities ("1" and "3")

N/A information not provided

COUNTRY	2004	2005/ 2006	2007	
BE	[1]	[1]	[1]	
CZ	N/A	[1]	[1]	
DK	[1]	[1]	[1]	
DE	N/A	[1]	[1]	
EE	[2]	[2]	[2]	
EL / GR	[1]	[1]	[1]	
ES	[1]	[1]	[1]	
FR	[1]	[1]	[1]	
IE	[1]	[1]	[1]	
IT	[1]	[1]	[1]	
CY	N/A	[1]	[1]	
LV	N/A	[2]	[2]	
LT	N/A	[1]	[1]	
LU	[1]	[1]	[1]	
HU	N/A	[1]	[1]	
MT	N/A	N/A	N/A	
NL	N/A	N/A	N/A	
AT	[1]	[1]	[1]	
PL	N/A	[1]	[1]	
PT	N/A	[1]	[1]	
SI	N/A	N/A	N/A	
SK	N/A	[1]	[1]	
FI	[1]	[1]	[1]	
SE	[1]	[1]	[1]	
UK	N/A	[1]	[1]	

IS	N/A	[1]	[1]	
NO	[1]	[1]	[1]	

LFS concept:

Densely populated area

This is a contiguous set of local areas, each of which has a density superior to 500 inhabitants per square kilometre, where the total population for the set is at least 50,000 inhabitants.

Intermediate area

This is a contiguous set of local areas, not belonging to a densely-populated area, each of which has a density superior to 100 inhabitants per square kilometre, and either with a total population for the set of at least 50,000 inhabitants or adjacent to a densely-populated area.

Thinly-populated area

This is a contiguous set of local areas belonging neither to a densely-populated nor to an intermediate area.

(Labour force survey – Methods and definitions – 1998 edition)

According to the Labour Force Survey recommendations, a set of local areas totalling less than 100 square kilometres, not reaching the required density, but entirely enclosed within a densely-populated or intermediate area, is to be considered to form part of that area. If it is enclosed within a densely-populated area and an intermediate area it is considered to form part of the intermediate area.

The "local area" corresponds to the following entities in the respective States :

Belgique/Belgie: Commune/Gemeente; Danmark: Kommuner; Deutschland: Gemeinde; Ellada: Demotiko diamerisma/Koinotiko diamerisma; España, Municipio France: Commune, Ireland: DED / ward, Itali Commune, Luxembourg Commune, Nederland: Gemeente, Österreich: Gemeinde, Portugal: Freguesias, Suomi / Finland: Kunnat, Sverige :Kommuner, United Kingdom :Ward, Czech Republic: OBCE, Estonia: VALD+ALEV+LINN; Hungary: TELEPULES; Latvia: PAGAST+ PILSETAS; Poland: GMINY+MIASTA; Slovenia: OBCINAH; Slovakia: OBCE A MESTA; Lithuania: Seniunija; Cyprus: Demos/Koinotites; Malta: Localities; Bulgaria: Naseleni miasti; Romania: Comuni, Municipii, Orasi; Iceland: SVEITARFÉLAG; Norway: KOMMUNER

DB110: Household status

BASIC DATA (Basic household data including degree of urbanisation)

Longitudinal

Reference period: current

Unit: household

Mode of collection: interviewer

Values

Household from previous wave

1 At the same address as last interview

2 Entire household moved to a private household within the country

Household no longer in-scope

3 Entire household moved to a collective household or institution within the country

4 Household moved outside the country

5 Entire household died

6 Household does not contain sample person

Address non-contacted

7 Address non-contacted (unable to access, lost-no information on record on what happened to the household-)

11 Lost household (no information on record on what happened to the household)

New household for this wave

8 Split-off household

9 New address added to the sample this wave or **first wave**

Fusion

10 Fusion

Flags

1 filled

The household is at the same address as last interview: This situation appears when at least one of the sample persons lives at the same address as in the previous wave.

Entire household moved to a private household within the country: This situation appears when no sample persons lives anymore at the same address as in the previous wave, but when the household moved to a private household within the country.

Entire household moved to a collective household or institution within the country: This situation appears when all the sample persons moved to a collective household or institution within the country.

Household moved outside the country or to territories not covered by the survey: This situation appears when all the sample persons moved outside the country or to territories not covered by the survey.

Entire household deceased: This situation occurs when all the sample persons have died.

Household does not contain sample person: This situation appears when sample persons are no longer in scope for different reasons.

Address non-contacted (unable to access, lost/no information on record on what happened to the household)

Split-off households: New household split off from the household since previous wave and not considered as the initial household.

New address added to the sample this wave or first wave: The first time this household is recorded in the survey and is not a split off household (first wave, new household introduced into the sample in order to maintain the sample size because loss due to non-response).

Fusion: This situation appears when sample persons from different sample households from the previous wave join together to form a new household. The household that disappear will be coded as ‘fusion’. The household that keeps the identification number will be coded as: ‘1’ (if it stays at the same address than the last interview), as 2 (if entire household moved to a private household within the country), etc.

Initial contact with the address

It is recommended that a letter is sent before visiting the household to inform them that they have been selected to participate in the survey, the main characteristics of the survey and to request a visit to undertake an interview.

Where possible, it is recommended to make an appointment by phone in order to reduce non-contacts due to absence of the person from the home, illness etc

If the interviewer has any difficulty in finding an address there are several sources which may be helpful such as the local post office, the City Hall, the police, etc.

Where known, the telephone number of the household should be included in the interviewer instructions.

Second, third and so on contacts(longitudinal component)

A major risk of attrition in a longitudinal survey is linked to either individuals or the entire household moving between waves. Special procedures need to be established to trace all moving/split-off households. These procedures can relate to the interviewers organisation or to the central organisation:

- In order to be able to trace people or households who move between waves, several measures can be taken by the interviewer, e.g. (a) asking at each interview about any intention or expectation of a move before the next interview; (b) contacting them by mail or phone in the intervening period between waves; (c) requesting the household to inform the interviewer if a move takes place with appropriate financial incentives; (d) where a move is likely to occur, asking for the name and address of a friend or relative who could inform the interviewer about the new location.
- For those countries using a sample of addresses or households, the first task at each interview is to get all the information for the identification of the household members and on any changes in the household composition. It is important to obtain the date, reason of and the new address of any movers.
- If the interviewer is not able to get the new address, then an attempt has to be made by their supervisor and or by the central team. It is recommended that within each NDU, at least one person is concerned only with finding the new addresses of these households in the population, using the postal system/other sources if feasible.
- In relation to household moves, one proposal is to use specialised or more experienced interviewers who will have a closer relationship with the supervisor.

- The interviewer shall try to contact neighbours, population registers or whatever other source of information in order to know the situation of the sample persons who lived there.

Once the new address has been obtained, the interviewer shall try to locate the household at the new address if within the interviewers area. Where the address is outside of the interviewers area, the interviewer should advise their supervisor of the change of address.

Personal Register (R-file)

RB010: Year of the survey

<i>BASIC DATA (Basic personal data)</i>

<i>Cross-sectional and longitudinal</i>

<i>Reference period: current</i>

<i>Unit: all current household members (of any age) and former household members</i>
--

<i>Mode of collection: Interviewer</i>
--

Values

<i>year (4 digits)</i>

RB020: Country

BASIC DATA (Basic personal data)

Cross-sectional and longitudinal

Reference period: constant

Unit: all current household members (of any age) and former household members

Mode of collection: frame

Values

BE	Belgique/Belgie
DK	Danmark
DE	Deutschland
GR	Ellada
ES	España
FR	France
IE	Ireland
IT	Italia
LU	Luxembourg
NL	Nederland
AT	Österreich
PT	Portugal
FI	Suomi
SE	Sverige
UK	United Kingdom
BG	Bulgaria
CY	Cyprus
CZ	Czech republic
EE	Estonia
HU	Hungary
LV	Latvia
LT	Lithuania
MT	Malta
PL	Poland
RO	Romania
SK	Slovak republic
SI	Slovenia
IS	Iceland
HR	Croatia
NO	Norway
CH	Switzerland
TR	Turkey

RB030: Personal ID

BASIC DATA (Basic personal data)

Cross-sectional and longitudinal

Reference period: constant

Unit: all current household members (of any age) and former household members

Mode of collection: Frame, register or interviewer

Values (cross-sectional)

ID number *see construction in doc "UDB description" point 8.6.6'*

RB040: Current household id

<i>BASIC DATA (Basic personal data)</i>

<i>Longitudinal</i>

<i>Reference period: current</i>

<i>Unit: all current household members (of any age) and former household members</i>
--

<i>Mode of collection: Frame, register or interviewer</i>

Values

<i>ID number</i> <i>see DB030</i>

RB050: Personal cross-sectional weight

<i>BASIC DATA (Basic personal data)</i> <i>Cross-sectional</i> <i>Reference period: constant</i> <i>Unit: all current household members (of any age)</i> <i>Mode of collection: constructed</i>

Values

0+ (format 2.5) weight (see below the required format)
--

Flags

1 filled

Required format

In principle, according to the regulation, these weights had to be coded with 2 integers and 5 decimals. But, that cause problems if the weights have at least 3 integers. That's why, in practice, household design weights will be coded with at least one integer and 5 decimals.

RB060: Personal base weight

BASIC DATA (Basic personal data)

Longitudinal

Reference period: constant

Unit: all current household members (of any age) and former household members

Mode of collection: constructed

Values

0+ (format 2.5) weight (see below the required format)

Flags

1 filled

Required format

In principle, according to the regulation, these weights had to be coded with 2 integers and 5 decimals. But, that cause problems if the weights have at least 3 integers. That's why, in practice, weights will be coded with at least one integer and 5 decimals.

Weight to be used on longitudinal set of four years duration, for (Y-3) to Y

The personal base weight can have the value 0, namely for non panel persons.

RB062: Longitudinal weight (two-year duration)

<i>BASIC DATA (Basic personal data)</i>

<i>Longitudinal</i>

<i>Reference period: constant</i>

<i>Unit: all current household members (of any age) and former household members</i>
--

<i>Mode of collection: constructed</i>
--

Values

0 (format 2.5)

Flags

-1	missing
----	---------

1	filled
---	--------

Required format

It will be coded with at least one integer and 5 decimals.

Weight to be used on longitudinal set of two years duration, for (Y-1) to Y

RB063: Longitudinal weight (three-year duration)

BASIC DATA (Basic personal data)

Longitudinal

Reference period: constant

Unit: all current household members (of any age) and former household members

Mode of collection: constructed

Values

0 (format 2.5) weight (see below the required format)

Flags

-2	N/A (no 3 year trajectory for the individual, i.e individual in first or second wave)
-1	missing
1	filled

Required format

It will be coded with at least one integer and 5 decimals.

Weight to be used on longitudinal set of three years duration, for (Y-2) to Y

RB070: Quarter of birth

BASIC DATA (Demographic data)

Cross-sectional and longitudinal

Reference period: constant

Unit: all current household members (of any age) and former household members

Mode of collection: household respondent or register

Values

1 - 4 quarter

Flags

1 filled

-1 missing

- [1] 1= January, February, March
 2= April, May, June
 3= July, August, September
 4= October, November, December
 N/A information not provided

COUNTRY	2004	2005/ 2006	2007
BE	[1]	[1]	[1]
CZ	N/A	[1]	[1]
DK	[1]	[1]	[1]
DE	N/A	N/A	N/A
EE	[1]	[1]	[1]
EL / GR	[1]	[1]	[1]
ES	[1]	[1]	[1]
FR	[1]	[1]	[1]
IE	N/A	N/A	N/A
IT	[1]	[1]	[1]
CY	N/A	[1]	[1]
LV	N/A	[1]	[1]
LT	N/A	[1]	[1]
LU	[1]	[1]	[1]
HU	N/A	[1]	[1]
MT	N/A	N/A	N/A
NL	N/A	N/A	N/A
AT	[1]	[1]	[1]
PL	N/A	[1]	[1]
PT	[1]	[1]	[1]
SI	N/A	N/A	N/A
SK	N/A	[1]	[1]
FI	[1]	[1]	[1]
SE	[1]	[1]	[1]
UK	N/A	N/A	N/A
IS	N/A	[1]	[1]

NO	[1]	[1]	[1]
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RB080: Year of birth

BASIC DATA (Demographic data)

Cross-sectional and longitudinal

Reference period: constant

Unit: all current household members (of any age) and former household members

Mode of collection: household respondent or register

Values

-year: four digits

Flags

1	filled
-1	missing

Year of birth is bottom coded like the following: year of survey – 80

For example:

Cross sectional 2004 and Longitudinal all waves when last wave is 2004:

A household member coded "1924" is born in 1924 or before

Cross sectional 2005 and Longitudinal all waves when last wave is 2005:

A household member coded "1925" is born in 1925 or before

Etc...

RB090: Sex

BASIC DATA (Demographic data)

Cross-sectional and longitudinal

Reference period: constant

Unit: all current household members (of any age) and former household members

Mode of collection: household respondent or register

Values

1	Male
2	Female

Flags

1	filled
-1	missing

RB100: Sample person or co-resident

BASIC DATA (Basic personal data)

Longitudinal

Reference period: current

Unit: all current household members (of any age)

Mode of collection: household respondent or register

Values

1	sample person
2	co-resident

Flags

1	filled
-1	missing

Implementation:

For countries selecting a sample of household (address) and using the Eurostat integrated design each sub-sample will be a panel and it will be followed during 4 years.

In the first wave of each 4 year-panel, all household members aged 14 and over will be **sample person**. Household members aged less than 14 will be **co-residents**.

In the second wave and so on , the co-residents will be the household members aged less than 14 (at the moment of the sample selection) plus household members who join a sample households after the first wave.

Note: This variable also will be filled in the cross-sectional component for those countries using a rotational panel or a pure panel and from this design they provide the cross-sectional data.

RB110: Membership status

BASIC DATA (Demographic data)

Longitudinal

Reference period: current

Unit: all current household members (of any age) and former household members

Mode of collection: household respondent or register

Values

For current household members

- 1 Was in this household in previous waves or current household member
- 2 Moved into this household from another sample household since previous wave
- 3 Move into this household from outside sample since previous wave
- 4 Newly born into this household since last wave

Not current household members

- 5 Moved out since previous wave or last interview if not contacted in previous wave
- 6 Died
- 7 Lived in the household at least three months during the income reference period and was not recorded in the register of this household

Flags

- 1 filled
- 1 missing

First year the initial household is in the survey

- 1 For current household members

Following years

Initial household

- 1 For current household members that were household members in previous waves.
- 2 For current household members that were not household members of this household in previous waves but they moved into this household from another **sample** household since previous wave.
- 3 For current household members that were not household members of this household in previous waves but they move into this household from **outside sample** since previous wave.
- 4 For newly born into this household since last wave.
- 5 Not current household members that were household members of this household in previous waves and that moved out since previous wave or last interview if not contacted in previous wave.
- 6 They were household members in previous waves and that died since previous wave or last interview if not contacted in previous wave.
- 7 For former household members that have never been recorded as current household members in previous waves.

Split-off households

- 2 For current household members that moved into this household from another sample household since previous wave.
- 3 For current household members that moved into this household from outside sample since previous wave.

The code 7 is **not to be used** for former household members in the case of **split-off households** because it is too difficult to handle in this case.

Note:

Why to introduce the former household members? In order to assess the impact of changes in household composition on social exclusion, it is important to have basic information on change of composition. This would allow the classification of changes due to death, marital breakdown, young adults leaving home, birth of children, etc.

The code 7 must however be used only from wave 2 onwards (not to use in wave 1) and only for the initial household (and not in split-off household).

The term former household member refers to a person who is not a current member of the household and was not recorded as a household member in that household in previous wave, but who lived in the household for at least three months during the income reference period.

Concerning persons not having register by mistake at the moment of data collection. If it have been impossible for some reason to correct the mistake in previous wave, they will be coded as 3.

RB120: Moved to

[To where did the person move]

BASIC DATA (Demographic data)

Longitudinal

Reference period: current

Unit: all current household members (of any age)

Mode of collection: household respondent or register

Values

1	To a private household in the country
2	To a collective household or institution in the country
3	Abroad
4	Lost

Flags

1	filled
-2	na (RB110 not = 5)

Note:

People moving to a private/collective household or institution within the country but to national territories excluded from EU-SILC will be coded as 3.

RB140: Quarter moved out or died

[Quarter when the person moved out or died]

BASIC DATA (Demographic data)

Longitudinal

Reference period: current

Unit: all current household members (of any age)

Mode of collection: household respondent or register

Values

1 - 4 quarter

Flags

1 filled
-1 missing
-2 na (RB110 not = 5 or 6)

Note: for BE the variable is coded in months (1 to 12)
For NL: information not provided

[1] 1= January, February, March
2= April, May, June
3= July, August, September
4= October, November, December

RB150: Year moved out or died

[Year when the person moved out or died]

BASIC DATA (Demographic data)

Longitudinal

Reference period: current

Unit: all current household members (of any age)

Mode of collection: household respondent or register

Values

year (4 digits)

Flags

1	filled
-1	missing
-2	na (RB110 not = 5 or 6)

RB160: Number of months in household during the income reference period
--

BASIC DATA (Demographic data)

Longitudinal

Reference period: income reference period

Unit: all current household members (of any age) and former household members

Mode of collection: household respondent or register

Values

0 - 12	number of months
--------	------------------

Flags

1	filled
-1	missing
-2	na (RB110 not = 5 or 6 or 7)

RB170: Main activity status during the income reference period

BASIC DATA (Demographic data)

Longitudinal

Reference period: income reference period

Unit: all current household members (of any age) and former household members

Mode of collection: household respondent or register

Values

1	At work
2	Unemployed
3	In retirement or early retirement
4	Other inactive person

Flags

1	filled
-1	missing
-2	na (RB110 not = 5 or 6 or 7)

The main activity status during the income reference period was 'at work' if the respondent worked (or was in paid apprenticeship or training) the majority of weeks during the income reference period.

If the main activity was not 'a job or business', the status is self-defined.

If a person spend the same number of weeks in different activities, priority should be given to economic activity ('main activity job or business') over non-economic activity and over inactivity.

At work :A person is at work if he/she works at least 1 hour during the week.

In retirement or early retirement : A person is in retirement or early retirement if he/she left his/her work for age or other reason.

RB180: Quarter moved in

[Quarter when the person moved in]

BASIC DATA (Demographic data)

Longitudinal

Reference period: current

Unit: all current household members (of any age)

Mode of collection: household respondent or register

Values

1 - 4 quarter

Flags

1 filled
-1 missing
-2 na (RB110 not = 3)

Note: for BE the variable is coded in months (1 to 12)
 For NL: information not provided

[1] 1= January, February, March
 2= April, May, June
 3= July, August, September
 4= October, November, December

RB190: Year moved in

[Year when the person moved in]

BASIC DATA (Demographic data)

Longitudinal

Reference period: current

Unit: all current household members (of any age)

Mode of collection: household respondent or register

Values

year (4 digits)

Flags

1	filled
-1	missing
-2	na (RB110 not = 3)

RB200: Residential status

BASIC DATA (Demographic data)

Cross-sectional and longitudinal

Reference period: current

Unit: all current household members (of any age)

Mode of collection: household respondent or register

Values

- | | |
|---|-----------------------------------|
| 1 | currently living in the household |
| 2 | temporarily absent |

Flags (cross-sectional)

- | | |
|----|---------|
| 1 | filled |
| -1 | missing |

Flags (longitudinal)

- | | |
|----|-------------------------------|
| 1 | filled |
| -1 | missing |
| -2 | na (RB110 not = 1, 2, 3 or 4) |

Currently living in the household

A household member is currently living in the household if he/she spends at least a night-rest in the household during the interview duration.

Temporary absent

A household member is temporarily absent if he/she does not spend at least a night-rest in the household during the interview duration because he/she is:

- in hospital/nursing home
- in full-time educational institute
- military service or equivalent
- other institution (prison etc.)
- working out of town
- on travel
- other reasons

RB210: Basic activity status

BASIC DATA (Demographic data)

Cross-sectional and longitudinal

Reference period: current

Unit: all current household members (of any age)

Mode of collection: household respondent or register

Values

1	at work
2	unemployed
3	in retirement or early retirement
4	other inactive person

Flags (cross-sectional)

1	filled
-1	missing

Flags (longitudinal)

1	filled
-1	missing
-2	na (RB110 not = 1, 2, 3 or 4)

At work : A person is at work if he/she works at least 1 hour during the reference week.

If the status is not "at work" it is self-defined.

In retirement or early retirement: A person is in retirement or early retirement if he/she left his/her work for age or other reason.

If a person is doing more than one activity during the reference week, priority should be given to economic activity ('job or business') over non-economic activity and over inactivity.

If a household member is on military service, variable RB210 will be coded as 4.

RB220: Father ID

BASIC DATA (Demographic data)
Cross-sectional and longitudinal
Reference period: current
Unit: all current household members (of any age)
Mode of collection: household respondent or register

Values

Personal Id (RB030) of father

Flags (cross-sectional)

1 filled
-1 missing
-2 na (father is not a household member)

Flags (longitudinal)

1 filled
-1 missing
-2 na (father is not a household member) or (RB110 not = 1, 2, 3 or 4)

Note:

The variable RB220 as well as variable RB230 have been included in EU-SILC in order to calculate the household composition. RB220 includes step/adoptive/foster father. If a person is living in the with his/her step-father, the personal id of his/her step-father will be provided as the personal id of the father.

In the case of same-sex couples the notion of father and mother can be replaced by parent 1 and parent 2 . Nevertheless the children in these couples must be treated the same way than in heterosexual couples and therefore the law plays a major role to determine if a partner can be considered as parent.

RB230: Mother ID

BASIC DATA (Demographic data)
Cross-sectional and longitudinal
Reference period: current
Unit: all current household members (of any age)
Mode of collection: household respondent or register

Values

Personal Id (RB030) of mother

Flags (cross-sectional)

1 filled
-1 missing
-2 na (mother is not a household member)

Flags (longitudinal)

1 filled
-1 missing
-2 na (mother is not a household member) or (RB110 not = 1, 2, 3 or 4)

Note:

The variable RB220 as well as variable RB230 have been included in EU-SILC in order to calculate the household composition. RB230 includes step/adoptive/foster mother. If a person is living in the with his/her step-mother, the personal id of his/her step-mother will be provided as the personal id of the mother.

In the case of same-sex couples the notion of father and mother can be replaced by parent 1 and parent 2 . Nevertheless the children in these couples must be treated the same way than in heterosexual couples and therefore the law plays a major role to determine if a partner can be considered as parent.

RB240: Spouse/partner ID

BASIC DATA (Demographic data)

Cross-sectional and longitudinal

Reference period: current

Unit: all current household members (of any age)

Mode of collection: household respondent or register

Values

Personal Id (RB030) of spouse/partner

Flags (cross-sectional)

1	filled
-1	missing
-2	na (spouse/partner is not a household member)

Flags (longitudinal)

1	filled
-1	missing
-2	na (spouse/partner is not a household member) or (RB110 not = 1, 2, 3 or 4)

Includes married people and partners in consensual union (with or without a legal basis)

RB245: Respondent status

BASIC DATA (Basic personal data)

Cross-sectional and longitudinal

Reference period: current

Unit: all current household members (of any age)

Mode of collection: household respondent or register

Values

All household members aged 16 and over are interviewed

1 current household member aged 16 and over

Only selected household member aged 16 and over is interviewed

2 selected respondent

3 not selected respondent

Households members aged less than 16 at the time of interview

4 not eligible person

Flags (cross-sectional)

1 filled

Flags (longitudinal)

1 filled

-2 na (RB110 not = 1, 2, 3 or 4)

For countries using a sample of households or address only values 1 and 4 are applicable.
For countries using a sample of persons (selected respondent) only the values 2,3 and 4 are applicable.

The age refers to the age at the end on the income reference period.

Note: the new born will be coded as 4

RB250: Data Status

BASIC DATA (Basic personal data)

Cross-sectional and longitudinal

Reference period: current

Unit: all current household members aged 16 and over

Mode of collection: interviewer

Values

Information or interview completed

11 information completed only from interview

12 information completed only from registers

13 information completed from both: interview and registers

14 information completed from full-record imputation

Interview not completed, though contact made

21 individual unable to respond (illness, incapacity, etc) and no proxy possible

22 failed to return self-completed questionnaire

23 refusal to co-operate

Individual not contacted because

31 person temporarily away and no proxy possible

32 no contact for other reasons

Information or interview not completed

33 information not completed: reason unknown

Flags

1 filled

-2 na (RB245 not = 1,2 or 3)

Note: for PL doesn't use the code 14 for full –record imputation but keeps 21 to 33 codes

RB260: Type of interview

BASIC DATA (Basic personal data)

Cross-sectional and longitudinal

Reference period: current

Unit: Selected respondent (where applies) or all current household members aged 16 and over

Mode of collection: Interviewer

Values

1	face to face interview-PAPI
2	face to face interview-CAPI
3	CATI, telephone interview
4	self-administered by respondent
5	proxy interview

Flags

1	filled
-1	missing
-2	na (RB250 not = 11 or 13)

Proxy interview, refers to personal interview with another member of the household.

RB270: Personal ID of proxy

[Personal ID of person who filled in the individual questionnaire]

BASIC DATA (Basic personal data)

Cross-sectional and longitudinal

Reference period: current

Unit: selected respondent (where applies) or all current household members aged 16 and over

Mode of collection: interviewer

Values

Personal Id (RB030) of proxy

Flags

1	filled
-1	missing
-2	na (RB260 not = 5)

RL010: Education at pre-school**RL020: Education at compulsory school***LABOUR INFORMATION (Child care)**Cross-sectional**Reference period: usual week**Unit: all current household members not over 12 years old**Mode of collection: interviewer***Values**

0 - 99 Number of hours of education during an usual week

Flags

1	filled
-1	missing
-2	na (RL010 : person is not admitted to pre-school because of her age, is at compulsory school or is more than 12 years old) (RL020 : person is not admitted to compulsory school because of her age or is more than 12 years)

Education at pre-school

Pre-school or equivalent (e.g. kindergarten, nursery school ...). The educational classification to be used is ISCED Level 0. Special pre-schools or equivalents for children who have special needs (handicapped, ...) shall be included as far as they are considered as pre-school (level 0). If they are not, they shall not be reported here (reported for example in RL040 for day-care centre).

Education at compulsory school

‘‘Compulsory’’ school shall be understood as a mean to separate school from pre-school, but all the school hours have to be included : primary and eventually secondary schools shall be included (children up to 12 years old at the 31/12/N-1).

The meals at (pre-)school shall be included in the number of hours for the usual days the child eats at (pre-)school.

If more than 99 hours : the code used is 99. The hours shall be rounded to the nearest hour. If less than one hour, then code one hour.

(RL010>0 and RL020>0) is not possible; a positive number of hours both at pre-school and at school is incompatible.

Children stay over at pre-school and primary school during the lunch time

If during the lunch time children are cared for usually by their mother or father at the school place (or elsewhere), these hours are not counted in the variables of childcare since their parents are present.

If during lunch time they are cared usually by other parents at the school place (or elsewhere), these should be classified in RL060 (if parents not paid).

If during lunch time they are cared usually by somebody belonging to the school organization (e.g. canteen), the hours are classified in RL010/RL020.

If during lunch time they are cared usually by a nanny, grand mother,... , they should be classified in the other variables (RL040-050-060) depending on the usual carer.

School transportation

The time spent on the “school transportation” should be included in RL010/RL020 if someone belonging to the school organization is taking care of children during the school transportation.

If children are cared usually by a nanny, grand mother,... , during the “school transportation” they should be classified in the other variables (RL040-050-060) depending on the usual carer.

RL030: Child care at centre-based services

[Child care at centre-based services outside school hours (before/after)]

LABOUR INFORMATION (Child care)

Cross-sectional

Reference period: usual week

Unit: all current household members not over 12 years old

Mode of collection: interviewer

Values

0 - 99 Number of hours of child care during an usual week

Flags

1	filled
-1	missing
-2	na (RL030 : person is neither at pre-school nor at school or is more than 12 years old)

This variable concerns only the children who are at pre-school or at school in the childcare reference period (RL010>0 or RL020>0).

Centre-based services outside (pre-)school hours : should be reported the hours of care only before and after school. For example, a school-going child who doesn't go to school on Wednesday and who is cared for by a day-care centre : these hours of care shall be reported in RL040.

The services can be or not at the school place.

Cultural and sportive activities outside school (here after school hours) such as club, music lessons ... shall not be included as far as they are not used as a childcare service but rather for the child leisure.

The hours shall be rounded to the nearest hour. If less than one hour, then code one hour.

Children going to the school in the morning and in a centre in the afternoon, the hours in centre are coded in RL030 (before/after school for school going children).

RL040: Child care at day-care centre**RL050: Child care by a professional child-minder at child's home or at child-minder's home****RL060: Child care by grand-parents, others household members (outside parents), other relatives, friends or neighbours***LABOUR INFORMATION (Child care)**Cross-sectional**Reference period: usual week**Unit: all current household members not over 12 years old**Mode of collection: interviewer*

Values

0 - 99 Number of hours of child care during an usual week

Flags

1	filled
-1	missing
-2	na (RL040, RL050, RL060 : person is more than 12 years old)

In RL040 are included all kind of care organised/controlled by a structure (public, private). This means that the parents and the carer are not the only persons involved in the care, that there are no direct arrangements between the carer and the parents in the sense that there is an organised structure between them (which is often the carer's employers). For example, a centred-base day care, organised family day care, a crèche, ... The place of the care can be a centre or the carer's home (e.g. organised family care). Should also be included the qualified childminders organised and controlled by a structure, even if they are directly paid by the parents, like the 'assistante maternelle' in France.

These kinds of care are often delivered within the social welfare system especially for children under 3. RL040 corresponds to the care for children too young to be at school (or at pre school) but also for children going to school (pre school) and cared for a day per week when school is closed.

The care can be full time or part time, even for few hours.

Cultural and sportive activities (such as club) shall not be included as far as they are not used as a childcare service but rather for the child leisure.

Special day-care of children with special needs are included.

In RL050 there are direct arrangements between the carer and the parents; there are no structure which organises or controls the care. Parents are often employers, pay directly the carer, but furthermore there are no control of the qualification of the childminder by an organised structure. "Professional" childminder shall be understood as a person for whom looking after the child represents a job of work or paid activity. The term "professional" does not content a notion of qualification or of quality of the care.

Baby sitters and "au pair" are also included here.

The care can be at the child's home or at the childminder's home.

RL060 refers to unpaid care (free or informal arrangements such as exchange of services).

RL050 globally refers to paid care (with rare exceptions ; e.g. “au pair” are not always paid with money but paid in kind, if the parents receive benefits which cover the amount of the care, the care is considered here as a paid care) whereas RL060 refers to unpaid care (free or exchange of services).

Example : if a neighbour or a friend is the carer and if he is paid for that, then the number of hours of care shall be reported in RL050.

The care can be at the child’s home or at the relative, friend or neighbour’s home.

Children up to 12 years old at the 31/12/N-1.

If more than 99 hours : the code used is 99. The hours shall be rounded to the nearest hour. If less than one hour, then code one hour.

Note: See RL010 and RL020 for “lunch time “ and “school transportation”

RL070: Children cross-sectional weight for child care

BASIC DATA (Basic personal data)

Cross-sectional

Reference period: constant

Unit: all current household members (of any age)

Mode of collection: constructed

Values

0+ (format 2.5) weight (see below the required format)

Flags

1	filled
-2	n.a. (children born in year N or persons aged more than 12 years old at the 31/12/N-1)

In the EU-SILC, in addition to the four usual types of units involved which are “household”, “household member”, “household member 16+” and “selected respondent”, “child” is another type of unit to be considered for childcare data. This variable is not defined by any regulation.

For the cross-sectional survey, the personal cross-sectional weight (applicable to all household members, of all ages -target variable **RB050**) may be used for the childcare data. However, the calculation of this weight probably does not take into account external control age-distributions for children aged up to 12. In order to ensure a correct distribution for children by age, it might be better to calculate specific children cross-sectional weights¹.

The proposal IS NOT to scale and calculate new weights for children taking into account non response, household and individual variables, region, children ages...

The proposal is to adjust the distribution of children for each year of age. This involves the adjustment of personal cross-sectional weights so as to make the distribution, according to age characteristics, of the children covered in the sample agree with the same information from some more reliable external source (age distribution of children aged 0 to 12 in private households).

¹ This will also enlarge the possibilities for analysis of the detailed data on childcare (estimate total numbers of children cared for, global proportions among all children ...).

D_n = children aged n at the 31/12/N-1 (N=year of the survey; n=0 to 12)¹

For children born in N-1 and before:

Children cross-sectional weight for D_n (n= 0 to 12): $w_i = w'_i * N_n / N'_n$

w'_i = personal cross-sectional weight for the child i

N'_n = sum of personal cross-sectional weights for children aged n at the 31/12/N-1 in the database

N_n = number of children in the demographic population aged n at the 31/12/N-1 (estimated from external source)

Notes:

- The sum of children cross-sectional weights will correspond to the estimation of the number of children in the population.
- The sample size of children will be checked before childcare data are published.

Required format

In principle, these weights had to be coded with 2 integers and 5 decimals. But, that cause problems if the weights have at least 3 integers. That's why, in practice, household design weights will be coded with at least one integer and 5 decimals.

¹ Note for 0 year old: this includes children born in year N-1. Children born in year N are excluded (aged (-1) at the 31/12/N-1; difficult to take them into account to ensure comparable data between countries because of differences in the dates of the surveys in year N).

RX010: Age at the date of interview
--

<i>BASIC DATA (Demographic data)</i>

<i>Cross-sectional and longitudinal</i>

<i>Reference period: constant</i>

<i>Unit: all current household members (of any age) and former household members</i>
--

<i>Mode of collection: Derived</i>

Values

<i>0 – 80: age in years</i>

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 isn't known.

RX020: Age at the end of the income reference period

BASIC DATA (Demographic data)

Cross-sectional and longitudinal

Reference period: constant

Unit: all current household members (of any age) and former household members

Mode of collection: Calculated

Values

-1 – 80: age in years

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

the end of income reference period may be:

[1]: end of previous calendar year

[2]: another fixed date (YY= year of the survey)

[3]: moving date; date of interview

COUNTRY	2004	2005 / 2006
BE	[1]	[1]
CZ	N/A	[1]
DK	[1]	[1]
DE	N/A	[1]
EE	[1]	[1]
EL / GR	[1]	[1]
ES	[1]	[1]
FR	[1]	[1]
IE	[3]	[3]
IT	[1]	[1]
CY	N/A	[1]
LV	N/A	[1]
LT	N/A	[1]
LU	[1]	[1]
HU	N/A	[1]
MT	N/A	[1]
NL	N/A	[1]
AT	[1]	[1]
PL	N/A	[1]
PT	[1]	[1]
SI	N/A	[1]
SK	N/A	[1]
FI	[1]	[1]
SE	[1]	[1]
UK	N/A	[2] 31/12/YY
IS	[1]	[1]
NO	[1]	[1]

RX030: Household ID

BASIC DATA (Basic household data including degree of urbanisation)

Cross-sectional

Reference period: current

Unit: household

Mode of collection: Derived

Values

RX030 = DB030

Household Data (H-file)

HB010: Year of the survey

<i>BASIC PERSONAL DATA (Basic household data)</i>

<i>Cross-sectional and longitudinal</i>

<i>Reference period: current</i>

<i>Unit: household</i>

<i>Mode of collection: interviewer</i>
--

Values

<i>year (4 digits)</i>

HB020: Country

BASIC PERSONAL DATA (Basic household data)

Cross-sectional and longitudinal

Reference period: constant

Unit: household

Mode of collection: Frame

Values

BE	Belgique/Belgie
DK	Danmark
DE	Deutschland
GR	Ellada
ES	España
FR	France
IE	Ireland
IT	Italia
LU	Luxembourg
NL	Nederland
AT	Österreich
PT	Portugal
FI	Suomi
SE	Sverige
UK	United Kingdom
BG	Bulgaria
CY	Cyprus
CZ	Czech republic
EE	Estonia
HU	Hungary
LV	Latvia
LT	Lithuania
MT	Malta
PL	Poland
RO	Romania
SK	Slovak republic
SI	Slovenia
IS	Iceland
HR	Croatia
NO	Norway
CH	Switzerland
TR	Turkey

HB030: Household ID

BASIC PERSONAL DATA (Basic household data)

Cross-sectional and longitudinal

Reference period: constant

Unit: household

Mode of collection: frame or register or interviewer

Values

ID number = DB030 see construction in doc "UDB description" point 8.6.6

HB050: Quarter of household interview

BASIC PERSONAL DATA (Basic household data)

Cross-sectional and longitudinal

Reference period: current

Unit: household

Mode of collection: Interviewer

Values

1 - 4 quarter (*see below*)

Flags

1 filled
-1 missing

- 1= January, February, March
- 2= April, May, June
- 3= July, August, September
- 4= October, November, December

HB060: Year of household interview

<i>BASIC PERSONAL DATA (Basic household data)</i> <i>Cross-sectional and longitudinal</i> <i>Reference period: current</i> <i>Unit: household</i> <i>Mode of collection: Interviewer</i>
--

Values

<i>year (4 digits)</i>

Flags

1 filled

HB070: Person responding the household questionnaire

BASIC PERSONAL DATA (Basic household data)

Cross-sectional and longitudinal

Reference period: current

Unit: household

Mode of collection: Interviewer

Values

Personal ID

Flags

1	filled
-1	missing

The household respondent is the person from whom household level information is obtained. Given that the household-level response is going to be attributed to all household members, it is essential that the information be collected from someone who can, in some sense, ‘speak for’ the household.

For instance, if the ‘selected respondent’ is the 16-year old son or daughter, this person is highly unlikely to be able to provide good quality information on such issues as the mortgage or rent payments, housing costs, income from family and other benefits.

The household respondent has to be chosen according to the following priorities:

Priority (1): the person responsible for the accommodation

Priority (2): a household member aged 16 and over who is the best placed to give the information.

For the second and following waves of the longitudinal component of EU-SILC, the household respondent will be chosen according to the following list of priority:

Priority (1): the household respondent in the last wave

Priority (2): a ‘sample person’ aged 16 and over giving priority to the person responsible for the accommodation or the best placed to give the information.

Priority (3): a ‘non-sample person’ aged 16 and over.

HB080: Person 1 responsible for the accommodation**HB090: Person 2 responsible for the accommodation**

BASIC PERSONAL DATA (Basic household data)

Cross-sectional and longitudinal

Reference period: current

Unit: household

Mode of collection: Interviewer

Values

Personal ID

Flags

1	filled
-1	missing
-2	only HB090: na (no second responsible)

The person responsible for the accommodation is the person owning or renting the accommodation. If the accommodation is provided free, the person to whom the accommodation is provided is the responsible person.

If two persons share responsibility for the accommodation, the ID of the oldest is registered in HB080 and the other in HB090.

If more than two persons share the responsibility, only the IDs of the two oldest persons are registered.

If the person owning the accommodation is a child or if the person owning or renting the accommodation does not belong to the household, then take in these cases the person "financially responsible" for the accommodation.

HB100: Number of minutes to complete the household questionnaire

<i>BASIC PERSONAL DATA (Basic household data)</i>

<i>Cross-sectional and longitudinal</i>

<i>Reference period: current</i>

<i>Unit: household</i>

<i>Mode of collection: Interviewer</i>
--

Values

0 – 999 Number of minutes

Flags

1	filled
---	--------

-1	missing
----	---------

HH010: Dwelling type

HOUSING (Dwelling type, tenure status and housing conditions)

Cross-sectional and longitudinal

Reference period: current

Unit: household

Mode of collection: household respondent

Values

1	detached house
2	semi-detached or terraced house
3	apartment or flat in a building with less than 10 dwellings
4	apartment or flat in a building with 10 or more dwellings

Flags

1	filled
-1	missing

Building

A building is defined as any independent structure containing one or more dwellings, rooms or other spaces, covered by a roof and enclosed within external walls or dividing walls which extend from the foundations to the roof. Thus a building may be a detached dwelling, apartment building, etc. National practices differ with respect to the treatment of row houses, in that some countries count each row house in the unit as an individual building whereas other countries count all the row houses in the unit as collectively constituting one building. It is recommended that countries follow the former practice by counting each house in the row house unit as an individual building.

This is generally defined as a room or suite of rooms and its accessories (e.g. lobbies, corridors) in a permanent building or structurally separated part thereof which by the way it has been built, rebuilt or converted is designed for habitation by one private household. It should have separate access to the street, direct or via a garden or grounds, or to a common space within the building (staircase, passage, gallery, etc.), but it need not necessarily have a bathroom or toilet available for the exclusive use of its occupants. Accommodations that are situated in buildings that are for use other than housing (schools,...) and fixed habitation like a hut or a cave are included.

A building with two entrance will be considered as one single building if one can access all apartments from both entrances; otherwise, it will be two separate buildings.

House

House means that no internal space or maintenance and other services are normally shared with other dwellings. Sharing of a garden or other exterior areas is not precluded.

Detached

Detached means the dwelling has no common walls with another.

Semi-detached

Semi-detached refers to two dwellings sharing at least one wall, and ‘terraced’ refers to a row of (more than two) joined-up dwellings.

Apartments or flats

Apartments or flats in a building normally share some internal space or maintenance and other services with other units in the building.

Other kind of accommodation

Other kinds of accommodation includes accommodations that are situated in buildings that are for use other than housing (schools, ...) and fixed habitations like a hut or a cave.

HH020: Tenure status

HOUSING (Dwelling type, tenure status and housing conditions)

Cross-sectional and longitudinal

Reference period: current

Unit: household

Mode of collection: household respondent

Values

1	Owner
2	Tenant or subtenant paying rent at prevailing or market rate
3	Accommodation is rented at a reduced rate (lower price than the market price)
4	accommodation is provided free

Flags

1	filled
-1	missing

Owner

The owner of the accommodation should be a member of the household. If for instance the accommodation is provided by a relative (such as by parents to their children) who is not a member of the household, then one of the other categories should be ticked, depending on whether or not rent is paid by this household. A person is owner if he possesses a title deed independently if the house is fully paid or not. Reversionary owner should be considered as owner.

Tenant or subtenant paying rent at prevailing or market rate

Tenant/subtenant, paying rent at prevailing or market rent covers the case even when the rent is wholly recovered from housing benefits or other sources, including public, charitable, or private sources. Also, no distinction is made here when the accommodation is directly rented from a 'landlord', or as a subtenant renting from someone who himself is a tenant.

Accommodation is rented at a reduce rate (lower price than the market price)

The key issue is the distinctiveness of the 'prevailing' and 'reduced-rent' sectors

In some countries, there is a fairly clear distinction between the market or private sector renters and subsidised or public sector renters. Reduced-rate renters would include those (a) renting social housing, (b) renting at a reduced rate from an employer and (c) those in accommodation where the actual rent is fixed by law. All tenants in this situation would be included in category 3 (Accommodation rented at below market price).

If there is a clear, nationally meaningful distinction between the market or prevailing rent and 'reduced-rent' sectors, along these lines, it should be used to distinguish between categories 2 and 3.

At other extreme, there is no clear distinction between a 'prevailing rent' and 'reduced-rent' sector in rental accommodation: there is no (or almost no) market sector in rents, either because virtually every household owns their home, because all tenants live in social housing,

all (or most tenancies) are long-term with restrictions on rent increases, or all rents are fixed. If this is the case, the concept of market rent does not have a real empirical meaning in the country: at least in terms of trying to usefully distinguish a group paying market rents from a group paying rents below that value.

In a situation where there is no clear distinction between a 'prevailing rent' rent sector and a 'reduced rent' sector, all renters would be classified as 'Tenant or subtenant paying rent at prevailing or market rate'.

Empirical importance of length of tenure is a separate issue

At one extreme, duration of tenure is empirically ignorable: either all tenancies are short or there is no/little association between length of tenancy and rent paid beyond what might be expected from market forces (i.e. reduced turnover costs to the landlord). At the other end of the spectrum is the Belgian situation where there is a strong (and legally binding) association between duration of tenancy and level of rent.

In effect, there may be a continuum between categories 2 and 3 on the tenure variable, rather than a clear cut distinction, based on the length of time the household has rented the accommodation.

Length of tenure is a separate dimension from the nature of the tenancy, and should be handled by adding a separate item. The proposed handling of the housing tenure item in this context is as follows:

If the national situation is one where *all* tenants benefit from lower rents based on length of tenancy (or there is no readily distinguishable group who benefits more than another), all renting households (other than those belonging to a clearly distinct 'reduced-rent' sector) should be coded in category 2 (prevailing rent) on the tenure variable, and length of tenure collected as a separate item. If there is a clearly distinct 'reduced-rent' sector, of course, these should be coded as category 3 on the tenure variable.

If the national situation is one where only some tenants (in fixed-rent accommodation, for instance) benefit from lower rents based on length of tenancy, these tenants should be coded as category 3 on the tenure variable (reduced rent).

Length of tenancy refers to the length of time the household has been renting the accommodation. It is different from the length of the lease.

Accommodation provided rent free

Accommodation is provided rent-free applies only when there is no rent to be paid, such as when the accommodation comes with the job¹, or is provided rent-free from a private source. The situation when rent is recovered from housing benefit or other sources is covered in the previous category.

Note: Households who pay part rent and part mortgage for their accommodation should be classified as 'owners' if they possess a title deed.

¹ If the accommodation is provided free to a 'civil servant' the variable HH020 will take value 4 when the government is owner of the dwelling as well as when the government has rented the dwelling and they provide it rent-free.

HH030: Number of rooms available to the household

HOUSING (Dwelling type, tenure status and housing conditions)

Cross-sectional and longitudinal

Reference period: current

Unit: household

Mode of collection: household respondent

Values

1 - 5	number of rooms
6	6 or more rooms

Flags

1	filled
-1	missing

Room

A room is defined as a space of a housing unit of at least 4 square meters such as normal bedrooms, dining rooms, living rooms and habitable cellars and attics with a high over 2 meters and accessible from inside the unit.

Kitchens are not counted unless the cooking facilities are in a room used for other purposes; only exclude it if the space is used only for cooking. Thus for example, kitchen-cum-dining room is included as one room in the count of rooms.

The following space of a housing unit does not count as rooms: bathrooms, toilets, corridors, utility rooms and lobbies. Verandas, lounges and conservatories do count only if they are used all year round.

A room used solely for business use is excluded, but is included if shared between private and business use.

If the dwelling is shared by more than 1 household all rooms are counted for the owner/tenant except those exclusively used by the other households. In case of several household sharing a unique room, the variable is coded to 1 (zero is difficultly interpretable and fractional number are not allowed by the format).

HH031: Year of contract or purchasing or installation

HOUSING (Dwelling type, tenure status and housing conditions)

Cross-sectional and longitudinal

Reference period: current

Unit: household

Mode of collection: household respondent

Values

year (4 digits)

Flags

1	filled
-1	missing
-2	n.a. (MS using objective national methods to calculate imputed rent)

Only for PT: Bottom coded : 1949 = 1949 and below for 2004
1950 = 1950 and below for 2005
1949 = 1949 and below for 2006 (in version 1 of 01/03/08)
1951 = 1951 and below for 2006 (from version 2 of 01/03/09)

The idea is to collect through variable HH031 the “seniority” i.e. the number of years of occupation of the dwelling. As an approximate measure of the seniority the variable ‘year of contract or purchase or installation’ is proposed. This variable is defined as follows:

- the year of signing the contract for tenants or subtenants paying rent at market price or at lower price than the market price. If the tenant/subtenant renews the contract under new conditions, the variable refers to the renewal date.
- the year of purchasing for the owners¹. If a person bought the house after living there as tenant the year of purchasing will be considered. If the person inherits the accommodation the question refers to the year of inheritance.
- the year of installation is required if the accommodation is provided rent-free or no year of contract or purchasing can be given. If accommodation is provided free the information required refers to the year of installation of the person who has been living longer than the others have, this person is the person who has the right of enjoying the accommodation free.

¹ A person is owner if he possesses a title deed independently if the house is fully paid or not.

HH040: Leaking roof, damp walls/floors/foundation, or rot in window frames or floor
--

<i>HOUSING (Dwelling type, tenure status and housing conditions)</i>
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<i>Cross-sectional and longitudinal</i>

<i>Reference period: current</i>

<i>Unit: household</i>

<i>Mode of collection: household respondent</i>

Values

1	yes
---	-----

2	no
---	----

Flags

1	filled
---	--------

-1	missing
----	---------

Whether, in the judgement of the household respondent, the dwelling has a problem with a leaking roof, damp ceilings, dampness in the walls, floors or foundation or rot in window frames and doors.

HH050: Ability to keep home adequately warm

HOUSING (Dwelling type, tenure status and housing conditions)

Cross-sectional and longitudinal

Reference period: current

Unit: household

Mode of collection: household respondent

Values

1	yes
2	no

Flags

1	filled
-1	missing

This question is about ability to pay to keep the home adequately warm, regardless of whether the household actually needs to keep it adequately warm.

HH060: Current rent related to occupied dwelling

HOUSING (Housing costs)
Cross-sectional and longitudinal
Reference period: current
Unit: household
Mode of collection: household respondent

Values

1 - 999999.99 rent

Flags

1 filled
-1 missing
-2 na (HH020 not = 2 or 3)

The variable refers to the **total monthly** current rent paid on the main residence of the household.

The rent refers to the monthly amount paid for the use of an unfurnished dwelling. Rentals also include payments for the use of a garage to provide parking in connection with the dwelling.

Other payments which are made at the same time as the rent (such as for electricity, heating etc.), should be excluded. Also the regular repairs and maintenance and other services related to the dwelling should be excluded.

Only rent related to the principal residence is taken into account

In cases where part of the rent may be paid through a housing benefit (either paid to the tenant or paid directly to the landlord), the rent paid refers to the total rent payable: that is to the amount paid by the tenant from his or her own income plus the amount paid by housing benefit

The amount provided will be in euros.

HH061: Subjective rent

[Subjective rent related to non-tenant paying rent at market price]

HOUSING (Housing costs)

Cross-sectional and longitudinal

Reference period: current

Unit: household

Mode of collection: household respondent

Values

1 - 999999.99 rent

Flags

1 filled
-1 missing
-2 na (HH020 not = 1 or 3 or 4) or (MS do not use subjective method to calculate imputed rent)

Information is collected from owner-occupiers (accommodation is provided rent free or accommodation is rented at a reduce rate) on what they estimate the potential **monthly** market rent of their dwelling. The amount refers to the value of the rental of unfurnished dwelling, it also includes payments for the use of a garage to provide parking in connection with the dwelling.

Payments such as for electricity, heating etc., should be excluded. Also the regular repairs and maintenance and other services related to the dwelling should be excluded.

The amount provided will be in euros.

HH070: Total housing cost

[Total housing cost (including electricity, water, gas and heating)]

HOUSING (Housing costs)

Cross-sectional

Reference period: current

Unit: household

Mode of collection: household respondent

Values

0 - 999999.99 housing cost

Flags

1 filled
-1 missing

The term housing cost refers to **monthly** costs connected with the households right to live in the accommodation. The costs of utilities (water, electricity, gas and heating) resulting from the actual use of the accommodation are also included.

Components that have to be included in housing costs:

OWNERS: Mortgage interest payments (net of any tax relief), **structural insurance**, **mandatory services and charges** (sewage removal, refuse removal, etc.), **regular maintenance and repairs₁**, **taxes**, and **the cost of utilities** (water, electricity, gas and heating).

TENANTS (at market price): Rent payments, gross of housing benefits (i.e. housing benefits included), **structural insurance** (if paid for the tenants), **services and charges** (sewage removal, refuse removal, etc.) (if paid for the tenants), **taxes on dwelling** (if applicable), **regular maintenance and repairs₁** and **the cost of utilities** (water, electricity, gas and heating).

TENANTS (at reduce price): Rent payments, gross of housing benefits (i.e. housing benefits included), **structural insurance** (if paid for the tenants), **services and charges** (sewage removal, refuse removal, etc.) (if paid for the tenants), **taxes on dwelling** (if applicable), **regular maintenance and repairs₁** and **the cost of utilities** (water, electricity, gas and heating).

RENT FREE: housing benefits, **structural insurance** (if paid for), **services and charges** (sewage removal, refuse removal, etc.) (if paid for), **taxes on dwelling** (if applicable), **regular maintenance and repairs₁** and **the cost of utilities** (water, electricity, gas and heating).

It is necessary to impute a value of housing cost items not included in the rent but paid like cost of the utilities, sewage removal, structural insurance, etc. This imputation may be possible using a cell average from an external source, such as HBS.

It is necessary to spread over the 12 months of the year those expenses that are seasonal (for example ‘heating’) or those for which the payment is different for different months of the year.

HH080: Bath or shower in dwelling

HOUSING (Amenities in dwelling)

Cross-sectional and longitudinal

Reference period: current

Unit: household

Mode of collection: household respondent

Values

1	yes
2	no

Flags (cross-sectional)

1	filled
-1	missing

Flags (longitudinal)

1	filled
-1	missing
-2	na (MS using objective national methods to calculate imputed rent)

Whether the dwelling has proper room with a bath or a shower

In the longitudinal survey compulsory only for Member States using Eurostat recommended regression method or subjective method for imputed rent.

HH090: Indoor flushing toilet for sole use of household

HOUSING (Amenities in dwelling)
Cross-sectional and longitudinal
Reference period: current
Unit: household
Mode of collection: household respondent

Values

1	yes
2	no

Flags (cross-sectional)

1	filled
-1	missing

Flags (longitudinal)

1	filled
-1	missing
-2	na (MS using objective national methods to calculate imputed rent)

If more than one household live in the dwelling and only one indoor flushing toilet is available, the variable is to be coded 1 (yes).

In the longitudinal survey compulsory only for Member States using Eurostat recommended regression method or subjective method for imputed rent.

HS010: Arrears on mortgage or rent payments

[Whether the household has been in arrears on mortgage or rent payments in last 12 months]

SOCIAL EXCLUSION (Housing and non-housing related arrears)

Cross-sectional and longitudinal

Reference period: last 12 months

Unit: household

Mode of collection: household respondent

Values

1	yes
2	no

Flags

1	filled
-1	missing
-2	not applicable (outright owner or rent free during the last twelve months)

Whether the household has been in arrears at any time in the last 12 months that is, unable to pay as scheduled either rent or mortgage payment for the main dwelling.

If the household is unable to pay as schedule as result of lack of money, HS010 = 1, otherwise(illness,...) HS010 = 2.

Loans for decoration, maintenance, refurbishment,... are excluded

HS020: Arrears on utility bills

[Whether the household has been in arrears on utility bills (electricity, water, gas) in last 12 months]

SOCIAL EXCLUSION (Housing and non-housing related arrears)

Cross-sectional and longitudinal

Reference period: last 12 months

Unit: household

Mode of collection: household respondent

Values

1	yes
2	no

Flags

1	filled
-1	missing
-2	na (no utility bills)

Whether the household has been in arrears at any time in the last 12 months that is, unable to pay as scheduled utility bills such as for electricity, water or gas for the main dwelling. If the household is unable to pay as schedule as result of lack of money, HS020 = 1, otherwise(illness,...) HS020 = 2.

HS030: Arrears on hire purchase instalments or other loan payments

<p>[Whether the household has been in arrears on hire purchase instalments or other loan payments (non housing-related debts) in last 12 months]</p>

<p><i>SOCIAL EXCLUSION (Housing and non-housing related arrears)</i></p>
--

<p><i>Cross-sectional and longitudinal</i></p>
--

<p><i>Reference period: last 12 months</i></p>
--

<p><i>Unit: household</i></p>

<p><i>Mode of collection: household respondent</i></p>
--

Values

1	yes
---	-----

2	no
---	----

Flags

1	filled
---	--------

-1	missing
----	---------

-2	na (no hire purchase instalments and no other loan payments)
----	--

Whether the household has been in arrears at any time in the last 12 months that is, unable to pay as scheduled repayments for hire purchase or other non-housing loans. Housing-related loans are excluded.

Other loans for decoration, maintenance, refurbishment etc. and problems on repayments of credit cards are included. The presence of a bank overdraft does not count as arrears for the purpose of this item.

If the household is unable to pay as schedule as result of lack of money, HS030 = 1, otherwise(illness,...) HS030 = 2.

HS040: Capacity to afford paying for one week annual holiday away from home

SOCIAL EXCLUSION (Non-monetary household deprivation indicators)

Cross-sectional and longitudinal

Reference period: current

Unit: household

Mode of collection: household respondent

Values

1	yes
2	no

Flags

1	filled
-1	missing

This question is about ability to pay, regardless of whether the household actually want the item. The answer is 'yes' if, according to the household respondent, the household can afford to pay for a week's annual holiday away from home. If the household can only afford a holiday staying with friends or relatives (i.e. not paying for accommodation), the answer should be 'No'.

If one (or some) household member(s) can afford paying for a holiday, but most household members cannot, the answer should be 'No'. Thus, in cases where parents can afford to send children to a summer camp but cannot afford to pay for a holiday for themselves, or where a grown-up son or daughter can afford a holiday but other household members cannot, the answer should be 'No'.

One week is 7 days.

The amount that the household is able to pay is inappropriate to evaluate the capacity of a household to afford paying for one week annual holiday.

HS050: Capacity to afford a meal with meat, chicken, fish (or vegetarian equivalent) every second day

SOCIAL EXCLUSION (Non-monetary household deprivation indicators)

Cross-sectional and longitudinal

Reference period: current

Unit: household

Mode of collection: household respondent

Values

1 yes

2 no

Flags

1 filled

-1 missing

Whether, according to the household respondent, the household can afford a meal with meat, chicken or fish (or equivalent vegetarian) every second day, if wanted

HS060: Capacity to face unexpected financial expenses

SOCIAL EXCLUSION (Non-monetary household deprivation indicators)

Cross-sectional and longitudinal

Reference period: current

Unit: household

Mode of collection: household respondent

Values

1 yes

2 no

Flags

1 filled

-1 missing

Whether, according to the household respondent, the household can to face itself unexpected financial expenses.

Wording:

Could your household afford an unexpected required expense of (*amount to be filled*) with its own resources?

Explanations / Instructions

Own resources mean:

Your household cannot ask for financial help from anybody

Your account has to be debited within one month

Your situation regarding potential debts doesn't being deteriorated. You cannot intend to pay on instalments or with a loan the usual expenses previously paid cash.

Amount calculation

Amount = Poverty threshold per one consumption unit independently of the size and structure of the household

The calculation for year "n" comes from year "n-2" EU-SILC data

For year 1 and 2, appropriate national data has to be used

A ratio of 1/12 of the above value is used in the questionnaire. This value can be rounded but the difference between calculated value and rounded value cannot exceed 5% (for example; a calculated value of 136 can be rounded to 140 but not to 150)

HS070: Do you have a telephone (including mobile phone)?

SOCIAL EXCLUSION (Non-monetary household deprivation indicators)

Cross-sectional and longitudinal

Reference period: current

Unit: household

Mode of collection: household respondent

Values

1	yes
2	no - cannot afford
3	no - other reason

Flags

1	filled
-1	missing

Whether the household have a telephone(including mobile phone) or whether the household does not have a telephone because it cannot afford it (enforced lack) or for other reasons.

'Enforced lack' implies that the item is something that the household would like to have, but cannot afford.

Possession of the item does not necessarily imply ownership: the item may be rented, leased or provided on loan.

In the case of mobile telephones, the household should be considered to possess the item if any member possesses it

HS080: Do you have a colour TV?

SOCIAL EXCLUSION (Non-monetary household deprivation indicators)

Cross-sectional and longitudinal

Reference period: current

Unit: household

Mode of collection: household respondent

Values

1	yes
2	no - cannot afford
3	no - other reason

Flags

1	filled
-1	missing

Whether the household have a colour TV or whether the household does not have a colour TV because it cannot afford it (enforced lack) or for other reasons.

'Enforced lack' implies that the item is something that the household would like to have, but cannot afford.

Possession of the item does not necessarily imply ownership: the item may be rented, leased or provided on loan.

In the case of a colour television, the household is considered to possess it if any member possesses it.

HS090: Do you have a computer?

SOCIAL EXCLUSION (Non-monetary household deprivation indicators)

Cross-sectional and longitudinal

Reference period: current

Unit: household

Mode of collection: household respondent

Values

1	yes
2	no - cannot afford
3	no - other reason

Flags

1	filled
-1	missing

Whether the household have a computer or whether the household does not have a computer because it cannot afford it (enforced lack) or for other reasons.

'Enforced lack' implies that the item is something that the household would like to have, but cannot afford.

Possession of the item does not necessarily imply ownership: the item may be rented, leased or provided on loan.

In the case of a computer, the household is considered to possess it if any member possesses it.

A computer includes a portable computer or a desktop computer, but does not include machines dedicated to video games but without any broader functionality.

If a computer is provided ONLY for work purpose, this does not count as possession of the item.

HS100: Do you have a washing machine?

SOCIAL EXCLUSION (Non-monetary household deprivation indicators)

Cross-sectional and longitudinal

Reference period: current

Unit: household

Mode of collection: household respondent

Values

1	yes
2	no - cannot afford
3	no - other reason

Flags

1	filled
-1	missing

Whether the household have a washing machine or whether the household does not have a washing machine because it cannot afford it (enforced lack) or for other reasons.

'Enforced lack' implies that the item is something that the household would like to have, but cannot afford.

Possession of the item does not necessarily imply ownership: the item may be rented, leased, provided on loan, or shared with other households in (e.g.) a complex apartment .

In the case of a washing machine, the household is considered to possess it if any member possesses it.

A washing machine includes an automatic washing machine or a non-automatic 'twin-tub'.

HS110: Do you have a car?

SOCIAL EXCLUSION (Non-monetary household deprivation indicators)

Cross-sectional and longitudinal

Reference period: current

Unit: household

Mode of collection: household respondent

Values

1	yes
2	no - cannot afford
3	no - other reason

Flags

1	filled
-1	missing

Whether the household have a car or whether the household does not have a car because it cannot afford it (enforced lack) or for other reasons.

'Enforced lack' implies that the item is something that the household would like to have, but cannot afford.

Possession of the item does not necessarily imply ownership: the item may be rented, leased or provided on loan.

In the case of a car, the household is considered to possess it if any member possesses it.

A company car or van which is available to the household for private use counts a possession of this item.

If a car or van is provided ONLY for work purpose, this does not count as possession of the item.

Motorcycles are excluded.

HS120: Ability to make ends meet

SOCIAL EXCLUSION (Non-monetary household deprivation indicators)

Cross-sectional and longitudinal

Reference period: current

Unit: household

Mode of collection: household respondent

Values

1	with great difficulty
2	with difficulty
3	with some difficulty
4	fairly easily
5	easily
6	very easily

Flags

1	filled
-1	missing

The household respondent's assessment of the level of difficulty experienced by the household in making ends meet.

A household may have different source of income and more than one household member may contribute to it. Thinking of the household's total monthly income, the idea is with which level of difficulty the household is able to pay its usual expenses.

HS130: Lowest monthly income to make ends meet

SOCIAL EXCLUSION (Non-monetary household deprivation indicators)

Cross-sectional and longitudinal

Reference period: current

Unit: household

Mode of collection: household respondent

Values

1- 999999.99 lowest income

Flags

1 filled
-1 missing

The household respondent's perception of the lowest net monthly income (in euros) the household would need to 'make ends meet'.

The household respondent's own perception of 'making ends meet' should be used.

The question should be answered in relation to the household's present composition and expenses.

'Net' income refers to income after the deduction of tax and social insurance.

Wording, explanations and place in the questionnaire:

Wording:

In your opinion, what is the very lowest net monthly income that your household would have to have in order to make ends meet?

Please answer in relation to the present circumstances of your household, and what you consider as "making ends meet"

Explanations / Instructions

Thinking of the household basic needs, according to his size (including housing related debts but excluding business and farm work costs) what is the very minimum amount of money the household need every month to pay its usual expenses. 'Net' income refers to income after the deduction of tax and social insurance.

Position in the questionnaire

After HS140, HS150 and HS120

HS140: Financial burden of the total housing cost

[Total housing cost is a financial burden to the household]

SOCIAL EXCLUSION (Non-monetary household deprivation indicators)

Cross-sectional and longitudinal

Reference period: current

Unit: household

Mode of collection: household respondent

Values

- | | |
|---|-------------------|
| 1 | A heavy burden |
| 2 | Somewhat a burden |
| 3 | not burden at all |

Flags

- | | |
|----|---------|
| 1 | filled |
| -1 | missing |

The extent to which housing costs are a financial burden to the household.

Housing costs: see HH070

HS150: Financial burden of the repayment of debts from hire purchases or loans

[Repayment of debts from hire purchases or loans other than mortgage or loan connected with the house are a financial burden to the household]

SOCIAL EXCLUSION (Non-monetary household deprivation indicators)

Cross-sectional and longitudinal

Reference period: current

Unit: household

Mode of collection: household respondent

Values

- | | |
|---|----------------------------------|
| 1 | Repayment is a heavy burden |
| 2 | Repayment is somewhat a burden |
| 3 | Repayment is not a burden at all |

Flags

- | | |
|----|---|
| 1 | filled |
| -1 | missing |
| -2 | not applicable (no repayment of debts) |

The extent to which the repayment of non-housing related debts are a financial burden to the household. Non-housing related debts include: loans for consumer items or services (car, holiday, durable etc.), hire-purchase repayments, credit card or charge card repayments.

HS160: Problems with the dwelling: too dark, not enough light

SOCIAL EXCLUSION (Physical and social environment)

Cross-sectional

Reference period: current

Unit: household

Mode of collection: household respondent

Values

1	yes
2	no

Flags

1	filled
-1	missing

The objective is to assess whether the respondent feels ‘the dwelling too dark, not enough light’ to be a problem for the household. No common objective standards as to what a ‘problem’ are implied. If they feel they have a problem with any of their rooms being too dark, not necessarily all of them. It is recommended to consider the dwelling as ‘too dark’, not enough light’ in the situation of a sunny day.

HS170: Noise from neighbors or from the street

[Noise from neighbors or noise from the street (traffic, business, factories, etc.)

SOCIAL EXCLUSION (Physical and social environment)

Cross-sectional

Reference period: current

Unit: household

Mode of collection: household respondent

Values

1 yes

2 no

Flags

1 filled

-1 missing

The objective is to assess whether the respondent feels 'noise from neighbours or from street' to be a problem for the household. No common standards what is a problem are defined.

HS180: Pollution, grime or other environmental problems

[Pollution, grime or other environmental problems in area caused by traffic or industry]

SOCIAL EXCLUSION (Physical and social environment)

Cross-sectional

Reference period: current

Unit: household

Mode of collection: household respondent

Values

1	yes
2	no

Flags

1	filled
-1	missing

The objective is to assess whether the respondent feels ‘ pollution, grime , ... ’ to be a problem for the household. No common standards what is a problem are defined.

Area refers to the place situated close to the place of residence (where you usually shop, walk, the way home).

HS190: Crime violence or vandalism in the area

SOCIAL EXCLUSION (Physical and social environment)

Cross-sectional

Reference period: current

Unit: household

Mode of collection: household respondent

Values

1	yes
2	no

Flags

1	filled
-1	missing

The objective is to assess whether the respondent feels 'crime, violence or vandalism in the area' to be a problem for the household. No common standards what is a problem are defined. Area refers to the place situated close to the place of residence (where you usually shop, walk, the way home).

HY010: Total household gross income

INCOME (Total household income (gross and disposable))

Cross-sectional and longitudinal

Reference period: income reference period

Unit: household

Mode of collection: constructed

Values

-999999.99 - 999999.99 income (in euros) without inflation factor

Flags

	<i>Net/gross at data collection</i>
0	no income
1	net
2	gross
3	net and gross (part of components collected net, part gross)
4	unknown
-1	missing (As missing values are imputed this code is only acceptable if not imputation is possible)
-5	not filled: no conversion to gross is done (Allowed only as long as gross income components are not mandatory)

Imputation factor

000.00000 to 9999.99999 = collected value / recorded value

Note 1 : for FI for 2004 and 2005 and EE from 2005

Perturbation of the 3 households having the highest HY010 income:

- Selection of the 3 highest HY010 households
- 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

Total gross household income (HY010) is computed as:

The sum for all household members of gross personal income components (gross employee cash or near cash income (PY010G); company car (PY021G); gross cash benefits or losses from self-employment (including royalties) (PY050G); unemployment benefits (PY090G); old-age benefits (PY100G); survivor' benefits (PY110G), sickness benefits (PY120G); disability benefits (PY130G) and education-related allowances (PY140G)) plus gross income components at household level: income from rental of a property or land (HY040G); family/children related allowances (HY050G); social exclusion not elsewhere classified (HY060G); housing allowances (HY070G); regular inter-household cash transfers received (HY080G); interests, dividends, profit from capital investments in unincorporated business (HY090G); income received by people aged under 16 (HY110G))

That means:

HY010 = HY040G + HY050G + HY060G + HY070G + HY080G + HY090G + HY110G +
[for all household members](PY010G + PY021G + PY050G + PY090G + PY100G +
PY110G + PY120G + PY130G + PY140G).

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

INCOME (Total household income (gross and disposable))

Cross-sectional and longitudinal

Reference period: income reference period

Unit: household

Mode of collection: constructed

Values

-999999.99 - 999999.99 income (in euros) without inflation factor

Flags

Net/gross at data collection

0 no income

1 net

2 gross

3 net and gross (part of components collected net, part gross)

4 unknown

To values 1,2,3,4 must be concatenated the imputation factor (if)

if = 000.00000 - 100.00000 = collected value / recorded value

-1 missing (As missing values are imputed this code is only acceptable if not imputation is possible)

Imputation factor

000.00000 to 9999.99999 = collected value / recorded value

Note 1 : for FI for 2004 and 2005 and EE from 2005

Perturbation of the 3 households having the highest HY010 income:

- Selection of the 3 highest HY010 households
- 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

HY020 is filled as accurate as possible. Countries may take into account information which is not in SILC files like net income components. It may provoke discrepancies when comparing HY020 and the sum of its components.

Total disposable household income (HY020) can be computed as:

The sum for all household members of gross personal income components (gross employee cash or near cash income (PY010G); gross non-cash employee income (PY021G); gross cash benefits or losses from self-employment (including royalties) (PY050G); unemployment benefits (PY090G); old-age benefits (PY100G); survivor' benefits (PY110G), sickness benefits (PY120G); disability benefits (PY130G) and education-related allowances (PY140G)) plus gross income components at household level: income from rental of a property or land (HY040G); family/children related allowances (HY050G); social exclusion not elsewhere classified (HY060G); housing allowances (HY070G); regular inter-household cash transfers received (HY080G); interests, dividends, profit from capital investments in unincorporated business (HY090G); income received by people aged under 16 (HY110G)) **minus**; regular taxes on wealth (HY120G); regular inter-household cash transfer paid (HY130G); tax on income and social insurance contributions (HY140G)).

The variable HY140G includes tax adjustments-repayment/receipt on income, income tax at source and social insurance contributions (if applicable).

That means:

$$HY020 = HY010 - HY120G - HY130G - HY140G.$$

Total disposable household income before social transfers except old-age and survivor' benefits (HY022) is defined as:

The total disposable income (HY020) **minus** total transfers plus old age benefits (PY100G) and survivor' benefits (PY110G) (i.e. total disposable income (HY020) minus unemployment benefits (PY090G); sickness benefits (PY120G); disability benefits (PY130G); education-related allowances (PY140G); family/children related allowances (HY050G); social exclusion not elsewhere classified (HY060G) and housing allowances (HY070G)).

That means:

$$HY022 = HY040G + HY080G + HY090G + HY110G - HY120G - HY130G - HY140G + [\text{for all household members}](PY010G + PY021G + PY050G + PY080G + PY100G + PY110G)$$

Total disposable household income before social transfers including old-age and survivor' benefits (HY023) is defined as:

The total disposable income (HY020) **minus** total transfers (unemployment benefits (PY090G); old-age benefits (PY100G); survivor' benefits (PY110G); sickness benefits (PY120G); disability benefits (PY130G); education-related allowances (PY140G); family/children related allowances (HY050G); social exclusion not elsewhere classified (HY060G) and housing allowances (HY070G)).

That means:

$$HY023 = HY040G + HY080G + HY090G + HY110G - HY120G - HY130G - HY140G + [\text{for all household members}](PY010G + PY021G + PY050G + PY080G)$$

HY025: Within-household non-response inflation factor

INCOME (Total household income (gross and disposable))

Cross-sectional and longitudinal

Reference period: income reference period

Unit: household

Mode of collection: constructed

Val

1.00000 - 5.00000 factor

Flags

1 filled
-1 missing

Factor by which it is necessary to multiply the total gross income, the total disposable income or the total disposable income before social transfers to compensate the non-response in individual questionnaires. It is necessary to correct the effect of non-responding individuals within a household otherwise, income of individuals not interviewed is not added up into the total household income.

One possible approach to dealing with the 'partial unit non-response' problem would be full imputation of missing personal interviews. Adjustment of sample weights can provide a simpler alternative, however, a simplified procedure, such as it was applied in the case of ECHP, is justified on the ground that only a small proportion (around 3% overall) of the households were affected by the problem, though of course it could substantially affect the data for particular households. At the moment any decision was taken on how to calculate that factor.

Countries using HY025 inflation factor:

DE, ES, GR, LV, PT, SK

All other countries imputed missing personal interviews

HY030G/HY030N: Imputed rent

INCOME (Gross income components at household level)

Cross-sectional and longitudinal

Reference period: income reference period

Unit: household

Mode of collection: household respondent or register

Values

1 - 999999.99	income (in euros)
0	no income

Flags

0	no income
1	income (variable is filled)
-1	missing (As missing values are imputed this code is only acceptable if imputation is not possible)
-5	not filled: variable of net (.....G) / gross (.....N) series is filled

Mandatory only from 2007 on.

Imputed rent

The imputed rent refers to the value that shall be imputed for all households that do not report paying full rent, either because they are owner-occupiers or they live in accommodation rented at a lower price than the market price, or because the accommodation is provided rent free.

The imputed rent shall be estimated only for those dwellings (and any associated buildings such a garage) used as a main residence by the households.

The value to impute shall be the equivalent market rent that shall be paid for a similar dwelling as that occupied, less any rent actually paid (in the case where the accommodation is rented at a lower price than the market price), less any subsidies received from the government or from a non-profit institution (if owner occupied or the accommodation is rented at a lower price than the market price), less any minor repair or refurbishment expenditure which the owner-occupier households make on the property of the type that would normally be carried out by landlords.

The market rent is the rent due for the right to use an unfurnished dwelling on the private market, excluding charges for heating, water, electricity, etc.

Eurostat recommends using Regression method.

HY040G/HY040N: Income from rental of a property or land
HY090G/HY090N: Interest, dividends, profit from capital investments in unincorporated business

INCOME (Gross income components at household level)
Cross-sectional and longitudinal
Reference period: income reference period
Unit: household
Mode of collection: household respondent or register

Values

1 - 999999.99 income (in euros)
0 no income

Flags HY...G

Net/gross at data collection

0 no income
1 net of tax on income at source and social contributions
2 net of tax on income at source
3 net of tax on social contributions
4 gross
5 unknown

To values 1,2,3,4 must be concatenated the imputation factor (if)
if = 000.00000 - 100.00000 = collected value / recorded value

-1 missing (As missing values are imputed this code is only acceptable if not imputation is possible)
-5 not filled: variable of net series is filled

Flags HY...N

Net/gross at data collection

First digit

0 no income
1+x net of tax on income at source and social contributions
2+x net of tax on income at source
3+x net of tax on social contributions
4+x gross
5+5 unknown

To values 1,2,3,4,5 must be concatenated a second flag: Net recorded)

x+1 net of tax on income at source and social contributions
x+2 net of tax on income at source
x+3 net of tax on social contributions
5+5 unknown

-1 missing (As missing values are imputed this code is only acceptable if not imputation is possible)
-5 not filled: variable of gross series is filled

Imputation factor

000.00000 to 9999.99999 = collected value / recorded value

Note: for SI: aggregation into small classes

Note: Only for HY090G and for FI for 2004 and 2005 and EE from 2005:

Perturbation of the 3 households having the highest HY010 income:

- Selection of the 3 highest HY010 households
- 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

Gross means that neither taxes nor social contributions have been deducted at source.

Property income

Property income is defined as the income received less expenses occurring **during the income reference period** by the owner of a financial asset or a tangible non-produced asset (land) in return for providing funds to, or putting the tangible non-produced asset at the disposal of, another institutional unit.

The property income is broken down into:

- (1) Interest, dividends, profits from capital investment in an unincorporated business (HY090G)/ (HY090N)
- (2) Income from rental of a property or land (HY040G)/ (HY040N)

Interest, dividends, profits from capital investment in an unincorporated business (HY090G)

Interest (not included in the profit/loss of an unincorporated enterprise), dividends, profits from capital investment in an unincorporated business refer to the amount of interest from assets such as bank accounts, certificates of deposit, bonds, etc, dividends and profits from capital investment in an unincorporated business, in which the person does not work, received **during the income reference period** less expenses incurred.

Recommendations:

Due that has been noted during the pilot survey that is difficult to collect interest from accounts,...Eurostat recommends for improving the collection of this variable to not only give the respondents the possibility to give the exact amount but also to choose among ranges of values.

Income from rental of a property or land (HY040G)

Income from rental of a property or land refers to the income received, **during the income reference period**, from renting a property (for example renting a dwelling - not included in the profit/loss of unincorporated enterprises-, receipts from boarders or lodgers, or rent from land) after deducting costs such as mortgage interest repayments, minor repairs, maintenance, insurance and other charges.

The net income series correspond to the gross income components but the tax at source or the social insurance contributions or both are deducted.

HY050G/HY050N: Family/Children related allowances
HY060G/HY060N: Social exclusion not elsewhere classified
HY070G/HY070N: Housing allowances

INCOME (Gross income components at household level)
Cross-sectional and longitudinal
Reference period: income reference period
Unit: household
Mode of collection: household respondent or register

Values

1 - 999999.99	income (in euros)
0	no income

Flags

see HY040G/HY040N

Imputation factor

000.00000 to 9999.99999 = collected value / recorded value

Social benefits

Social benefits¹ are defined as current transfers received during the **income reference period** by households intended to relieve them from the financial burden of a number of risk or needs, made through collectively organised schemes, or outside such schemes by government units and NPISHs (Non Profit Institution Serving Households).

It includes the value of any social contributions and income tax payable on the benefits by the beneficiary to social insurance schemes or to tax authorities.

In order to be included as a social benefit, the transfer must meet one of two criteria:

- Coverage is compulsory (under law, regulation or a collective bargaining agreement) for the group in question;
- It is based on the principle of social solidarity (i.e. if it is an insurance-based pension, the premium and entitlements are not proportional to the individual exposure to risk of the people protected).

The Social benefits collected a household level are the following:

- Family/children related allowance (HY050G)/ (HY050N)
- Housing allowances (HY070G)/ (HY070N)
- Social exclusion not elsewhere classified (HY060G)/ (HY060N)

¹ The social benefits included in EU-SILC, with the exception of housing benefits, are restricted to cash benefits.

Social benefits exclude:

- Benefits paid from schemes into which the recipient has made voluntary payments only, independently of his/her employer or government (which are included under ‘Pensions from individual private plans (other than those covered under ESSPROS)’ (PY080G)).

Family/children related allowance (HY050G)

The Family/children Function refers to benefits that:

- provide financial support to households for bringing up children¹;
- provide financial assistance to people who support relatives other than children

It includes:

- Income maintenance benefit in the event of childbirth: flat-rate or earnings-related payments intended to compensate the parent for loss of earnings due to absence from work in connection with childbirth for the period before and/or after confinement or in connection with adoption;
- Birth grant: benefits normally paid as a lump sum or by instalments in case of childbirth or adoption;
- Parental leave benefit: benefit paid to either mother or father in case of interruption of work or reduction of working time in order to bring up a child, normally of a young age;
- Family or child allowance: periodical payments to a member of a household with dependent children to help with the costs of raising children;
- Other cash benefits: benefits paid independently of family allowances to support households and help them meet specific costs, such as costs arising from the specific needs of lone parent families or families with handicapped children. These benefits may be paid periodically or as a lump-sum.

It excludes:

- Payments made by employers to an employee in lieu of wages and salaries through a social insurance scheme when unable to work through maternity leave where such payment can not be separately and clearly identified as social benefits (These payments are included under ‘gross employee cash or near cash income’ (PY010G)).
- Additional payments made by employers to an employee to supplement the maternity leave pay entitlement from a social insurance schemes, where such payments cannot be separately and clearly identified as social benefits (These payments are included under ‘gross employee cash or near cash income’ (PY010G)).

¹ The benefits received with the salary for bringing up children are included under HY050

Housing allowances (HY070G)

The Housing Function refers to interventions by public authorities to help households meet the cost of housing. An essential criterion for defining the scope of a Housing allowance is the existence of a qualifying means-test for the benefit.

It includes:

- Rent benefit: a current means-tested transfer granted by a public authority to tenants, temporarily or on a long-term basis, to help with rent costs.
- Benefit to owner-occupiers: a means-tested transfer by a public authority to owner-occupiers to alleviate their current housing costs: in practice often help with paying mortgages and/or interest.

It excludes:

- Social housing policy organised through the fiscal system (that is, tax benefits).
- All capital transfers (in particular investment grants).

Social exclusion not elsewhere classified (HY060G)

Social benefits in the function 'social exclusion not elsewhere classified' refer to the "socially excluded" or to "those at risk of social exclusion". General as this is, target groups may be identified (among others) as destitute people, migrants, refugees, drug addicts, alcoholics, victims of criminal violence.

It includes:

- Income support: periodic payments to people with insufficient resources. Conditions for entitlement may be related not only to the personal resources but also to nationality, residence, age, availability for work and family status. The benefits may have a limited or an unlimited duration; they may be paid to the individual or to the family, and provided by central or local government;
- Other cash benefits: support for destitute and vulnerable persons to help alleviate poverty or assist in difficult situations. These benefits may be paid by private non-profit organisations.

It excludes:

- Pensions for persons who participated in National Resistance. These pensions should be classified under 'old age function'. Any one who is old enough to have been in the resistance must be over 70.

The net income series correspond to the gross income components but the tax at source or the social insurance contributions or both are deducted.

HY080G/HY080N: Regular inter-household cash transfer received
--

<p><i>INCOME (Gross income components at household level)</i> <i>Cross-sectional and longitudinal</i> <i>Reference period: income reference period</i> <i>Unit: household</i> <i>Mode of collection: household respondent or register</i></p>

Values

1 - 999999.99	income (in euros)
0	no income

Flags

<i>see HY040G/HY040N</i>

Imputation factor

<i>000.00000 to 9999.99999 = collected value / recorded value</i>

This item is classified under current transfer received.

Regular inter-household cash transfers received (HY080G)

Regular inter-household cash transfers received refer to regular monetary amounts received, **during the income reference period**, from other households or persons.

It includes:

- Compulsory alimony and child support;
- Voluntary alimony and child support received on a regular basis;
- Regular cash support from persons other than household members;
- Regular cash support from households in other countries.

It excludes:

- Free or subsidised housing provided by another household (which is included under 'Imputed rent' (HY030G)).

The net income series correspond to the gross income components but the tax at source or the social insurance contributions or both are deducted.

HY100G/HY100N: Interest repayments on mortgage

INCOME (Gross income components at household level)

Cross-sectional and longitudinal

Reference period: income reference period

Unit: household

Mode of collection: household respondent or register

Values

1 - 999999.99	income (in euros)
0	no income

Flags

0	no income
1	variable is filled
-1	missing (As missing values are imputed this code is only acceptable if not imputation is possible)
-5	Not filled: variable of the net/gross series is filled

Imputation factor

000.00000 to 9999.99999 = collected value / recorded value

Interest paid on mortgage (HY100G)

Interest paid on mortgage refers to the total gross amount, before deducting any tax credit or tax allowance, of mortgage interest on the main residence of the household **during the income reference period.**

It excludes:

- Any other mortgage payments, either interest or principal, made at the same time, such as mortgage protection insurance or home and contents insurance;
- Payments on mortgages to obtain money for housing purposes (e.g. repairs, renovations, maintenance etc.) or for non-housing purposes.
- Repayments of the principal or capital sum.

The net income series correspond to the gross income components but the tax at source or the social insurance contributions or both are deducted.

HY110G/HY110N: Income received by people aged under 16

INCOME (Gross income components at household level)
Cross-sectional and longitudinal
Reference period: income reference period
Unit: household
Mode of collection: household respondent or register

Values

1 - 999999.99	income (in euros)
0	no income

Flags

see HY040G/HY040N

Imputation factor

000.00000 to 9999.99999 = collected value / recorded value

Income received by people aged under 16 (HY110G)

Income received by people aged under 16 is defined as the gross income received by all household members aged under sixteen **during the income reference period**.

It excludes:

- Transfers between household members;
- Income collected at household level (i.e. variables HY040G, HY050G, HY060G, HY070G, HY080G, and HY090G).

The net income series correspond to the gross income components but the tax at source or the social insurance contributions or both are deducted.

HY120G/HY120N: Regular taxes on wealth

INCOME (Gross income components at household level)

Cross-sectional and longitudinal

Reference period: income reference period

Unit: household

Mode of collection: household respondent or register

Values

1 - 999999.99	income (in euros)
0	no income

Flags

0	no income
1	variable is filled
-1	missing (As missing values are imputed this code is only acceptable if not imputation is possible)
-4	Amount included in another income component
-5	Not filled: variable of the net/gross series is filled

Imputation factor

000.00000 to 9999.99999 = collected value / recorded value

Note: for SI: aggregation into small classes

Note: for HY120G and FI for 2004 and 2005 and EE from 2005

Perturbation of the 3 households having the highest HY010 income:

- Selection of the 3 highest HY010 households
- 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

Regular taxes on wealth (HY120G)/ (HY120N)

Regular taxes on wealth refers to taxes that are payable periodically on the ownership or use of land or buildings by owners, and current taxes on net wealth and on other assets (jewellery, other external signs of wealth) The regular taxes on wealth provided will be those paid **during the income reference period**.

It includes any interest charged on arrears of taxes due and any fines imposed by taxation authorities, paid **during the income reference period and** property taxes paid directly to the taxation authority by tenants during the income reference period.

It excludes:

- Intermittent taxes such as inheritance taxes, death duties or taxes on gifts inter vivo.

- Taxes assessed on holdings of property, land or real estate when these holdings are used as a basis for estimating the income of their owners (these taxes are included under ‘Tax on income and social insurance contributions’ (HY140G)).
- Taxes on land, buildings or other assets owned or rented by enterprises and used by them for production (these taxes are considered as taxes on production and they are deducted from the market output of self-employment income to build the component ‘Gross cash benefits or losses from self-employment’ (including royalties) (PY050G)).

HY130G/HY130N: Regular inter-household cash transfer paid

INCOME (Gross income components at household level)
Cross-sectional and longitudinal
Reference period: income reference period
Unit: household
Mode of collection: household respondent or register

Values

1 - 999999.99	income (in euros)
0	no income

Flags

see HY040G/HY040N

Imputation factor

000.00000 to 9999.99999 = collected value / recorded value

Regular inter-household cash transfers paid (HY130G)

Regular inter-household transfers paid refer to regular monetary amount paid, **during the income reference period**, to other households.

Regular inter-household transfers paid include:

- Compulsory alimony and child support
- Voluntary alimony and child support paid on a regular basis
- Regular cash support to persons other than household members
- Regular cash support to households in other countries.

The net income series correspond to the gross income components but the tax at source or the social insurance contributions or both are deducted.

HY140G/HY140N: Tax on income and social contributions

INCOME (Gross income components at household level)

Cross-sectional and longitudinal

Reference period: income reference period

Unit: household

Mode of collection: household respondent or register

Values

-999999.99 - 999999.9	tax (in euros)
0	no income

Flags

0	no income
1	variable is filled
-1	missing (As missing values are imputed this code is only acceptable if not imputation is possible)
-5	Not filled: variable of the net/gross series is filled

Imputation factor

000.00000 to 9999.99999 = collected value / recorded value

Note: for HY140G and FI for 2004 and 2005 and EE from 2005

Perturbation of the 3 households having the highest HY010 income:

- Selection of the 3 highest HY010 households
- 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

Tax on income and social insurance contributions (HY140G) / (HY140N)

Tax on income refers to taxes on income, profits and capital gains. They are assessed on the actual or presumed income of individuals, households or tax-unit. They include taxes assessed on holdings of property, land or real estate when these holdings are used as a basis for estimating the income of their owners.

Taxes on income include:

- Taxes on individual, household or tax-unit income (income from employment, property, entrepreneurship, pensions, etc.), including taxes deducted by employers (pay-as-you earn taxes), other taxes at source and taxes on the income of owners of unincorporated enterprise paid **during the income reference period**.
- By way of exception, Member States using data from registers and other Member States, for which this is the most suitable way, can report taxes on ‘income received’ in the income reference year, if it only marginally affects comparability.

- Tax reimbursement received **during the income reference period** related to tax paid for the income received during the income reference period or for income received in previous years. This value will be taken into account as a reduction of taxes paid.
- Any interest charged on arrears of taxes due and any fines imposed by taxation authorities

Taxes on income exclude:

- Fees paid for hunting, shooting and fishing

Social insurance contributions refers to employees', self-employed and if applicable unemployed, retirement and so on contributions paid **during the income reference period** to either mandatory government or employer-based social insurance schemes (pension, health, etc.).

HY140N may be filled only if one of the following income component:

HY040N, HY050N, HY060N, HY070N, HY080N, HY090N, HY110N, HY130N

have been recorded as partially net income. That means:

- Net of tax on income at source (2nd flag digit = 2)
- Net of social contribution (2nd flag digit =3)

Then HY140N value encompass all tax on income and social contribution already included in the above list.

HY145N: Repayments/receipts for tax adjustment

INCOME (Gross income components at household level)

Cross-sectional and longitudinal

Reference period: income reference period

Unit: household

Mode of collection: household respondent or register

Values

-999999.99 – -1	receipts (in euros)
1 - 999999.99	repayments (in euros)
0	no income

Flags

0	no income
1	variable is filled
-1	missing (As missing values are imputed this code is only acceptable if not imputation is possible)

Imputation factor

000.00000 to 9999.99999 = collected value / recorded value

Repayments/receipts for tax adjustments refer to the money paid to/received from Taxes Authorities related to the income received.

This applies only in the cases when taxes at source were deducted from income received and the Tax Authorities compare the amount of taxes of income paid at source with the taxes which corresponded be paid over the total income received for the 'tax unit'. If the 'tax unit' has paid in advance more taxes than those that correspond to the income received, the Tax Authorities reimburse money to the tax unit. These reimbursements can refer to tax paid for the income received during the income reference period or for income received in previous years .

If the 'tax unit' has paid in advance less taxes than those that correspond to the income received, in this case the 'tax unit' will have to paid more taxes (tax adjustments) to the Tax Authorities.

This variable will be filling when the country has recorded only net income at component level. If the income at component level is reported gross or some of the components are gross and some nets the tax adjustments will be included, in general, under the variable HY140G

HX010: Change rate

BASIC DATA (Basic household data including degree of urbanisation)

Cross-sectional and longitudinal

Reference period: income reference period

Unit: household / person

Mode of collection: external source

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) * HX010 = income data (national currency)

HX020: Work intensity status

BASIC PERSONAL DATA (Basic household data)

Cross-sectional

Reference period: end of income reference period

Unit: household

Mode of collection: constructed

Values

1 - 4 (see below)

Calculation of work intensity

A working age person is defined as a person aged 18-64.

For each working age person ($W_{\text{age/person}}$) two figures are computed:

- The number of months during the income reference period for which information on his/her activity status is available (the 'workable' months: NWA_m)
- The number of months during the income reference period for which the person has been classified as worker (Number of 'worked' months: NW_m)

The following derived variables will be constructed:

AGE the age calculate at the end of income reference period

$TOT^1 = PL070 + PL072 + PL080 + PL085 + PL087 + PL090$

$EMP = PL070 + PL072$

If $AGE \leq 18$ $NWA_m = NW_m = 0$

If $AGE \geq 65$ $NWA_m = NW_m = 0$

If $18 \leq AGE \leq 64$ then:

- $NWA_m = TOT$
- $NW_m = EMP$

¹ Before adding up the variables do : $PL0XY = 0$ if $PL0XY_F = -1$ where $XY = 70, 72, 80, 85, 87, 90$

In each household, calculate the derived variables:

- $TNW_m = \sum_{\text{household members}} NW_m$
- $TNWA_m = \sum_{\text{household members}} NWA_m$
- $WI = \frac{TNW_m}{TNWA_m}$

Definition of HX020 codes

- $WI = 0$ $HX020 = 1$
- $0 < WI < 0.5$ $HX020 = 2$
- $0.5 \leq W < 1$ $HX020 = 3$
- $W = 1$ $HX020 = 4$

The work intensity status is assigned to each household member

HX040: Household size

<i>BASIC PERSONAL DATA (Basic household data)</i>

<i>Cross-sectional and longitudinal</i>

<i>Reference period: end of income reference period</i>

<i>Unit: household</i>

<i>Mode of collection: constructed</i>
--

Values

1 - 99

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)

HX050: equivalised household size

BASIC PERSONAL DATA (Basic household data)

Cross-sectional and longitudinal

Reference period: end of income reference period

Unit: household

Mode of collection: constructed

Values

1 - 99.99

Calculation of equivalised household size

Let

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:

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

HX060: Household type

BASIC PERSONAL DATA (Basic household data)

Cross-sectional

Reference period: end of income reference period

Unit: household

Mode of collection: constructed

Values

5 - 13 (see below)

- 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.

HX070: Tenure status

HOUSING (Dwelling type, tenure status and housing conditions)

Cross-sectional

Reference period: current

Unit: household

Mode of collection: constructed

Values

1 - 2 (see below)

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

HX080: Poverty indicator

BASIC PERSONAL DATA (Basic household data)

Cross-sectional

Reference period: end of income reference period

Unit: household

Mode of collection: constructed

Values

0 - 1 *(see below)*

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

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

HX090: equivalised disposable income

INCOME (Total household income (gross and disposable))

Cross-sectional and longitudinal

Reference period: income reference period

Unit: household

Mode of collection: constructed

Values

-999999.99 - 999999.99 income (in euros) without inflation factor

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

HX100: equivalised disposable income quintiles

INCOME (Total household income (gross and disposable))

longitudinal

Reference period: income reference period

Unit: household

Mode of collection: constructed

Values

1 - 5

HX100= 1: household pertains to the lower (1st) quintile

HX100= 2: household pertains to the 2nd quintile

HX100= 3: household pertains to the 3rd quintile

HX100= 4: household pertains to the 4th quintile

HX100= 5: household pertains to the upper (5th) quintile

Personal Data (P-file)

PB010: Year of the survey

<i>BASIC PERSONAL DATA (Basic data)</i>

<i>Cross-sectional and longitudinal</i>

<i>Reference period: current</i>

<i>Unit: all current household members aged 16 and over</i>

<i>Mode of collection: Interviewer</i>
--

Values

<i>year (4 digits)</i>

PB020: Country

BASIC PERSONAL DATA (Basic data)

Cross-sectional and longitudinal

Reference period: constant

Unit: all current household members aged 16 and over

Mode of collection: frame

Values

BE	Belgique/Belgie
DK	Danmark
DE	Deutschland
GR	Ellada
ES	España
FR	France
IE	Ireland
IT	Italia
LU	Luxembourg
NL	Nederland
AT	Österreich
PT	Portugal
FI	Suomi
SE	Sverige
UK	United Kingdom
BG	Bulgaria
CY	Cyprus
CZ	Czech republic
EE	Estonia
HU	Hungary
LV	Latvia
LT	Lithuania
MT	Malta
PL	Poland
RO	Romania
SK	Slovak republic
SI	Slovenia
IS	Iceland
HR	Croatia
NO	Norway
CH	Switzerland
TR	Turkey

PB030: Personal ID

<i>BASIC PERSONAL DATA (Basic data)</i>

<i>Cross-sectional and longitudinal</i>

<i>Reference period: constant</i>

<i>Unit: all current household members aged 16 and over</i>

<i>Mode of collection: Frame, register or interviewer</i>

Values

<i>ID number</i>	<i>See construction doc "UDB description" point 8.6.6</i>
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PB040: Personal cross-sectional weight

[Personal cross-sectional weight (all household members aged 16 and over)]

BASIC PERSONAL DATA (Basic data)

Cross-sectional

Reference period: constant

Unit: all current household members aged 16 and over

Mode of collection: constructed

Values

0+ (format 2.5) weight (see below the required format)

Flags

1 filled

Required format

In principle, according to the regulation, these weights had to be coded with 2 integers and 5 decimals. But, that cause problems if the weights have at least 3 integers. That's why, in practice, household design weights will be coded with at least one integer and 5 decimals.

PB050: Personal base weight

[Personal base weight (all household members aged 16 and over)]

BASIC PERSONAL DATA (Basic data)

Longitudinal

Reference period: constant

Unit: all current household members aged 16 and over

Mode of collection: constructed

Values

0+ (format 2.5) weight (see the bellow required format)

Flags

1 filled

Required format

In principle, according to the regulation, these weights had to be coded with 2 integers and 5 decimals. But, that cause problems if the weights have at least 3 integers. That's why, in practice, household design weights will be coded with at least one integer and 5 decimals.

PB060: Personal cross-sectional weight for selected respondent

BASIC PERSONAL DATA (Basic data)

Cross-sectional

Reference period: constant

Unit: all current household members aged 16 and over

Mode of collection: constructed

Values

0+ (format 2.5) weight (see below the required format)

Flags

1	filled
-3	not selected respondent

Required format

In principle, according to the regulation, these weights had to be coded with 2 integers and 5 decimals. But, that cause problems if the weights have at least 3 integers. That's why, in practice, household design weights will be coded with at least one integer and 5 decimals.

PB080: Personal base weight for selected respondent

BASIC PERSONAL DATA (Basic data)

Longitudinal

Reference period: constant

Unit: all current household members aged 16 and over

Mode of collection: constructed

Values

0+ (format 2.5) weight (see below the required format)

Flags

1	filled
-3	not selected respondent

Required format

In principle, according to the regulation, these weights had to be coded with 2 integers and 5 decimals. But, that cause problems if the weights have at least 3 integers. That's why, in practice, household design weights will be coded with at least one integer and 5 decimals.

PB100: Quarter of the personal interview

BASIC PERSONAL DATA (Basic data)

Cross-sectional and longitudinal

Reference period: current

Unit: All current household members aged 16 and over

Mode of collection: Interviewer

Values

1 - 4 quarter (*See below*)

Flags

1 filled
-1 missing

If the data is extracted from registers the date corresponds to the date of the extraction

- 1= January, February, March
- 2= April, May, June
- 3= July, August, September
- 4= October, November, December

PB110: Year of the personal interview

BASIC PERSONAL DATA (Basic data)

Cross-sectional and longitudinal

Reference period: current

Unit: All current household members aged 16 and over

Mode of collection: Interviewer

Values

year (4 digits)

Flags

1	filled
-1	missing

If the data is extracted from registers the date corresponds to the date of the extraction

PB120: Minutes to complete the personal questionnaire

[Number of minutes to complete the personal questionnaire]

BASIC PERSONAL DATA (Basic data)

Cross-sectional and longitudinal

Reference period: current

Unit: Selected respondent (where applies) or all current household members aged 16 and over

Mode of collection: Interviewer

Values

1 – 999 Number of minutes

Flags

1	filled
-1	missing
-2	na (information only extracted from registers)

PB130: Quarter of birth

BASIC PERSONAL DATA (Demographic data)

Cross-sectional and longitudinal

Reference period: constant

Unit: all current household members aged 16 and over

Mode of collection: personal interview, proxy or register

Values

1 -4 quarter

Flags

1 filled
-1 missing

- [1] 1= January, February, March
 2= April, May, June
 3= July, August, September
 4= October, November, December
 N/A information not provided

COUNTRY	2004	2005 / 2006
BE	[1]	[1]
CZ	N/A	[1]
DK	[1]	[1]
DE	N/A	N/A
EE	[1]	[1]
EL / GR	[1]	[1]
ES	[1]	[1]
FR	[1]	[1]
IE	N/A	N/A
IT	[1]	[1]
CY	N/A	[1]
LV	N/A	[1]
LT	N/A	[1]
LU	[1]	[1]
HU	N/A	[1]
MT	N/A	N/A
NL	N/A	N/A
AT	[1]	[1]
PL	N/A	[1]
PT	[1]	[1]
SI	N/A	N/A
SK	N/A	[1]
FI	[1]	[1]
SE	[1]	[1]
UK	N/A	N/A
IS	N/A	[1]
NO	[1]	[1]

PB140: Year of birth

<i>BASIC PERSONAL DATA (Demographic data)</i>

<i>Cross-sectional and longitudinal</i>

<i>Reference period: constant</i>

<i>Unit: all current household members aged 16 and over</i>

<i>Mode of collection: personal interview, proxy or register</i>
--

Values

<i>year (4 digits)</i>

Flags

1	filled
-1	missing

Bottom coding YY-80 and below (where YY= year of the survey)

For example:

2004: A household member coded "1924" is born in 1924 or before

PB150: Sex

BASIC PERSONAL DATA (Demographic data)

Cross-sectional and longitudinal

Reference period: constant

Unit: all current household members aged 16 and over

Mode of collection: personal interview, proxy or register

Values

1	Male
2	Female

Flags

1	filled
-1	missing

PB160: Father ID

BASIC PERSONAL DATA (Demographic data)

Cross-sectional and longitudinal

Reference period: current

Unit: all current household members aged 16 and over

Mode of collection: personal interview, proxy or registers

Values

Personal Id of father

Flags

1	filled
-1	missing
-2	na (father is not a household member)

See RB220

PB170: Mother ID

BASIC PERSONAL DATA (Demographic data)

Cross-sectional and longitudinal

Reference period: current

Unit: all current household members aged 16 and over

Mode of collection: personal interview, proxy or registers

Values

Personal Id of mother

Flags

1	filled
-1	missing
-2	na (mother is not a household member)

See RB230

PB180: Spouse/partner ID

BASIC PERSONAL DATA (Demographic data)

Cross-sectional and longitudinal

Reference period: current

Unit: all current household members aged 16 and over

Mode of collection: personal interview, proxy or registers

Values

Personal Id of spouse/partner

Flags

1	filled
-1	missing
-2	not applicable (person has no spouse/partner or spouse/partner is not a household member)

See RB240

PB190: Marital status

BASIC PERSONAL DATA (Demographic data)

Cross-sectional and longitudinal

Reference period: current

Unit: all current household members aged 16 and over

Mode of collection: personal interview, proxy or registers

Values

1	Never married
2	Married
3	Separated
4	Widowed
5	Divorced

Flags

1	filled
-1	missing

Marital status is the conjugal status of each individual in relation to the marriage laws of the country (i.e. de jure status). It therefore does not necessarily correspond with the actual situation of the household in terms of co-habitation, arrangements, etc.

Some countries have a legal framework for registering partnerships (in most countries these are same-sex partnership and they have a legal status parallel to married couples). Such information has also to be treated in a harmonised way and it is proposed to treat them as married and classified them under code 2 when the relation still exists, else as 3-5 as appropriated (legal separation or death of one of partners or so on).

PB200: Consensual Union

BASIC PERSONAL DATA (Demographic data)

Cross-sectional and longitudinal

Reference period: current

Unit: all current household members aged 16 and over

Mode of collection: personal interview, proxy or registers

Values

1	yes, on a legal basis
2	yes, without a legal basis
3	no

Flags

1	filled
-1	missing

Both partners have to live in the same household

With legal basis = legal spouse or registered partner

Without legal basis = "de facto" partner

PB210: Country of birth

BASIC PERSONAL DATA (Demographic data)

Cross-sectional

Reference period: constant

Unit: all current household members aged 16 and over

Mode of collection: personal interview, proxy or registers

Values

LOC, EU, OTH (see below)

Flags

1	filled
-1	missing

Note: for EE from 2004 and DE, LV and SI from 2005: EU is grouped into OTH

LOC: same country as country of residence

EU: Any European union country (EU25) except country of residence

OTH: Any other country

Country of birth is defined as the country of residence of the mother at the time of birth.

If a person was born in a place that currently belongs to a country different from the country that the place belonged to at the time of birth, the 'country' which the place belonged to at the moment of birth should be recorded.

In the case of countries that no longer exist (such as parts of the former Soviet Union or others), the present-day borders of the country should be used.

PB220A: Citizenship 1

BASIC PERSONAL DATA (Demographic data)

Cross-sectional

Reference period: current

Unit: all current household members aged 16 and over

Mode of collection: personal interview, proxy or registers

Values

LOC, EU, OTH (see below)

Flags

1	filled
-1	missing

Note: for EE from 2004 and DE, LV from 2005: EU is grouped into OTH
For SI: information is not provided

LOC: same country as country of residence

EU: Any European union country (EU25) except country of residence

OTH: Any other country

Citizenship is defined as the particular legal bond between the individual and his/her State acquired by birth or naturalisation, whether by declaration, option, marriage or other means according to the national legislation. It corresponds to the country of which the passport is used.

For persons with multiple citizenship and where one of the citizenship is the one of the country of residence, that citizenship should be coded.

PE010: Current education activity

EDUCATION (Education, including highest ISCED level attained)

Cross-sectional

Reference period: current

Unit: all current household members aged 16 and over

Mode of collection: personal interview, proxy or registers

Values

1	in education
2	not in education

Flags

1	filled
-1	missing

The concept is whether the person is currently participating in an educational program. An educational program, as defined under ISCED-97, is “an array or sequence of educational activities, which are organised to accomplish a pre-determined objective or a specified set of educational tasks” (UNESCO, 1999, p. 5).

The person’s participation in this programme may be on a full-time attendance basis, a part-time attendance basis or by correspondence course.

This variable only covers the regular education system (formal education, including schools, colleges and universities).

Formal education is defined as education and training with the following characteristics:

- purpose and format are predetermined.
- provided in the system of schools, colleges, universities and other educational institutions
- it normally constitutes a continuous ladder of education.
- it is structured in terms of learning objectives, learning time and learning support
- it is normally intended to lead to a certification recognised by national authorities qualifying for a specific education/programme).
- corresponds to the programmes covered by the UOE-questionnaires.

If the interviewee is enrolled as a student or an apprentice in a programme within the regular education system the answer will be 1.

This includes modules (short programmes/courses) which may be part of a longer regular education programme and are taken and completed, giving to their graduates the corresponding academic credit, independent of whether the person continues to complete the full programme or not. The level of the short programmes/courses will be the same as the programme of which they form part.

For apprentices who are in a period of only 'on-the-job training' or alternate 'on-the-job' and 'in-school learning' within the framework of an alternate (e.g. dual) programme, the answer is code 1, since the person is enrolled in a qualifying programme.

Persons who have begun a program of study, who are not taking part at present because of a semester or summer break, but who are intending to return to education after a semester or summer break should be coded as 'in education'.

The following adult programmes can not be classified using ISCED-97:

- vocational education organized by a firm without leading to an official award or certification
- any non-formal education without leading to an official award or certification
- individual cultural activities for leisure

PE020: ISCED level currently attended

EDUCATION (Education, including highest ISCED level attained)

Cross-sectional

Reference period: current

Unit: all current household members aged 16 and over

Mode of collection: personal interview, proxy or registers

Values

0	pre-primary education
1	primary education
2	lower secondary education
3	(upper) secondary education
4	post-secondary non tertiary education
5	first stage of tertiary education (not leading directly to an advanced research qualification) and second stage of tertiary education (leading to an advanced research qualification)

Flags

1	filled
-1	missing
-2	na (PE010 not = 1)

This variable is recorded for any person currently in education. The education could be full-time or part-time attendance or by correspondence course and the person needs not necessarily see their main activity as 'in education'.

Level is recorded according to the International Standard Classification of Education 1997 and consists of only levels without destination or orientation .

If the respondent is enrolled in several educational programmes, he or she only give information on the most higher educational programme.

Value "5" correspond to usual ISCED values 5 and 6

PE030: Year when highest level of education was attained

EDUCATION (Education, including highest ISCED level attained)

Cross-sectional

Reference period: current

Unit: all current household members aged 16 and over

Mode of collection: personal interview, proxy or registers

Values

year (4 digits)

Flags

1	filled
-1	missing
-2	na (the person has never been in education)

Note: Only for PT, bottom coded: YY-72 (where YY= year of the survey)
For example: 1932 = 1932 and below for 2004

The year when the highest level of education was attained will be specified.
If the person has never been in education he is classified as '-2'.

PE040: Highest ISCED level attained

EDUCATION (Education, including highest ISCED level attained)

Cross-sectional and longitudinal

Reference period: current

Unit: all current household members aged 16 and over

Mode of collection: personal interview, proxy or registers

Values

0	pre-primary education
1	primary education
2	lower secondary education
3	(upper) secondary education
4	post-secondary non tertiary education
5	first stage of tertiary education (not leading directly to an advanced research qualification) and second stage of tertiary education (leading to an advanced research qualification)

Flags

1	filled
-1	missing
-2	na (the person has never been in education)

Educational attainment of a person is the highest level of an educational programme the person has successfully completed and the study field of this programme. The educational classification to be used is the International Standard Classification of Education (ISCED 1997) coded according to the seven ISCED-97 categories. The basic unit of classification in ISCED-1997 is the educational programme. Educational programmes are defined “on the basis of their educational content as an array or sequence of educational activities, which are organised to accomplish a pre-determined objective or a specified set of educational tasks”. ISCED-1997 provides an improved set of criteria for assigning individual programmes to ‘levels’ of education. The more practical steps for the coding according to ISCED-97 will be found in the ISCED-97 manual published by UNESCO in November 1997.

The expression 'level successfully completed' must be associated with obtaining a certificate or a diploma, when there is a certification. In cases where there is no certification, successful completion must be associated with full attendance.

When determining the highest level, both general and vocational education/training should be taken into consideration.

Persons who have not completed their studies should be coded according to the highest level they have completed.

Persons with no education (illiterate) should be coded -2.

Value "5" correspond to usual ISCED values 5 and 6

PH010: General health

HEALTH (Health, including health status and chronic illness or condition)

Cross-sectional and longitudinal

Reference period: current

Unit: Selected respondent (where applies) or all current household members aged 16 and over

Mode of collection: Personal interview (proxy as an exception) or registers

Values

1	very good
2	good
3	fair
4	bad
5	very bad

Flags

1	filled
-1	missing
-3	not selected respondent

Note: Only for FI, and for 2004 and 2005 the scale used during interviews was:

1	Good
2	rather good
3	average
4	rather bad
5	bad

The measurement of self-perceived health (SPH) is, by its very nature, subjective. The notion is restricted to an assessment coming from the individual and not from anyone outside that individual, whether an interviewer, health care worker or relative. SPH is influenced by impressions or opinions from others, but is the result after these impressions have been processed by the individual relative to their own beliefs and attitudes.

The reference is to health in general rather than the present state of health, as the question is not intended to measure temporary health problems. It is expected to include the different dimensions of health, i.e. physical, social and emotional function and biomedical signs and symptoms. It omits any reference to an age. It is not time limited.

Five answers categories are proposed. Two (very good and good) are at the upper end of the scale and two (bad and very bad) are at the lower. It is also important to note that the intermediate category 'fair' should be translated into an appropriately neutral term, as far as possible keeping in mind cultural interpretations, in the various languages.

For this question a proxy should be limited as much as possible.

PH020: Suffer from any a chronic (long-standing) illness or condition

HEALTH (Health, including health status and chronic illness or condition)

Cross-sectional and longitudinal

Reference period: current

Unit: Selected respondent (where applies) or all current household members aged 16 and over

Mode of collection: Personal interview (proxy as an exception) or registers

Values

1	yes
2	no

Flags

1	filled
-1	missing
-3	not selected respondent

It is necessary to keep in mind that the recommended wording contains ‘alternatives’. For instance:

- ‘chronic’ or ‘longstanding’ should be chosen according to what is ‘best understood’ in a country/language.
- it is intended to ask if people ‘have’ a chronic condition, not if they really suffer from it. But it seems that in some countries/languages it would be strange to use the word ‘have’ and that they ‘suffer’ means the same as ‘have’.
- ‘health problem’ seems not to be understood in some countries/languages and therefore ‘illness or condition’ is the alternative.

The main characteristics of a chronic condition are that it is permanent and may be expected to require a long period of supervision, observation or care.

Rather than adding further details to the question wording, interviewers should be instructed to be as inclusive as possible in answering to PH020. This means that the following would all be included:

- problems that are seasonal or intermittent, even where they ‘flare up’ for less than six months at a time;
- problems not seen by the respondent as very serious (hay fever again): the item on severity or limitation would ‘screen out’ less serious problems at the second stage;
- problems that have not been diagnosed by a doctor (to exclude these would mean permitting those with better access to medical services to declare more problems);
- problems that the respondent treats him self or herself (e.g. with over-the-counter drugs);
- problems that have lasted (or recurred), or are expected to last (recur) over a six month period or longer.

For this question a proxy should be limited as much as possible.

PH030: Limitation in activities because of health problems

[Limitation in activities people usually do because of health problems for at least the last 6 months]

HEALTH (Health, including health status and chronic illness or condition)

Cross-sectional and longitudinal

Reference period: current

Unit: Selected respondent (where applies) or all current household members aged 16 and over

Mode of collection: Personal interview (proxy as an exception) or registers

Values

1	yes, strongly limited
2	yes, limited
3	no, not limited

Flags

1	filled
-1	missing
-3	not selected respondent

The person's self-assessment of whether they are hampered in their daily activity by any ongoing physical or mental health problem, illness or disability.

An activity is defined as: 'the performance of a task or action by an individual' and thus activity limitations are defined as 'the difficulties the individual experience in performing an activity'. Limitations should be due to a health condition.

The activity limitations are assessed against a generally accepted population standard, relative to cultural and social expectations by referring only to activities people usually do. This is a self-perceived health question and gives no restrictions by culture, age, gender or the subjects own ambition.

Specification of health concepts (e.g. physical and mental health) should be avoided.

The purpose of the instrument is to measure the presence of long-standing limitations, as the consequences of these limitations (e.g. care, dependency) are more serious. A 6 months period is often used to define chronic or long-standing diseases in surveys.

The period of at least the last 6 months is relating to the limitation. The answer to this question is yes (1 or 2) if the person is currently limited and has been limited in activities for at least the last 6 months.

In the response categories, a distinction is made in three levels of severity (yes strongly limited, yes limited, no not limited).

If the problem is seasonal or recurring the interviewee has to think in general over the at least the last six months (or coming six months if condition has just developed), would you say it has limited you strongly, somewhat or not at all.

PH040: Unmet need for medical examination or treatment

[Unmet need for medical examination or treatment during the last 12 months]

HEALTH (Access to health care)

Cross-sectional

Reference period: last twelve months

Unit: Selected respondent (where applies) or all current household members aged 16 and over

Mode of collection: Personal interview (proxy as an exception) or registers

Values

1	yes, there was at least one occasion when the person really needed examination or treatment but did not
2	no, there was no occasion when the person really needed examination or treatment but did not

Flags

1	filled
-1	missing
-3	not selected respondent

There were very large differences between the EU countries in terms of the proportion of people with free access to health care or medically. In countries where all or nearly all persons are covered, access to health care may still be limited by the existence of waiting lists and other forms of rationing.

The aim of the variable is to capture the person's own assessment of whether he or she needed to consult a medical specialist, but was not able to.

In principle, there is no need to explicitly exclude General Practitioners. If access is genuinely open, then it is only at the stage of access to the 'specialist' examination and treatment that restrictions will show up. If there were problems in access to a GP, we would certainly want to include this.

Regarding the inclusion of other types of treatment, one strategy is to use a form of wording to make clear that we want to include what is regarded as mainstream medicine in the country, i.e. the kinds of things covered by medical insurance. The key concern is with restrictions in access to what would generally be regarded in the society as appropriate treatment for a health condition. Countries will differ in terms of the extent to which specialists such as chiropractors, specialists in acupuncture and so on, have become 'mainstream'. This may be best accomplished by using an interviewer prompt.

We would also suggest adding the word 'personally' to make sure that the consultation/treatment was on the person's own behalf rather than on behalf of children. If this is not clarified, any comparison between men and women or between parents and non-parents might be confounded.

PH050: Main reason for unmet need for medical examination or treatment

HEALTH (Access to health care)

Cross-sectional

Reference period: last twelve months

Unit: Selected respondent (where applies) or all current household members aged 16 and over

Mode of collection: Personal interview (proxy as an exception) or registers

Values

- | | |
|---|--|
| 1 | Could not afford to (too expensive) |
| 2 | Waiting list |
| 3 | Could not take time because of work, care for children or for others |
| 4 | Too far to travel/no means of transportation |
| 5 | Fear of doctor/hospitals/examination/ treatment |
| 6 | Wanted to wait and see if problem got better on its own |
| 7 | Didn't know any good doctor or specialist |
| 8 | Other reasons |

Flags

- | | |
|----|-------------------------|
| 1 | filled |
| -1 | missing |
| -2 | na (PH040 not = 1) |
| -3 | not selected respondent |

This is a follow-up question to the previous one. It aims capture the dimension of restricted access to health care by including not only formal health care coverage (by insurance or universal coverage), but also restrictions due to rationing, waiting lists, the ability to afford care, and other reasons.

In the proposed classification for this item, option 2 (length of the waiting list) should be used for people who were actually on a waiting list and were not helped, for respondents who were discouraged from seeking care because of perceptions of the long waiting lists, as well as people who have 'applied' and are still waiting to see a medical specialist.

'Not covered by insurance' should be coded as 'could not afford to' if the respondent could not afford to pay for the treatment/examination himself or herself.

PH060: Unmet need for dental examination or treatment

[Unmet need for dental examination or treatment during the last 12 months]

HEALTH (Access to health care)

Cross-sectional

Reference period: last twelve months

Unit: Selected respondent (where applies) or all current household members aged 16 and over

Mode of collection: Personal interview (proxy as an exception) or registers

Values

1	yes, there was at least one occasion when the person really needed dental examination or treatment but did not
2	no, there was no occasion when the person really needed dental examination or treatment but did not

Flags

1	filled
-1	missing
-3	not selected respondent

There were very large differences between the EU countries in terms of the proportion of people with free access to dental care. In countries where all or nearly all persons are covered, access to health care may still be limited by the existence of waiting lists and other forms of rationing.

The aim of the variable is to capture the person's own assessment of whether he or she needed to consult a dentist, but was not able to.

We would suggest adding the word 'personally' to make sure that the consultation/treatment was on the person's own behalf rather than on behalf of children. If this is not clarified, any comparison between men and women or between parents and non-parents might be confounded.

PH070: Main reason for unmet need for dental examination or treatment

HEALTH (Access to health care)

Cross-sectional

Reference period: last twelve months

Unit: Selected respondent (where applies) or all current household members aged 16 and over

Mode of collection: Personal interview (proxy as an exception) or registers

Values

- | | |
|---|--|
| 1 | Could not afford to (too expensive) |
| 2 | Waiting list |
| 3 | Could not take time because of work, care for children or for others |
| 4 | Too far to travel/no means of transportation |
| 5 | Fear of doctor(dentist)/hospitals/examination/ treatment |
| 6 | Wanted to wait and see if problem got better on its own |
| 7 | Didn't know any dentist |
| 8 | Other reasons |

Flags

- | | |
|----|-------------------------|
| 1 | filled |
| -1 | missing |
| -2 | na (PH060 not = 1) |
| -3 | not selected respondent |

This is a follow-up question to the previous one. It aims capture the dimension of restricted access to health care by including not only formal health care coverage (by insurance or universal coverage), but also restrictions due to rationing, waiting lists, the ability to afford care, and other reasons.

In the proposed classification for this item, option 4 (length of the waiting list) should be used for people who are discouraged from seeking care because of perceptions of the length of wait, as well as people who have 'applied' and are still waiting to see a dentist.

PL015: Person has ever worked

LABOUR INFORMATION (Basic labour information on current activity status and on current main job, including information on last main job for unemployed)

Cross-sectional

Reference period: current

Unit: selected respondent (where applies) or all current household members aged 16 and over

Mode of collection: personal interview, proxy or registers

Values

1	yes
2	no

Flags

1	filled
-1	missing
-2	na (PL030 = 1 or 2)
-3	not selected respondent

Vacations jobs undertaken by students, from which they return to studies or to other non-work situation, and any other casual work undertaken from time to time are disregarded.

Normally, having ever worked refers to persons who worked on full or partial time basis for at least 6 months

PL020: Actively looking for a job

[Actively looking for a job in previous 4 weeks]

LABOUR INFORMATION (Basic labour information on current activity status and on current main job, including information on last main job for unemployed)

Cross-sectional and longitudinal

Reference period: previous 4 weeks

Unit: all current household members aged 16 and over

Mode of collection: personal interview, proxy or registers

Values

1	yes
2	no

Flags

1	filled
-1	missing
-2	na (PL030 = 1 or 2)

Applies only to persons not currently working.

The period of reference for this variable is the last four weeks ending with the reference week.

The answer will be 'yes' if the person is actively working for a job in previous four weeks.

The answer 'yes' should be recorded only if the person has used an active method for looking for a job. Passive methods should be coded 'no'.

Education and training are considered as ways of improving employability but not as methods of seeking work.

Persons who found a job to start later, i. e. within a period of at least 3 months should be coded 'yes'.

Active methods for looking for a job:

- having been in contact with a public employment office to find work, whoever took the initiative (renewing registration for administrative reasons only is not an active step),
- having been in contact with a private agency (temporary work agency, firm specialising in recruitment, etc.) to find work,
- applying to employers directly,
- asking among friends, relatives, unions, etc., to find work,
- placing or answering job advertisements,
- studying job advertisements,
- taking a recruitment test or examination or being interviewed,
- looking for land, premises or equipment,
- applying for permits, licences or financial resources.

PL025: Available for work

[Are you available for work in the next 2 weeks]

LABOUR INFORMATION (Basic labour information on current activity status and on current main job, including information on last main job for unemployed)

Cross-sectional and longitudinal

Reference period: current

Unit: all current household members aged 16 and over

Mode of collection: personal interview, proxy or registers

Values

1	yes
2	no

Flags

1	filled
-1	missing
-2	na (PL020 = 2) (See below)

If the person is currently available for work, i.e. were available for paid employment or self-employment before the end of the two weeks following the reference week.

'Currently available' means that if a job were found at the time of the interview, the person would be able to start working within two weeks. Testing for availability in the two weeks after the interview is considered more appropriate than testing during the reference week, because some persons may be unavailable for work during the reference week due to obstacles that might have been overcome had they known that a job was available to them.

Persons who found a job to start later, i. e. within a period of at least 3 months should be coded 'yes'.

Note: The flags will take the following values:

- 1 filled
- 1 missing
- 2 n.a.(PL020 not equal 1).

PL030: Self-defined current economic status

LABOUR INFORMATION (Basic labour information on current activity status and on current main job, including information on last main job for unemployed)

Cross-sectional and longitudinal

Reference period: current

Unit: all current household members aged 16 and over

Mode of collection: personal interview, proxy or registers

Values

1	Working full time
2	Working part-time
3	Unemployed
4	Pupil, student, further training, unpaid work experience
5	In retirement or in early retirement or has given up business
6	Permanently disabled or/and unfit to work
7	In compulsory military community or service
8	Fulfilling domestic tasks and care responsibilities
9	Other inactive person

Flags

1	filled
-1	missing

The self-declared current 'main activity status'

The concept of 'current' implies that any definitive changes in the activity situation are taken into account. For instance, if a person has lost a job or has retired recently, or the activity status has changed otherwise in a definitive manner, then the situation as of the time of the interview should be reported. In this sense, 'current' overrides any concept of averaging over any specific reference period.

The target variable captures **the person's own perception** of their main activity at present. It differs from the ILO concept to the extent that people's own perception of their main status differs from the strict definitions used in the ILO definitions. For instance, many people who would regard themselves as full-time students or homemakers may be classified as ILO-employed if they have a part-time job. Similarly, some people who consider themselves 'unemployed' may not meet the strict ILO criteria of taking active steps to find work and being immediately available.

The self-declared main activity status is, in principle, determined on the basis of the most time spent, but no criteria have been specified explicitly.

The information should be coded using a single question and not derived from different questions in from the questionnaire. This question shouldn't in any case precede the questions on 'worked at least an hour', 'actively looking for a job in the previous 4 weeks' and 'are you available for work in the next 2 weeks'.

Work

"Work" means any work for pay or profit, even for as little as one hour per week. Pay includes cash payments or "payment in kind" (payment in goods or services rather than

money). Also counted as working is anyone who receives wages for on-the-job training which involves the production of goods or services (ESA 11.13 f). Self-employed persons with a business, farm or professional practice are also considered to be working if one of the following applies :

- A person works in his own business, professional practice or farm for the purpose of earning a profit, even if the enterprise is failing to make a profit.
- A person spends time on the operation of a business, professional practice or farm even if no sales were made, no professional services were rendered, or nothing was actually produced (for example, a farmer who engages in farm maintenance activities; an architect who spends time waiting for clients in his/her office; a fisherman who repairs his boat or nets for future operations; a person who attends a convention or seminar).
- A person is in the process of setting up a business, farm or professional practice; this includes the buying or installing of equipment, and ordering of supplies in preparation for opening a new business. An unpaid family worker is said to be working if the work contributes directly to a business, farm or professional practice owned or operated by a related member of the same household.

Seasonal workers

During the off-season, seasonal workers cannot be considered as having a formal attachment to their high-season job— because they do not continue to receive a wage or salary from their employer although they may have an assurance of return to work.

Maternity and paternity leave

Maternity leave is first given to the mother (but may include the leave of the father in the case of a transfer of the entitlements) and corresponds to the compulsory period of the leave stipulated by national legislation to ensure that mothers before and after childbirth have sufficient rest, or for a period to be specified according to national circumstances. People in maternity leave should always be considered as working.

Parental leave

Parental leave can be taken either by the mother or the father and is the interruption of work in case of childbirth or to bring up a child of young age. It corresponds to the period when parents receive “parental leave benefit”. People in full-time parental leave should be treated as no working.

Layoffs

A person on lay-off is one whose written or unwritten contract of employment, or activity, has been suspended by the employer for a specified or unspecified period at the end of which the person concerned has a recognised right or recognised expectation to recover employment with that employer.

Lay-offs are classified as working if they receive $\geq 50\%$ of their wage or salary from their employer or have an assurance of return to work within a period of 3 months.

Full-time/part-time

The distinction between full-time and part-time work should be made on the basis of a spontaneous answer given by the respondent. It is impossible to establish a more exact distinction between part-time and full-time work, due to variations in working hours between

Member States and also between branches of industry. By checking the answer with the number of hours usually worked, it should be possible to detect and even to correct implausible answers, since part-time work will hardly ever exceed 35 hours, while full-time work will usually start at about 30 hours.

PL035: Worked at least 1 hour during the previous week

LABOUR INFORMATION (Basic labour information on current activity status and on current main job, including information on last main job for unemployed)

Cross-sectional

Reference period: previous week

Unit: selected respondent (where applies) or all current household members aged 16 and over

Mode of collection: personal interview, proxy or registers

Values

1	Yes
2	No

Flags

1	filled
-1	missing
-2	na (Person is not employee or MS has other source to calculate the gender pay gap)
-3	not selected respondent

A person is considered as working if he/her did any work for pay or profit during the reference week or was not working but had a job or business from which he/she was absent during the reference week.

Did any work for pay or profit during the reference week(LFS definition)

"Work" means any work for pay or profit during the reference week, even for as little as one hour. Pay includes cash payments or "payment in kind" (payment in goods or services rather than money), whether payment was received in the week the work was done or not. Also counted as working is anyone who receives wages for on-the-job training which involves the production of goods or services. Self-employed persons with a business, farm or professional practice are also considered to be working if one of the following applies :

- A person works in his own business, professional practice or farm for the purpose of earning a profit, even if the enterprise is failing to make a profit.
- A person spends time on the operation of a business, professional practice or farm even if no sales were made, no professional services were rendered, or nothing was actually produced (for example, a farmer who engages in farm maintenance activities; an architect who spends time waiting for clients in his/her office; a fisherman who repairs his boat or nets for future operations; a person who attends a convention or seminar).
- A person is in the process of setting up a business, farm or professional practice; this includes the buying or installing of equipment, and ordering of supplies in preparation for opening a new business. An unpaid family worker is said to be working if the work contributes directly to a business, farm or professional practice owned or operated by a related member of the same household. Unpaid family work is any task directly contributing to the operation of the family farm or business.

Conscripts performing some work for pay or profit during the reference week or not should always be coded 2.

Persons who works on their own small agriculture farm, who do not sell their products, but produce only for their own consumption:

The classification as employment, and then code 1 should be ticked, depends on whether it falls within the production boundaries. When this production is included in national accounts, underlying employment must be identified. This depends on the relative quantitative importance of the production of agricultural products for own consumption in relation to the total supply of these products in a country.

Was not working but had a job or business from which he/she was absent during the reference week (LFS definition)

Employees

A job exists if there is a definite and pre-scheduled arrangement between an employer and employee for regular work (that is, every week or every month), whether the work is full-time or part-time. The number of hours of work done each week or each month may vary considerably, but as long as some work is done on a regular and scheduled basis, a job is considered to exist.

Long-term absence from work.

If the total absence from work (measured from the last day of work to the day on which the paid worker will return) has exceeded three months then a person is considered to have a job only if he/she continues to receive (50% of the wage or salary from their employer. If this is not the case, they should be coded 2 in PL035.

Seasonal workers

During the off-season, seasonal workers cannot be considered as having a formal attachment to their high-season job— because they do not continue to receive a wage or salary from their employer although they may have an assurance of return to work. If they are not at work during the off-season, they should be coded 2 in PL035.

Maternity and paternity leave

Maternity leave is first given to the mother (but may include the leave of the father in the case of a transfer of the entitlements) and corresponds to the compulsory period of the leave stipulated by national legislation to ensure that mothers before and after childbirth have sufficient rest, or for a period to be specified according to national circumstances.

Parental leave can be taken either by the mother or the father and is the interruption of work in case of childbirth or to bring up a child of young age. It should correspond to the period when parents receive “parental leave benefit”.

People in maternity leave should always be coded 1 in PL035.

People in full-time parental leave should be treated as a case of long term absence from work.

For unpaid family workers

The unpaid family worker can be said to have a job (code 1 in PL035) but not be at work if there is a definite commitment by the employer (a related household member) to accept his/her return to work and the total absence do not exceed a period of 3 months. In this point Eurostat diverges from the ILO recommendation. If the period of absence exceeds 3 months they should be coded 2 in PL035.

For self-employed persons

If self-employed persons are classified as being absent from work, then they are regarded as in employment (code 1 in PL035) only if they can be said to have a business, farm or professional practice. This is the case if one or more of the following conditions are met:

- Machinery or equipment of significant value, in which the person has invested money, is used by him or his employees in conducting his business.
- An office, store, farm or other place of business is maintained.
- There has been some advertisement of the business or profession by listing the business in the telephone book, displaying a sign, distributing cards or leaflets, etc.

If none of these conditions is met, then the person is regarded as not being in employment and therefore should be coded 2 in PL035.

Was not working because on lay-off

A person on lay-off is one whose written or unwritten contract of employment, or activity, has been suspended by the employer for a specified or unspecified period at the end of which the person concerned has a recognised right or recognised expectation to recover employment with that employer.

Lay-offs are classified as employed (code 1 in PL035) if they receive (50% of their wage or salary from their employer or have an assurance of return to work within a period of 3 months.

Lay-offs are classified as unemployed (code 2 in PL035) if they receive less than 50% of their wage or salary from their employer, don't have assurance of return to work or have an agreed date but this date falls after a period of 3 months and if they are "available to start work in 2 weeks" and have "search for a job in the last 4 weeks".

Persons who find a job to start in the future should always be coded 2 in PL035.

Slack work for technical or economic reasons

A person in slack work for technical or economic reasons should have a formal attachment to his/her job and should be coded 1 in PL035 .

PL040: Status in employment

LABOUR INFORMATION (Basic labour information on current activity status and on current main job, including information on last main job for unemployed)

Cross-sectional and longitudinal

Reference period: current/last situation

Unit: all current household members aged 16 and over

Mode of collection: personal interview, proxy or registers

Values

1	self-employed with employees
2	self-employed without employees
3	employee
4	family worker

Flags

1	filled
-1	missing
-2	na (PL030 not = 1 or 2 and PL015 not = 1 and PL035 not = 1)

Status in employment in main job

This variable refers to the main job. If multiple jobs are held or were held, the main job should be the one with the greatest number of hours usually worked.

Self-employed with employees

Self-employed persons with employees are defined as persons who work in their own business, professional practice or farm for the purpose of earning a profit, and who employ at least one other person.

If people working in the business, professional practice or farm, are not paid then he/she should be considered as self employed without staff.

Self-employed without employees

Self-employed persons without employees are defined as persons who work in their own business, professional practice or farm for the purpose of earning a profit, and who do not employ any other person.

Nevertheless he may engage members of his/her own family or apprenticed without payment. In this category one can find farmers working alone or using the assistance of members of family.

In particular:

- A woman who looks after one or more children that are not her own on a private basis and receiving a payment for this service is a self-employed.
- A freelancer should be classified as self-employed, although a person who has been regularly retained by a single employer for some time may also be regarded as an employee.

Employee

Employees are defined as persons who work for a public or private employer and who receive compensation in the form of wages, salaries, fees, gratuities, payment by results or payment in kind; non-conscripted members of the armed forces are also included.

An employee is usually working for an outside employer, but a son or daughter, for example, who is working in a parent's firm and receives a regular monetary wage is classified here as an employee.

- A woman looking after children in her own home is classified as an employee if she is paid to do this by the local authority (or any other public administration) and if she doesn't take any decision affecting the enterprise (e.g. schedules or number of children) but as a self-employed if she does it privately.
- Apprentices, or trainees receiving remuneration should be considered as employees.
- Priests (of any kind of religion) are considered employees
- Persons who are simultaneously working in their own professional practice and for a public or private employer (e.g. doctors with their own cabinet and working in a hospital) should be classified according to the status where they work a more important number of hours.

Family worker

Family workers are persons who help another member of the family to run an agricultural holding or other business, provided they are not considered as employees.

Persons working in a family business or on a family farm without pay should be living in the same household as the owner of the business or farm, or in a slightly broader interpretation, in a house located on the same plot of land and with common household interests. Such people frequently receive remuneration in the form of fringe benefits and payments in kind. However, that this applies only when the business is owned or operated by the individual themselves or by a relative. Thus, unpaid voluntary work done for charity should not be included.

The category includes,

- A son or daughter working in the parents' business or on the parents' farm without pay.
- A wife who assists her husband in his business, e.g. a haulage contractor, without receiving any formal pay.

Members of producers' co-operatives

Members of producers' co-operatives should be considered as self-employed if in the co-operative, each member takes part on an equal footing with other members in determining the organisation of production, sales and /or other work of the establishment, the investments and the distribution of the proceeds of the establishment amongst their members.

In the case a co-operative hired workers and these workers have an employment contract that gives them a basic remuneration (which is not directly dependent upon the revenue of the co-operative), these workers are identified as employees of the co-operative.

Even if the co-operative has employees (e.g. an accountant) the members of the co-operative should be considered as "self-employed without employees" because the co-operative as an institution (and not any of its members) is the employer.

PL050: Occupation (ISCO-88 (COM))

LABOUR INFORMATION (Basic labour information on current activity status and on current main job, including information on last main job for unemployed)

Cross-sectional and longitudinal

Reference period: current/last situation

Unit: all current household members aged 16 and over

Mode of collection: personal interview, proxy or registers

Values

ISCO Code (2 digits / see annex 4)

Flags

1	filled
-1	missing
-2	na (PL030 not = 1 or 2 and PL015 not = 1 and PL035 not = 1)

Note: Only for PT, codes "11" and "12" grouped into "13"

This variable refers to the main job (current main job for people at work or last main job for people do not have a job). If multiple jobs are held or were held, the main job should be the one with the greatest number of hours usually worked.

The basis for the classification in the ISCO-88 scheme is the nature of the job itself and the level of skill required. A job is defined as the set of tasks and duties to be performed. Skills are the abilities to carry out the tasks and duties of a job. Skills consist of two dimensions: skill level and domain specialisation. The skill level is related to the level of educational attainment.

The questions needed for the classification by occupation are the job title associated with the main job and a further description of the tasks and duties.

For a few occupations, information on size group of workplace (the local unit of activity) is needed to code ISCO 88(COM).

This should be coded according to the ISCO-88 (COM) classification provided in annex, which is based upon ISCO-88, International Standard Classification of Occupations, published by the International Labour Force (Geneva, 1990).

PL060: Number of hours usually worked per week in main job

LABOUR INFORMATION (Basic information on activity status during income reference period)

Cross-sectional and longitudinal

Reference period: current

Unit: all current household members aged 16 and over

Mode of collection: personal interview, proxy or registers

Values

1 - 99 number of hours

Flags

1 filled

-1 missing

-2 na (PL030 not = 1 or 2 and PL035 not = 1)

-6 Hours varying (even an average over 4 weeks is not possible)

If multiple jobs are held, the main job should be the one with the greatest number of hours usually worked. Persons having changed job during the reference week should regard the job at the end of the reference week as their main job.

The number of hours corresponds to the number of hours the person normally works in his/her main job. This covers all hours including extra hours, either paid or unpaid, which the person normally works, but excludes the travel time between the home and the place of work as well as the main meal breaks (normally taken at midday).

Persons who usually also work at home (within the definitions given below) are asked to include the number of hours they usually work at home. Apprentices, trainees and other persons in vocational training are asked to exclude the time spent in school or other special training centres.

Some persons, particularly the self-employed and family workers, may not have usual hours, in the sense that their hours vary considerably from week to week or month to month. When the respondent is unable to provide a figure for usual hours for this reason, the average of the hours actually worked per week over the past four weeks is used as a measure of usual hours. Code '-6' is applied to those cases where neither the number of usual hours nor an average number of hours worked over the past four weeks can be established.

For self-employed people, in particular, normal hours may also include work done at home, such as planning, record-keeping and so on.

Apprentices, trainees and other persons in vocational training should exclude the time spent in school or other special training centres.

Persons who usually also work at home

This concept applies to many self-employed people, for example in artistic or professional activities, who work wholly or partly at home, often in a part of their living accommodation set aside for the purpose. However, if the place of work comprises a separate unit (for example, a doctor's surgery or tax consultant's practice) which is adjacent to the person's home but contains a separate entrance, then work performed there should not be considered to be done "at home". Similarly, a farmer is not to be regarded as working "at home" when he is occupied in fields or buildings adjacent to his house. In the case of employees, "working at home" should be interpreted strictly in terms of formal working arrangements, where it is

mutually understood by the employee and the employer that a certain part of the work is to be done at home. Such an arrangement may be explicitly included in the terms of employment, or may be recognised in other ways (for example, if the employee explicitly notifies the employer of this work by completing a timesheet, or by requesting additional payment or other form of compensation). This arrangement is also recognised if an employee is equipped with a computer in his home in order to perform his work. Other typical examples of "working at home" include travelling salesmen who prepare at home for appointments with clients which are then held at the clients' offices or homes, or persons who do typing or knitting work which on completion is sent to a central location.

"Working at home" does not cover cases where employees carry out tasks at home (because of personal interest or pressure of time), which under their working arrangements might equally have been performed at their place of work.

PL070: Number of months spent at full-time work
PL072: Number of months spent at part-time work
PL080: Number of months spent in unemployment
PL085: Number of months spent in retirement
PL087: Number of months spent studying
PL090: Number of months spent in inactivity

[**PL070: Number of months spent at full-time work in income reference period**
PL072: Number of months spent at part-time work in income reference period
PL080: Number of months spent in unemployment in income reference period
PL085: Number of months spent in retirement in income reference period
PL087: Number of months spent studying in income reference period
PL090: Number of months spent in inactivity in income reference period]
LABOUR INFORMATION (Basic information on activity status during income reference period)
Cross-sectional
Reference period: income reference period
Unit: all current household members aged 16 and over
Mode of collection: personal interview, proxy or registers

Values	
0 - 12	number of months
Flags	
1	filled
-1	missing

The main activity in a month was "work" if the respondent worked (or was in paid apprenticeship or training) the majority of the weeks of the month.

If the main activity was not "part-time or full-time work" (i.e. the respondent did not work), the status is self-defined.

A person had a job, but was temporarily absent because of maternity leave, injury or temporary disability, slack work for technical or economical reasons, ... is considered as 'working'.

If more than one type of activities occur in the same month, priority should be given to economic activity ("main activity: work") over non-economic activity and over inactivity. On the basis of this principle, the following rules may be used:

- If the respondent worked, at least during 2 weeks of the month, then variables PL070 or PL072 should be filled in.
- If more than one of the other situations apply in the same month, the respondent will select one on the basis of self-assessment. The criterion of most time spent may be useful where applicable.

Retired

Persons who left his/her job for age or other reasons.

Full-time/part-time

The distinction between full-time and part-time work should be made on the basis of a spontaneous answer given by the respondent. It is impossible to establish a more exact distinction between part-time and full-time work, due to variations in working hours between Member States and also between branches of industry. By checking the answer with the number of hours usually worked, it should be possible to detect and even to correct implausible answers, since part-time work will hardly ever exceed 35 hours, while full-time work will usually start at about 30 hours.

Values

In principle, according to the regulation, these variables take values between 1 and 12. But, that cause problems if the number of months spent at full-time work are f.e.12. In this case, variables PL072....PL090 should take value 0.

PL100: Total number of hours usually worked in second, third... jobs

<i>LABOUR INFORMATION (Total number of hours worked on current second/third ... jobs)</i> <i>Cross-sectional</i> <i>Reference period: current</i> <i>Unit: all current household members aged 16 and over</i> <i>Mode of collection: personal interview, proxy or registers</i>

Values

1 - 99	number of hours
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Flags

1	filled
-1	missing
-2	na (person does not have a second job or PL030 not = 1 or 2)

The number of hours usually worked in second, third...jobs should be recorded.
See PL060

PL110: NACE (REV 1.1)

LABOUR INFORMATION (Detailed labour information)

Cross-sectional

Reference period: current

Unit: Selected respondent (where applies) or all current household members aged 16 and over

Mode of collection: Personal interview (proxy as an exception) or registers

Values

(See below)

Flags

1	filled
-1	missing
-2	na (PL030 not = 1 or 2 and PL035 not = 1)
-3	not selected respondent

The different NACE (REV 1.1) codes have been recoded like the following:

1 to 5	= "a+b"
10 to 41	= "c+d+e"
45	= "f"
50 to 52	= "g"
55	= "h"
60 to 64	= "i"
65 to 67	= "j"
70 to 74	= "k"
75	= "l"
80	= "m"
85	= "n"
90 to 99	= "o+p+q"
0	= "undef"

The economic activity of the local unit of the main job for respondents who are currently at work.

This variable refers to the main job. If multiple jobs are held, the main job should be the one with the greatest number of hours usually worked.

This should be coded according to the NACE (REV 1.1) classification provided in annex, which is based upon ' the Statistical Classification of Economic Activities (NACE (REV 1.1)). The NACE (REV 1.1), is the standard classification used at national and EU level for both economic and social statistics. Economic activities are characterised by the input of goods or services, a production process and the output of products.

Two types of questions can be used to obtain the data on the economic activity. The first type of question consists of the name and the address of the firm where a person is working. The second type of question asks the respondent to describe the economic activity and the kind of products or services supplied by the firm where (s)he works.

The first type of question, the name and address of the firm allows the linking of the survey responses with a database of all firms in a country, the statistical Business Register.

Local Unit

The "local unit" to be considered is the geographical location where the job is mainly carried out or, in the case of itinerant occupations, can be said to be based; normally it consists of a single building, part of a building, or, at the largest, a self-contained group of buildings. The "local unit" is therefore the group of employees of the enterprise who are geographically located at the same site.

PL120: Reason for working less than 30 hours

[Reason for working less than 30 hours (in main and other jobs)]

LABOUR INFORMATION (Detailed labour information)

Cross-sectional

Reference period: current

Unit: Selected respondent (where applies) or all current household members aged 16 and over

Mode of collection: Personal interview (proxy as an exception) or registers

Values

1	Undergoing education or training
2	Personal illness or disability
3	Want to work more hours but cannot find a job(s) or work(s) of more hours
4	Do not want to work more hours
5	Number of hours in all job(s) are considered as a full-time job
6	Housework, looking after children or other persons
7	Other reasons

Flags

1	filled
-1	missing
-2	na (PL030 not = 1 or 2 or PL060 + PL100 not < 30)
-3	not selected respondent

This variable is intended to capture the concept of underemployment (working fewer hours than the person would prefer because they cannot find a job working more hours; see for example Working Group on Employment Statistics, 2001b). The target variable in EU-SILC will not capture a fully-harmonised definition of underemployment, however: to do so would require a larger number of items than the space constraints would permit. The cut-off filter for the EU-SILC item is set relatively high (at 30 hours for all of the jobs) so as to capture as many as possible of those who would wish to work a greater number of hours.

Note. In the case of teachers should be considered as worked the hours of teaching, those dedicated to preparation of classes, study, research as well as the ones of compulsory permanence in the centre of studies.

Variable PL120 refers to the main reason for working less than 30 hours. In this way, only one response must be ticked. In cases where more than one reasons apply and it is not clear which is the main reason, the list should be treated in order of priority, with code 1 having the highest priority and code 7 as the last priority.

PL130: Number of persons working at the local unit

LABOUR INFORMATION (Detailed labour information)

Cross-sectional

Reference period: current

Unit: Selected respondent (where applies) or all current household members aged 16 and over

Mode of collection: Personal interview (proxy as an exception) or registers

Values

1 - 10	exact number (if between 1 and 10)
11	between 11 and 19 persons
12	between 20 and 49 persons
13	50 persons and more
14	do not know but less than 11 persons
15	do not know but more than 10 persons

Flags

1	filled
-1	missing
-2	na (PL030 not = 1 and not = 2 and PL035 not = 1)
-3	not selected respondent

This variable refers to the main job. If multiple jobs are held or were held, the main job should be the one with the greatest number of hours usually worked.

Person himself should be included in number, as the employer

For definition of local unit see PL110

PL140: Type of contract

LABOUR INFORMATION (Detailed labour information)

Cross-sectional and longitudinal

Reference period: current/last situation

Unit: Selected respondent (where applies) or all current household members aged 16 and over

Mode of collection: Personal interview (proxy as an exception) or registers

Values

1	permanent job/work contract of unlimited duration
2	temporary job/work contract of limited duration

Flags

1	filled
-1	missing
-2	na (PL040 not = 3)
-3	not selected respondent

This variable refers to the main job. If multiple jobs are held or were held, the main job should be the one with the greatest number of hours usually worked.

This question is addressed only to employees. In the majority of Member States most jobs are based on written work contracts. However in some countries such contracts exist only for specific cases (for example in the public sector, for apprentices, or for other persons undergoing some formal training within an enterprise). Taking account of these different institutional arrangements the notions "temporary job" and "work contract of limited duration" (likewise "permanent job" and "work contract of unlimited duration") describe situations which under different institutional frameworks can be regarded as similar. A job may be regarded as temporary if it is understood by both employer and the employee that the termination of the job is determined by objective conditions such as reaching a certain date, completion of an assignment or return of another employee who has been temporarily replaced. In the case of a work contract of limited duration the condition for its termination is generally mentioned in the contract.

To be included in these groups are:

- persons with a seasonal job
- persons engaged by an employment agency or business and hired out to a third party for the carrying out of a "work mission" (unless there is a work contract of unlimited duration with the employment agency or business)
- persons with specific training contracts. If there exists no objective criterion for the termination of a job or work contract these should be regarded as permanent or of unlimited duration.

What is involved is the actual employment being time-limited under an agreement - not that he/she has, for example, considered stopping work in order to travel or attend college. Students with jobs which they only reckon to have for as long as they are studying are thus not in a time-limited job.

Respondents who have a contract to do their job, which may be renewed, for example, once a year, should be coded according to whether or not the respondents themselves consider their job to be of an unlimited duration.

Contract for a probationary period when the contract finishes automatically at the end of the probationary period, necessitating a new contract if the person continues to be employed by the same employer, is considered as 'temporary job'.

PL150: Managerial position

LABOUR INFORMATION (Detailed labour information)

Cross-sectional

Reference period: current/last situation

Unit: Selected respondent (where applies) or all current household members aged 16 and over

Mode of collection: Personal interview (proxy as an exception) or registers

Values

1	supervisory
2	non-supervisory

Flags

1	filled
-1	missing
-2	na (PL040 not = 3)
-3	not selected respondent

Supervisory

Supervisory responsibility includes formal responsibility for supervising a group of other employees (other than apprentices), whom they supervise directly, some times doing some of the work they supervise. It implies that the supervisor or foreman takes charge of the work, directs the work and sees that it is properly done.

PL160: Change of job since last year

LABOUR INFORMATION (Detailed labour information)

Longitudinal (see note below)

Reference period: since last year

Unit: Selected respondent (where applies) or all current household members aged 16 and over

Mode of collection: Personal interview (proxy as an exception) or registers

Values

1	yes
2	no

Flags

1	filled
-1	missing
-2	na (PL030 not = 1 or 2)
-3	not selected respondent

Whether the individual left a job or changed from one job to another since the last interview (or last 12 months for the first year of data collection)

For employees, a change of job means a change of employer, not moving from one set of duties to another with the same employer. Nevertheless, a change of contract with the same employer is considered as a change of job.

For the self-employed, a change of job means a change in the nature of the activity performed (or moving between employee and self-employed status). Completing one contract and beginning another does not constitute a change of job for the self-employed.

Note

For those MS using a ‘rotational panel’ as well as those MS using a ‘pure panel’ the variable PL160 will also be provided for EU-SILC cross-sectional component..

PL170: Reason for change

LABOUR INFORMATION (Detailed labour information)

Longitudinal(see note below)

Reference period: since last year

Unit: Selected respondent (where applies) or all current household members aged 16 and over

Mode of collection: Personal interview (proxy as an exception) or registers

Values

1	To take up or seek better job
2	End of temporary contract
3	Obliged to stop by employer (business closure, redundancy, early retirement, dismissal etc.)
4	Sale or closure of own/family business
5	Child care and care for other dependent
6	Partner's job required us to move to another area or marriage
7	Other reasons

Flags

1	filled
-1	missing
-2	na (PL160 not = 1)
-3	not selected respondent

The main reason the person left a job since last year.

End of temporary contract

This code is used for employees who declare that their last job was temporary and came to an end, or that they had a formal work contract which was completed. This also applies to seasonal and casual jobs.

Obliged to stop by employer

It covers a number of situations, such as dismissed or made redundant, closures of the employer's business, or early retirement due to economic factors (labour market problems, difficulties in specific sectors of the economy, etc.). Termination for other reasons - such as due to end of contract (and refusal by employer to renew it), retirement at normal age, or retirement 'by own choice' i.e. not as a result of economic factors such as market problems, or due to closure of own business in the case of the self-employed - are included in other response categories.

Other reasons

This code is used where none of the codes 1-6 applies, including cases where the person has resigned from his job for reasons (such as personal dissatisfaction, retired from his/her job at the normal retirement age, respondent left his/her job because of personal health) not covered by any of the other codes.

Note

For those MS using a 'rotational panel' as well as those MS using a 'pure panel' the variable PL170 will also be provided for EU-SILC cross-sectional component.

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

LABOUR INFORMATION (Detailed labour information)

Longitudinal(see note below)

Reference period: since last interview

Unit: Selected respondent (where applies) or all current household members aged 16 and over

Mode of collection: Personal interview (proxy as an exception) or registers

Values

1	employed - unemployed
2	employed - retired
3	employed - other inactive
4	unemployed - employed
5	unemployed - retired
6	unemployed - other inactive
7	retired - employed
8	retired - unemployed
9	retired - other inactive
10	other inactive - employed
11	other inactive - unemployed
12	other inactive - retired

Flags

1	filled
- 1	missing
- 2	not applicable (no change since last year)
- 3	not selected respondent

Whether it was a change in the individual activity status the last interview (or last 12 months for the first year of data collection).

If more than one change in the individual activity status the most recent change should be recorded.

If the activity status is not 'employed', the status is self-defined.

Note

For those MS using a 'rotational panel' as well as those MS using a 'pure panel' the variable PL180 will also be provided for EU-SILC cross-sectional component.

PL190: When began first regular job

LABOUR INFORMATION (Activity history)

Longitudinal(see note below)

Reference period: working life

Unit: Selected respondent (where applies) or all current household members aged 16 and over

Mode of collection: Personal interview (proxy as an exception) or registers

Values

8 - 65 age

Flags

1	filled
-1	missing
-2	na (person never worked)
-3	not selected respondent

Overview

Dynamic analysis of the employment situation requires measures extending over time. This requires measures that are more stable and more directly enumerated than the conventional labour force survey measures defined with reference to a short reference period, such as one week (Verma, 1999 and 1999a). EU-SILC follows the concept of self-declared or main activity status.

A selected subset of items is to be included in EU-SILC which would allow to obtain an overview of the person's total (lifetime) work experience and of their recent unemployment experience.

The activity history items are confined to the longitudinal component of EU-SILC. Some of the items of information will need to be collected only once of each person in the longitudinal component: such as the item on when the person started their first regular job, and the number of years since that time spent at work.

Age Started First Regular Job

It is designed to permit the calculation of the total potential time the person could have spent in the labour force. It is the age at which the person began their first regular job.

Vacation jobs taken by students, from which they return to studies or to other non-work situations are disregarded, as in other casual job undertaken from time to time.

Part-time jobs the person may have engaged in while still in school or university are not included.

Normally, the job considered should be the first one involving 15 hours or more per week which lasted for at least 6 months, unless it was terminated by a period of unemployment or by another job.

If the person starts working in a formal regular work, during his/her studies, this work should be considered as the first regular job.

Note

For those MS using a 'rotational panel' as well as those MS using a 'pure panel' the variable PL190 will also be provided for EU-SILC cross-sectional component.

PL200: Number of years spent in paid work

[Number of years spent in paid work (as employee or self-employee)]

LABOUR INFORMATION (Activity history)

Longitudinal (see note below)

Reference period: working life

Unit: Selected respondent (where applies) or all current household members aged 16 and over

Mode of collection: Personal interview (proxy as an exception) or registers

Values

0 - 65 number of years

Flags

1	filled
-1	missing
-2	na (person never worked)
-3	not selected respondent

This indicator provides a summary measure of the labour force experience of the individual. The number of years, since starting the first regular job, that the person has spent at work, whether as an employee or self-employed.

When a person had a job, but was temporarily absent because of maternity leave, injury or temporary disability, slack work for technical or economical reasons, ... the related period is to be taken into account.

'At work' is self-defined. In cases where there is doubt, such as when the person spent a number of years working on a part-time basis, the person's own perception of whether their main activity was 'at work' or something else should be taken.

See PL190

Note

For those MS using a 'rotational panel' as well as those MS using a 'pure panel' the variable PL200 will also be provided for EU-SILC cross-sectional component.

PL210A: Main activity on January
PL210B: Main activity on February
PL210C: Main activity on March
PL210D: Main activity on April
PL210E: Main activity on May
PL210F: Main activity on June
PL210G: Main activity on July
PL210H: Main activity on August
PL210I: Main activity on September
PL210J: Main activity on October
PL210K: Main activity on November
PL210L: Main activity on December

LABOUR INFORMATION (Calendar of activities)

Longitudinal (see note below)

Reference period: income reference period

Unit: Selected respondent (where applies) or all current household members aged 16 and over

Mode of collection: Personal interview (proxy as an exception) or registers

Values

1	Employee (full-time)
2	Employee (part-time)
3	Self-employed (full-time)
4	Self-employed (part-time)
5	Unemployed
6	Retired
7	Student
8	Other inactive
9	Compulsory military service

Flags

1	filled
-1	missing
-3	not selected respondent

The main activity in a month was "job or business" (codes 1 to 4) if the respondent worked (or was in paid apprenticeship or training) the majority of the weeks.

If the main activity was not "job or business" (i.e. the respondent did not work), the status is self-defined.

A person had a job, but was temporarily absent because of maternity leave, injury or temporary disability, slack work for technical or economical reasons, ... is considered as 'working'.

If more than one type of activities occur in the same month, priority should be given to economic activity (“main activity: job or business”) over non-economic activity and over inactivity. On the basis of this principle, the following rules may be used:

If the respondent worked, at least during 2 weeks of the month, (with main activity = ‘other than work’ in the remainder of the month), then code 1, 2, 3 or 4 should be ticked for the month.

If more than one of the other codes apply in the same month, the respondent will select one on the basis of self-assessment. The criterion of most time spent may be useful where applicable.

Employee

Employees are defined as persons who work for a public or private employer and who receive compensation in the form of wages, salaries, fees, gratuities, payment by results or payment in kind; non-conscripted members of the armed forces are also included.

Self-employed

Self-employed persons with employees are defined as persons who work in their own business, professional practice or farm for the purpose of earning a profit.

Retired

Persons who left his/her job for age or other reasons.

Full-time/part-time

The distinction between full-time and part-time work should be made on the basis of a spontaneous answer given by the respondent. It is impossible to establish a more exact distinction between part-time and full-time work, due to variations in working hours between Member States and also between branches of industry. By checking the answer with the number of hours usually worked, it should be possible to detect and even to correct implausible answers, since part-time work will hardly ever exceed 35 hours, while full-time work will usually start at about 30 hours.

Note

For those MS using a ‘rotational panel’ as well as those MS using a ‘pure panel’ the variables PL210A-PL210L will also be provided for EU-SILC cross-sectional component.

See PL040

PY010G/PY010N: Employee cash or near cash income

INCOME (Gross personal income, total and components at personal level)

Cross-sectional and longitudinal

Reference period: income reference period

Unit: All current household members aged 16 and over

Mode of collection: personal interview (proxy as an exception for persons temporarily away or in incapacity) or registers

Values

1 - 999999.99	income (in euros)
0	no income

Flags PY...G

<i>Net/gross at data collection</i>	
0	no income
1	net of tax on income at source and social contributions
2	net of tax on income at source
3	net of tax on social contributions
4	gross
5	unknown
-1	missing (As missing values are imputed this code is only acceptable if not imputation is possible)
-5	not filled: variable of net series is filled

Flags PY...N

<i>Net/gross at data collection</i>	
0	no income
1+nc	net of tax on income at source and social contributions
2+nc	net of tax on income at source
3+nc	net of tax on social contributions
4+nc	gross
5+5	unknown
<i>To values 1,2,3,4,5 must be concatenated a second flag:</i>	
<i>Net recorded (nc)</i>	
{1,2,3,4} +1	net of tax on income at source and social contributions
{1,2,3,4} +2	net of tax on income at source
{1,2,3,4} +3	net of tax on social contributions
5 +5	unknown
-1	missing (As missing values are imputed this code is only acceptable if not imputation is possible)
-5	not filled: variable of gross series is filled

Imputation factor

000.00000 to 9999.99999 = collected value / recorded value

Note: for SI: aggregation into small classes

NOTE: only for France: Company car and associated costs are included in this variable (HY010N)

Gross means that neither taxes nor social contributions have been deducted at source. If the gross value is a conversion from the net, the corresponding net variables should be filled also. If both - net and gross – values are collected, both should be recorded.

Employee income

Employee income is defined as the total remuneration, in cash or in kind, payable by an employer to an employee in return for work done by the latter during the income reference period.

The employee income is broken down into:

- (1) Gross employee cash or near cash income (PY010G)
- (2) Gross non-cash employee income (PY020G)
- (3) Employers' social insurance contributions (PY030G)

Gross employee cash or near cash income (PY010G)

It refers to the monetary component of the compensation of employees in cash payable by an employer to an employee. It includes the value of any social contributions and income taxes payable by an employee or by the employer on behalf of the employee to social insurance schemes or tax authorities.

Gross employee cash or near cash income includes the followings items:

- Wages and salaries paid in cash for time worked or work done in main and any secondary or casual job(s);
- Remuneration for time not worked (e.g. holiday payments);
- Enhanced rates of pay for overtime;
- Fees paid to directors of incorporated enterprises
- Piece rate payments
- Payments for fostering children
- Commissions, tips and gratuities
- Supplementary payments (e.g. thirteenth month payment)
- Profit sharing and bonuses paid in cash
- Additional payments based on productivity
- Allowances paid for working in remote locations (regarded as part of the conditions of the job)
- Allowances for transport to or from work
- Additional payments made by employers to their employees or former employees and other eligible persons to supplement the sick, disability, maternity leave or survivor's pay entitlement from social insurance schemes, where such payments can not be separately and clearly identified as social benefits.
- Payments made by employers to an employee in lieu of wages and salaries through a social insurance scheme when unable to work through sickness, disability or maternity leave where such payment can not be separately and clearly identified as social benefits.

It excludes:

- Reimbursements made by an employer for work-related expenses (e.g. business travel)

- Severance and termination pay to compensate employees for employment ending before the employee has reached the normal retirement age for that job and redundancy payments (they are included under 'unemployment benefits' (PY090G))
- Allowances for purely work-related expenses such as those for travel and subsistence or for protective clothes
- Lump sum payments at the normal retirement date (included under 'old age benefits' (PY100G))
- Union strike pay.

Note

Family allowance for marriage should be included in PY010.

The employers social insurance contributions are excluded

Payments for fostering children: It refers to the amount of money that the government or NPISHs give to families for taking care of children. These children live in a family instead of living in an institution. The family is not the real family. The children do not have the legal status of 'children of the family'.

Net employee cash or near cash income (PY010N)

The net income component correspond to the gross income components but the tax at source, the social insurance contributions or both are deducted.

PY020G/PY020N: Non-Cash employee income

INCOME (Gross personal income, total and components at personal level)

Cross-sectional and longitudinal

Reference period: income reference period

Unit: All current household members aged 16 and over

Mode of collection: personal interview (proxy as an exception for persons temporarily away or in incapacity) or registers

Values

1 - 999999.99 income (in euros)

0 no income

Flags and imputation factor

see PY010G/PY010N

additional flag value allowed:

-4 amount included in another component

Till 2006, the variable collects only company car contribution. In 2007 only, in order to monitor time break in the series, it is proposed to create a separate variable collecting the company car contribution only: PY021G/PY021N.

In case of Longitudinal database, PY021G/PY021N contains for all years only company car and PY020G/PY020N is missing up to 2006 with flag -2 and in 2007 it contains non cash employee income except company car.

Only for France: Till 2006 Company car and associated costs are NOT included in this variable but in PY010N instead.

Gross non-cash employee income (PY020G)

It refers to the non-monetary income components which may be provided free or at reduced price to an employee as part of the employment package by an employer¹.

Gross non-cash employee income includes:

- Company car and associated costs (e.g. free fuel, car insurance, taxes and duties as applicable) provided for either private use or both private and work use;
- Free or subsidised meals, luncheon vouchers;
- Reimbursement or payment of housing-related expenses (e.g. Gas, electricity, water, telephone or mobile telephone bills);
- Other goods and services provided free or at reduced price by the employer to their employees, when they are a significant component of the income at national level or they constitute a significant component of the income of particular groups of households.
- The value of goods and services provided free shall be calculated according to the market value of these goods and services. The value of the goods and services provided

¹ If any goods or services are both provided for private and work use, then private use as a proportion of total use has to be estimated and applied to the total value

at reduced price shall be calculated as the difference between the market value and the amount paid by the employee.

It excludes:

- The cost of providing any of these goods and services by the employer if they are only required for the employees to carry out their work;
- Accommodation services at a place of work which cannot be used by the households to which the employees belong;
- Accommodation provided free or at reduced rent by the employer to the employees as the main residence of the household (the imputed value of the accommodation provided free or at reduced rent is included under 'Imputed rent' (HY030G)).
- Accommodation provided free or at reduced rent to an employee as the secondary residence of the household.
- Allowances paid to employees for the purchase of tools, equipment, clothes etc. needed exclusively or primarily for their work;
- Special meals or drinks necessitated by exceptional working conditions;
- Any goods or services provided to employees at the place of work or required because of the nature of their work (e.g. a medical examination required for work).

Net non-cash employee income (PY020N)

The net income component correspond to the gross income components but the tax at source, the social insurance contributions or both are deducted.

PY021G/PY021N: Company car

INCOME (Gross personal income, total and components at personal level)

Cross-sectional and longitudinal

Reference period: income reference period

Unit: All current household members aged 16 and over

Mode of collection: personal interview (proxy as an exception for persons temporarily away or in incapacity) or registers

Values

1 - 999999.99 income (in euros)

0 no income

Flags and imputation factor

see PY010G/PY010N

additional flag value allowed:

-4 amount included in another component

This additional variable will only be collected in 2007 in order to monitor time break in the series.

For explanation, see annex 6.

PY030G: Employer's social insurance contribution

PY031G: Optional employer's social insurance contributions

INCOME (Gross income components at household level)

Cross-sectional and longitudinal

Reference period: income reference period

Unit: all current household members aged 16 and over

Mode of collection: household respondent or register

Values

1 - 999999.99	amount (in euros)
0	no contribution

Flags

0	no income
1	income (variable is filled)
-1	missing
-5	not filled: variable of net series is filled

The employers' social insurance contributions will be only recorded from 2007

Employers' social insurance contributions (PY030G)

Employers' contributions are defined as payments made, during the income reference period, by employers for the benefits of their employees to insurers (social security funds and private funded schemes) covering statutory, conventional or contractual contributions in respect of insurance against social risks.

- Employers' contributions to private retirement (pension) plans
- Employers' contributions to private health insurance
- Employers' contributions to life insurance
- Employers' contributions to other employer insurance schemes (e.g. disability)
- Employers' contributions to government insurance (social security) schemes (including payroll taxes levied for social insurance purposes).

It is needed to distinguish between two types of employers' social insurance contribution:

- Legal/mandatory contributions covering traditionally legal old age pension scheme, legal health insurance, unemployment ... These contributions are common to most employed persons and can be deduced from wages received according to published rules,
- Optional contributions made by employers on the basis of contractual or specific sectoral arrangements. These are more heterogeneous, limited to some employees and depending on the sector and the size of businesses. Typical examples are contributions to private pension plans, additional health insurance and term life insurance. This type of contribution seems to

remain limited in importance in most countries, sometimes inexistent, but are likely to grow rapidly in the future with the reform of social protection systems.

From 2007 onwards, "Employers' social insurance contributions" (PY030G) is included in the list of primary target variables of the EU-SILC instrument. In the limit it represents at least 90% of the total amount of social contributions of employers (compulsory + optional), variable PY030G could collect only the compulsory (legal) contributions of the employers.

In case a country is due to collect optional (non compulsory) contribution, variable PY030G will gather the total contributions (mandatory + optional) and a new variable PY031G will collect the optional part so that flexibility is allowed when carrying out comparative analysis on the datasets.

The documentation of coverage of the components collected should be integrant part of the final quality reports where the relative part of optional contribution should be monitored. External sources for this purpose are likely to be national accounts and/or labour cost surveys.

The need and the feasibility to impute fictitious employer's social contribution for categories of persons for which no real contribution is paid (civil servant, unemployed ...) has to be assessed.

PY035G/PY035N: Contributions to individual private pension plans

<p><i>INCOME (Gross income components at household level)</i> <i>Cross-sectional and longitudinal</i> <i>Reference period: income reference period</i> <i>Unit: household</i> <i>Mode of collection: household respondent or register</i></p>

Values

1 - 999999.99	amount (in euros)
0	no contribution

Flags

0	no contribution
1	variable is filled
-1	missing (As missing values are imputed this code is only acceptable if not imputation is possible)
-5	Not filled: variable of the net/gross series is filled

Imputation factor

000.00000 to 9999.99999 = collected value / recorded value
--

Other items not considered as part of income:

Under other items not considered as part of income are classified:

- Contributions to individual pension plans (PY035G)/ (PY035N)
- Pensions from individual private plans (other than those covered under ESSPROS) (PY080G)/(PY080N)

Contributions to individual private pension plans (PY035G)

Contributions made, during the income reference period, to individual private pension plans refers to the pensions policies taken out by individual households on their own initiative and for their own benefit, independently of their employers or government and outside any social insurance scheme.

These contributions represent the counterpart to regular pensions from individual private plans (other than those covered under ESSPROS) (PY080G).

It includes: contributions to individual pensions plans related to old age , survivors, sickness, disability and unemployment.

Comments

Contributions to private pensions plans refers to the pension policies taken out by individual households on their own initiative and from their own benefit, independently of their employers or government and outside any social insurance scheme (i.e. it excludes contributions from mandatory government schemes or from mandatory employers-based schemes).

The schemes that need to be taken into account in variable PY035 are 'other insurance' (with the exception of life insurance schemes).

Other insurance provides individual institutional units exposed to certain risks with financial protection against the consequences of the occurrence of specified events. It is also a form of financial intermediation in which funds are collected from policy holders and invested in financial and other assets which are held as technical reserves to meet future claims arising from the occurrence of the events specified in the insurance policies.

Other insurance policies held by households may cover the same risks or needs as those covered by social insurance schemes. However, other insurance policies held by households are distinguished from social insurance policies by the fact that they are taken out on the individual households' own initiative and on their own benefit, independently of their employers or government.

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

INCOME (Gross personal income, total and components at personal level)

Cross-sectional and longitudinal

Reference period: income reference period

Unit: All current household members aged 16 and over

Mode of collection: personal interview (proxy as an exception for persons temporarily away or in incapacity) or registers

Values

1 - 999999.99	benefits
-999999.99 - -1	losses
0	no income

Flags and imputation factors

see PY010G/PY010N

Note: for SI: aggregation into small classes

Self-employment income

Self-employment income is defined as the income received, **during the income reference period**, by individuals, for themselves or in respect of their family members, as a result of their current or former involvement in self-employment jobs. Self-employment jobs are those jobs where the remuneration is directly dependent upon the profits (or the potential for profits) derived from the goods and services produced (where own consumption is considered to be part of profits). The self-employed make the operational decisions affecting the enterprise, or delegate such decisions while retaining responsibility for the welfare of the enterprise. (In this context "enterprise" includes one-person operations). The remuneration of hobbies shall be regarded as self-employment.

If the income collected or compiled correspond to a time period earlier than the reference period, basic adjustments shall be applied to update the data to the income reference period.

The self-employment income is broken down into:

- Gross cash benefits or losses from self-employment (including royalties) (PY050G)
- Value of goods produced for own consumption (PY070G)

Gross cash benefits or losses from self-employment (including royalties) (PY050G)

It includes:

- Net operating profit or loss accruing to working owners of, or partners in, an unincorporated enterprise, less interest on business loans;
- Royalties earned on writing, inventions, and so on not included in the profit/loss of unincorporated enterprises;

- Rentals from business buildings, vehicles, equipment, etc not included in the profit/loss of unincorporated enterprises, after deduction of related costs such as interest on associated loans, repairs and maintenance and insurance charges.

It excludes:

- Directors fees earned by owners of incorporated enterprises (which are included under ‘Gross employee cash or near cash income’ (PY010G));
- Dividends paid by incorporated enterprises (which are included under ‘Interest, dividends, profits from capital investment in an unincorporated business’ (HY090G));
- Profits from capital invested in an unincorporated enterprise in which the person does not work (‘sleeping partners’) (it is included under ‘Interest, dividends, profits from capital investment in an unincorporated business’ (HY090G));
- Rent from land and receipts from boarders or lodgers (which are included under ‘Income from rental of a property or land’ (HY040G)).
- Rentals from dwellings not included in the profit/loss of unincorporated enterprises (which are included under ‘Income from rental of a property or land’ (HY040G)).

Income from self-employment shall be calculated as:

- Market output (gross revenue to turnover, including the value of goods produced by the enterprise but consumed by the self-employed person or his/her household)
- Plus market value of goods and services bought for the unincorporated enterprise but consumed by the entrepreneur and his/her household members
- Plus property income received in connection with financial and other assets belonging to the enterprise
- Minus intermediate consumption (raw material costs, costs of sales, distribution costs, maintenance costs, administrative expenses etc.)
- Minus compensation of employees (wages, salaries and social security contributions for employees)
- Minus taxes on production and import taxes
- Minus interest paid on business loans
- Minus rents paid on land and other non-produced tangible assets rented by the enterprise
- Minus consumption of fixed capital

- Plus subsidies

In practice if the self-employed person or business prepares annual accounts for tax purposes, the gross income benefits/losses shall be calculated as net operating benefits/losses shown on this tax account for the most recent 12 month period, before deduction of taxes on income and compulsory social insurance contributions.

In the absence of annual accounts, either for tax purposes or as a business account, the alternative approach to measure self-employment income shall be to collect the amount of money (and goods) drawn out of the business for personal use (for consumption or saving, including the market value of goods produced or purchased by the business but taken for personal use).

Net cash benefits or losses from self-employment (including royalties) (PY050N)

The net income component correspond to the gross income components but the tax at source, the social insurance contributions or both (if applicable) are deducted.

Comments

Royalties

Royalties are regarded as income from self-employment because they are a return to the royalty-holder for effort expended.

Difficulties on detect self-employed: Who are the self-employed?

The guidelines Interpretation for the EU-SILC, based on ILO recommendations¹, provided an overview of the central distinction between self-employment and employee status. The difference is determined by :

- the nature of the economic risk undertaken by the person concerned,
- the mode of remuneration,
- the type of authority enjoyed, and the authority to which he or she is subject .

There is also a discussion of some of the more complex types of cases. For instance, employees responsible for paying their own social insurance and tax contributions, but who are employees in other respects, should be considered employees. Outworkers should be considered as employees if (a) there exists an explicit or implicit contract or agreement of employment and (b) the remuneration depends basically on the time worked or the amount produced. However, an outworker should be considered self-employed if (a) there is no such contract or agreement and the decision as to the markets, scale of operation and finance is in the hands of the outworker or (b) the person's remuneration is a function of receipts or profits from the sale of his/her products or services.

¹ R. Hussmanns and F. Mehran and V. Verma: *Surveys of Economically Active Population, Employment, Unemployment and Underemployment: An ILO Manual on Concepts and Methods*. Geneva: International Labour Office, 1990.

Summary of Distinction between Employee and Self-Employed Status

	Employee	Self-employed
Economic Risk	No (or very little) capital investment	Has capital investment (not a necessary condition, e.g.. Professional practice)
Mode of remuneration	Wage or salary based on hours worked or amount produced	Profit, amount depending on sales of produce or service
Type of authority 1 (autonomy)	Existence of implicit or explicit contract/agreement of employment	No such contract or agreement
Type of authority 2 (control)	No (or very little) say in decisions on markets, scale of operation and finance	Final decision on markets, scale of operation and finance

Among the self-employed, those with paid employees are defined as ‘employers’, while those without paid employees are defined as ‘own-account workers’. Often a distinction is made between ‘own-account workers’ and ‘unpaid family workers’. However, in an enterprise in which members of a household are engaged jointly, this distinction can be culturally (especially gender) biased, and in any case arbitrary. Furthermore, the income may not be strictly ‘individual’, as for example in the case of a household enterprise in which several members of the household are engaged jointly. For the purpose of EU-SILC, both these groups are to be considered as ‘self-employed’, i.e. as sharing self-employment income from the enterprise.

On the other hand, there are growing numbers of self-employed who do not consider themselves to be “running a business” and for whom therefore concepts such as gross revenue or even annual profit or loss have very little meaning. For this reason, some experimentation has been carried out, for example in the UK, to distinguish different groups of self-employed people and to try to tailor questions more closely to their circumstances (see Martin et al, 1996). For some people such as casual workers and sub-contractors, their remuneration is more akin to employment income than to gross revenue – they have very few if any of the outgoing listed above such as operating costs. They may even be uncertain about their employment status – whether they are in fact self-employed or employees. In the UK, it was found that the best way to distinguish this type of self-employed person from one who is in fact running a business was whether they prepared annual accounts for the tax authority.

If they do not, it is more appropriate to use a concept akin to that of earnings from employment to capture their income.

Measurement of income from self-employment

It is universally acknowledged that self-employment income is one of the most problematic elements of household income to define and to measure accurately. These difficulties result not only in inaccurate income data but also in lack of comparability both across time and across countries. While it is unrealistic of course to suppose that all the difficulties can be solved in the context of EU-SILC, the aim should be to draw on current best practice and ‘state of the art’, so that accuracy and comparability of the information on self-employment income is improved.

There is also evidence that self-employment is becoming *more prevalent* in the EU and that it is becoming *more heterogeneous* in its nature. The types of occupation in which the self-employed are engaged have diversified. More women are becoming self-employed and more

employees are taking on subsidiary work on a self-employed basis. Many of the new self-employed are engaged in the service sector, but the skill level of these jobs varies widely from low paid jobs on temporary contracts to high paid and specialised jobs in the banking and financial services and in information technology. The terms under which they work are also becoming more diverse. The traditional self-employed person running a business, perhaps with a few employees, is joined by people in casual work or involved with sub-contracting. The measurement framework adopted has to encompass all these possibilities.

Given the conceptual difficulties in defining self-employment income, it is perhaps not surprising that the collection of accurate income information from the self-employed is one of the most problematic areas for surveys:

- The self-employed often have accounting practices which make it difficult for them to provide accurate responses to survey questions (e.g. they may not separate their business and personal finances).
- Their financial and accounting framework does not relate well to that used by statisticians in constructing national accounts or household income analysis.
- The self-employed are less likely than the employed to respond to income surveys, and self-employment income variables are subject to higher levels of item non-response.
- Not only are the self-employed less likely than employees to respond to surveys, those that do respond are more likely to under-report their income.
- The growth in self-employment as a secondary activity for employees poses additional problems. Unless such secondary activities are properly covered in an income survey with questions that are just as detailed as those for the primary employment, this too will be a source of under-reporting.

Conclusion

It has to be accepted that measurement of income from self-employment is one of the most difficult areas for income distribution analysis. However, the following strategies are recommended which may result in improved estimates:

- the categorisation of self-employed according to (i) whether they consider that they are running a business or (ii) that they have "work" (a job), and the use of a concept akin to that of earnings for the latter group;
- the collection of data on drawings (in the absence of annual accounts, either for tax purposes or as a business account);
- updating profit/loss data which are for a time period earlier than the reference period to using an appropriate index.
- development of procedures for estimating self-employment income net of income tax and social security contributions, procedures which may differ from those used for other income components.

PY070G/PY070N: Value of goods produced by own-consumption

INCOME (Gross personal income, total and components at personal level)

Cross-sectional and longitudinal

Reference period: income reference period

Unit: All current household members aged 16 and over

Mode of collection: personal interview (proxy as an exception for persons temporarily away or in incapacity) or registers

Values

1 - 999999.99	income
0	no income

Flags and imputation factor

see PY010G/PY010N

Mandatory only from 2007 on.

Value of goods produced for own consumption (PY070G)

The value of goods produced for own consumption refers to the value of food and beverages produced and also consumed within the same household.

The value of goods produced for own consumption shall be calculated as the market value of goods produced deducting any expenses incurred in the production.

The value of food and beverages shall be included when they are a significant component of the income at national level or they constitute a significant component of the income of particular groups of households.

It excludes:

- Value of household services.
- Any production for sale and any withdrawals from a business by a self-employed person (these values are included under 'Gross income benefits or losses from self-employment' (including royalties) (PY050G)).

Value of goods produced for own consumption (PY070N)

The net income component correspond to the gross income components but the tax at source, the social insurance contributions or both (if applicable) are deducted.

Comments

This income component includes the value of all goods produced and also consumed within the same household. Any households may engage in such production without being categorised as an unincorporated enterprise but any production for sale (and any withdrawals from a business by a self-employed person) have already been included in PY050(G)/(PY050N).

Thus this item should include, f.e., the value of potatoes produced in the family garden and then consumed by the household, but not the value of any potatoes which are sold (or given) to a neighbour. The value of any sales should be classified as (monetary) self-employment income (any gifts are inter-household transfers in kind and therefore excluded from the EU-SILC). In fact any remunerative hobbies – for example, pigeon keeping, water-colour painting

– should be regarded as a form of casual self-employment and any profits should be recorded as such.

There are very few goods other than fruit and vegetables which EU households produce and consume themselves. Some hobbies, for example weaving cloth, painting pictures, may result in additional goods for the household to consume which otherwise they might have bought, but the income element is likely to be very small once all costs have been deducted. Indeed, there is a fine line between regarding such activities purely as leisure or as productive. This may also be true of fruit and vegetable growing.

Although for some households in some countries, the ability to produce and consume their own garden produce may appear to make a real contribution to their economic well-being, even then it is debatable whether the level of profit is significant once the cost of all inputs has been deducted. Note that if the household is in fact running a farm or small-holding then the value of any of their own produce which they consume themselves will already have been taken into account in the measurement of their (monetary) income from self-employment.

In principle the valuation of goods produced for own consumption is relatively straightforward. Respondents are usually asked to provide information on the quantities of each type of good consumed and a market price is then applied. However, this involves additional data collection and office editing.

It is generally accepted that the extent of consumption of own production in most EU Member States is relatively minor.

In conclusion, although possible in theory to collect data with reasonable accuracy, *this income component is recommended to be included in the implemented version of the EU-SILC* but only for those countries which judge that it is important enough to do so.

PY080G/PY080N: Pension from individual private plans

INCOME (Gross personal income, total and components at personal level)

Cross-sectional and longitudinal

Reference period: income reference period

Unit: All current household members aged 16 and over

Mode of collection: personal interview (proxy as an exception for persons temporarily away or in incapacity) or registers

Values

1 - 999999.99	income (in euros)
0	no income

Flags and imputation factor

see PY010G/PY010N

Other items not considered as part of income:

Under other items not considered as part of income are classified:

- Contributions to individual pension plans (PY035G)/ (PY035N)
- Pensions from individual private plans (other than those covered under ESSPROS) (PY080G)/(PY080N)

Regular pensions from individual private plans (other than those covered under ESSPROS) (PY080G)

Regular pensions from private plans (other than those covered under ESSPROS) refer to pensions and annuities received, during the income reference period, in the form of interest or dividend income from individual private insurance plans, i.e. fully organised schemes where contributions are at the discretion of the contributor independently of their employers or government.

It includes:

- Old age, survivors, sickness, disability and unemployment pensions received as interest or dividends from individual insurance private plans.

It excludes:

- Pensions from mandatory government schemes.
- Pensions from mandatory employer-based schemes

Regular pensions from individual private plans (other than those covered under ESSPROS) (PY080N)

The net income component correspond to the gross income components but the tax at source, the social insurance contributions or both (if applicable) are deducted.

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

INCOME (Gross personal income, total and components at personal level)
Cross-sectional and longitudinal
Reference period: income reference period
Unit: All current household members aged 16 and over
Mode of collection: personal interview (proxy as an exception for persons temporarily away or in incapacity) or registers

Values

1 - 999999.99	income (in euros)
0	no income

Flags and imputation factor

see PY010G/PY010N
additional flag value allowed for PY100G/PY100N, PY110G/PY110N, PY120G/PY120N, PY130G/PY130N :
-4 amount included in another component

Note: for SI and except PY120: aggregation into small classes

Social benefits

Social benefits¹ are defined as current transfers received during the income reference period² by households intended to relieve them from the financial burden of a number of risk or needs, made through collectively organised schemes, or outside such schemes by government units and NPISHs.

It includes the value of any social contributions and income tax payable on the benefits by the beneficiary to social insurance schemes or to tax authorities.

In order to be included as a social benefit, the transfer must meet one of two criteria:

- Coverage is compulsory (under law, regulation or a collective bargaining agreement) for the group in question;

¹ The social benefits included in EU-SILC, with the exception of housing benefits, are restricted to cash benefits.

² In order to get a closer measure to the well-being of the household, the lump-sum benefits received during the income reference period shall be treated according to Eurostat technical recommendations. In the same way, lump-sum received before the income reference period could be taken into account and imputed according to Eurostat recommendations.

- It is based on the principle of social solidarity (i.e. if it is an insurance-based pension, the premium and entitlements are not proportional to the individual exposure to risk of the people protected).

The Social benefits collected at an individual level are the following:

- Unemployment benefits (PY090G)/ (PY090N)
- Old-age benefits (PY100G)/ (PY100N)
- Survivor' benefits (PY110G)/ (PY110N)
- Sickness benefits (PY120G/PY120N)
- Disability benefits (PY130G/PY130N)
- Education related allowances (PY140G/PY140N)

Social benefits exclude:

- Benefits paid from schemes into which the recipient has made voluntary payments only, independently of his/her employer or government (which are included under 'Pensions from individual private plans (other than those covered under ESSPROS)' (PY080G)).

Comments

Although the ESSPROS classification is used for social benefits in the EU-SILC income definition, not all elements of ESSPROS itself are included.

ESSPROS

In the EU a classification of social benefits has been developed which depends on the risks or needs which may give rise to the payment of social benefits. The distinction based on source is secondary. The logic behind this is that from the social exclusion perspective the risk or need being met by the scheme is more important than the source of the transfer. This system is known as the European System of Integrated Social Protection Statistics (ESSPROS), and was developed in the late 1970s in response to the need for a specific instrument of statistical observation of social protection in EC Member States. It has since been revised and updated.

In order to be included as a social benefit (under ESSPROS), the transfer must meet one of two criteria:

1) coverage is compulsory (under law, regulation or a collective bargaining agreement) for the group in question or

2) it is based on the principle of social solidarity (i.e. if it is an insurance-based pension, the premium and entitlements are not proportional to the individual exposure of the people protected). The principle of social solidarity is a feature of all non-contributory schemes.

Difficult borderline cases arise when the law allows people to leave a general social insurance scheme managed by the state social security fund and acquire protection through other channels – known as 'contracting out'. The fact that coverage is compulsory by law (though no particular scheme is specified) or that an insurance policy replaces a government scheme is not sufficient to classify it as social protection. In these cases, the criterion of social solidarity can be a useful guide.

The list of risks and needs that may give rise to social protection is fixed by convention in the ESSPROS methodology as follows:

Sickness/Health care

Disability

Old Age

Survivors

Family/children

Unemployment

Housing

Social exclusion not elsewhere classified

These are normally termed ‘functions’ of social protection. They represent the areas which are felt to be most relevant in the European context. These functions define the primary purposes for which resources and benefits are provided, irrespective of legislative or institutional structures behind them. This enables comparable statistics to be produced despite the fact that the institutions, regulations and social traditions of Members States vary widely.

Functions are therefore defined in terms of their end purpose, rather than in terms of particular branches of social protection or pieces of legislation. Thus for example, the benefits granted by a pension fund cannot simply be classified in their entirety under the Old Age function, as some benefits may relieve the recipient from needs related to the death of a breadwinner (and thus belong to the Survivors function) or the loss of the physical ability to engage in economic and social activities (and thus belong to the Disability function).

The main differences between EU-SILC and ESSPROS are:

- the EU-SILC definition of social benefits includes the function education while ESSPROS does not.
- the ESSPROS definition covers both current and capital transfers whereas the EU-SILC definition covers current transfers only.
- the ESSPROS definition covers certain reductions on taxes where they meet the general criteria for social protection schemes and certain other criteria.
- the EU-SILC definition covers only the cash benefits (with the exceptions of housing)

Full details of the most recent version of ESSPROS, including a detailed guide to the interpretation of each function, may be found in the ESSPROS Manual 1996 (Eurostat, 1996).

The ESSPROS classification scheme has many merits in providing a break-down of social benefits according to the purposes for which they are paid, irrespective of the legislative or institutional structures behind them. However, it is not possible to collect data directly according to this classification because of its unfamiliarity to survey respondents. Instead, data have to be collected in terms familiar to respondents and then correspondence tables used to map the national social benefit system onto ESSPROS. In order for this mapping to be as

accurate as possible, it is important that the survey provides comprehensive prompts to the respondent to ensure that all benefit receipts are reported and that each can be correctly ascribed to a particular social protection scheme, and also that this information is properly recorded in the questionnaire.

Unemployment benefits (PY090G)

Unemployment benefits refer to benefits that replace in whole or in part income lost by a worker due to the loss of gainful employment; provide a subsistence (or better) income to persons entering or re-entering the labour market; compensate for the loss of earnings due to partial unemployment; replace in whole or in part income lost by an older worker who retires from gainful employment before the legal retirement age because of job reductions for economic reasons; contribute to the cost of training or re-training people looking for employment; or help unemployed persons meet the cost of travelling or relocating to obtain employment;

It includes:

- Full unemployment benefits: benefits compensating for loss of earnings where a person is capable of working and available for work but is unable to find suitable employment, including persons who had not previously been employed.
- Partial unemployment benefits: benefits compensating for the loss of wages or salary due to formal short-time working arrangements, and/or intermittent work schedules, irrespective of their cause (business recession or slow-down, breakdown of equipment, climatic conditions, accidents and so on), and where the employer/employee relationship continues.
- Early retirement for labour market reasons: periodic payments to older workers who retire before reaching standard retirement age due to unemployment or to job reductions caused by economic measures such as the restructuring of an industrial sector or of a business enterprise. These payments normally cease when the beneficiary becomes entitled to an old age pension.
- Vocational training allowance: payments by social security funds or public agencies to targeted groups of persons in the labour force who take part in training schemes intended to develop their potential for employment.
- Mobility and resettlement: payments by social security funds or public agencies to unemployed persons to encourage them to move to another locality or change their occupation in order to seek or to obtain work.
- Severance and termination payments (benefits compensating employees for employment ending before the employee has reached the normal retirement age for that job) .
- Redundancy compensation: capital sums paid to employees who have been dismissed through no fault of their own by an enterprise that is ceasing or cutting down its activities.

- Other cash benefits: other financial assistance, particularly payments to the long-term unemployed

It excludes:

family allowances paid for dependent children (which are included under ‘Family/children related allowances’ (HY050G)).

Unemployment benefits (PY090N)

The net income component correspond to the gross income components but the tax at source, the social insurance contributions or both (if applicable) are deducted.

Comments about unemployment benefits

- There are two concepts related to vocational training allowance under the unemployment benefit function:

The vocational training allowance, i.e. payment by social security funds or public agencies to targeted groups of persons in the labour force who take part in training schemes intended to develop their potential for employment. This is considered as benefit in cash and thus included in PY090.

A benefit (in-kind) related to vocational training, i.e. payments by social security funds or public agencies to institutions that provide training courses to unemployed people. This benefits are excluded from EU-SILC.

Old age benefits (PY100G)

The Old age function refers to the provision of social protection against the risk linked to old age, loss of income, inadequate income, lack of independence in carrying out daily tasks, reduced participation in social life, and so on.

Old age benefits cover benefits that: provide a replacement income when the aged person retires from the labour market, or guarantee a certain income when a person has reached a prescribed age.

It includes:

- Old age pensions: periodic payments intended to maintain the income of the beneficiary after retirement from gainful employment at the standard age or support the income of old persons
- Anticipated old age pensions: periodic payments intended to maintain the income of beneficiaries who retire before the standard age as defined in the relevant scheme or in the scheme of reference. This may occur with or without a reduction of the normal pension.
- Partial retirement pensions: periodic payment of a portion of the full retirement pension to older workers who continue to work but reduce their working hours or whose income from a professional activity is below a defined ceiling.
- Care allowances: benefit paid to old people who need frequent or constant assistance to help them meet the extra costs of attendance (other than medical care) when the benefit is not a reimbursement of certified expenditure.

- Survivor’s benefits paid after the standard retirement age.
- Disability cash benefits paid after the standard retirement age.
- Lump-sum payments at the normal retirement date.
- Other cash benefits: other periodic and lump-sum benefits paid upon retirement or on account of old age, such as capital sums paid to people who do not fully meet the requirements for a periodic retirement pension, or who were members of a scheme designed to provide only capital sums at retirement.
- It excludes:
 - Family allowances for dependent children (which are included under ‘Family/children related allowances’ (HY050G)).
 - Early retirement benefits paid for labour market reasons or in case of reduced capacity to work (they are included respectively under ‘Unemployment benefits’ (PY090G) or under ‘Disability benefits’ (PY130G)).
 - Benefits paid to old people who need frequent or constant assistance to help them meet the extra costs of attendance when the benefits are reimbursed against a certified expenditure.

Survivor’s benefits (PY110G)

Survivors' benefits refer to benefits that provide a temporary or permanent income to people below retirement age who have suffered from the loss of their spouse, partner or next-of-kin, usually when the latter represented the main breadwinner for the beneficiary.

Survivors eligible for benefit may be the spouse or ex-spouse of the deceased person, his or her children, grandchildren, parents or other relatives. In some cases, the benefit may also be paid to someone outside the family.

A survivor's benefit is normally granted on the basis of a derived right, that is, a right originally belonging to another person whose death is a condition for granting the benefit.

It includes:

- Survivor’s pension: periodic payments to people whose entitlement derives from their relationship with a deceased person protected by a scheme (widows, widowers, orphans and similar).
- Death grant: single payment to someone whose entitlement derives from their relationship with a deceased person (widows, widowers, orphans and similar).
- Other cash benefits: other periodic or lump-sum payments made by virtue of a derived right of a survivor.

It excludes:

- Family allowances for dependent children (These benefits are included under Family/children related allowance (HY050G)).
- Funeral expenses

- Additional payments made by employers to other eligible persons to supplement the survivors' benefits pay entitlement from a social insurance scheme, where such payments cannot be separately and clearly identified as social benefits (those payments are included under 'gross employee cash or near cash income' (PY010G)).
- Survivor's benefits paid after the standard retirement age (these benefits are included under 'Old age benefits' (PY100G)).

Note: periodic payments to people whose entitlement derives from their relationship with a deceased person during a war are included in PY110. Survivor's benefits paid after the standard retirement age are included under 'Old age benefits'

Sickness benefits (PY120G)

Sickness benefits refer to cash benefits that replace in whole or in part loss of earnings during temporary inability to work due to sickness or injury.

Sickness benefits include:

- Paid sick leave: flat-rate or earnings-related payments intended to compensate the protected person in full or in part for the loss of earnings caused by temporary inability to work due to sickness or injury. These benefits may be paid by autonomous social protection schemes, but they may also be provided by the employer in form of a continued payment of wages and salaries during the period of sickness.
- Paid leave in case of sickness or injury of a dependent child.
- Other cash benefits: miscellaneous payments made to protected people in connection with sickness or injury.

It excludes:

- Cash benefits that replace loss of earnings during temporary inability to work in case of pregnancy (these benefits are included under 'Family/children related allowance (HY050G)).
- Cash benefits that replace loss of earnings during temporary inability to work in case of disability (these benefits are included under 'Disability benefits' (PY130G)).
- Payments made for employers to an employee in lieu of wages and salaries through a social insurance scheme when unable to work through sickness where such payment can not be separately and clearly identified as social benefits (these payments are included under 'gross employee cash or near cash income' (PY010G)).
- Additional payments made for employers to an employee to supplement the sickness leave pay entitlement from a social insurance scheme, where such payments can not be separately and clearly identified as social benefits (those payments are included under 'gross employee cash or near cash income' (PY010G)).

Disability benefits (PY130G)

Disability benefits refer to benefits that provide an income to persons below standard retirement age whose ability to work and earn is impaired beyond a minimum level laid down by legislation by a physical or mental disability.

Disability is the full or partial inability to engage in economic activity or to lead a normal life due to a physical or mental impairment that is likely to be either permanent or to persist beyond a minimum prescribed period.

It includes:

- Disability Pension: periodic payment intended to maintain or support the income of someone below standard retirement age who suffers from a disability which impairs his or her ability to work or earn beyond a minimum level laid down by legislation.
- Early retirement in case of reduced ability to work: periodic payments to older workers who retire before reaching standard retirement age as a result of reduced ability to work. These pensions normally cease when the beneficiary becomes entitled to an old age pension.
- Care allowance: benefit paid to disabled people below standard retirement age who need frequent or constant assistance to help them meet the extra costs of attendance (other than medical care). The benefit must not be a reimbursement of certified expenditure.
- Economic integration of the handicapped: allowances paid to disabled people when they undertake work adapted to their condition, normally in a sheltered workshop, or when they undergo vocational training.
- Disability benefits to disabled children in their own right, irrespective of dependency.
- Other cash benefits: periodic and lump-sum payments not falling under the above headings, such as occasional income support and so on.

It excludes:

- Benefits provided to replace in whole or in part earnings during temporary incapacity to work due to sickness or injury (these benefits are included under 'Sickness benefits' (PY120G)).
- Family allowances paid to recipients of disability benefits (these benefits are included under 'Family/children related allowances' (HY050G)).
- Benefits paid to the surviving dependants of disabled people, such as pensions (these benefits are included under 'Survivors benefits' (PY110G)).
- Benefits that are a reimbursement of certified expenditure.
- Disability cash benefits paid after the standard retirement age (these benefits are included under 'Old age benefits' (PY100G)).
- Payments made by employers to an employee or former employee in lieu of wages and salaries through a social insurance scheme when unable to work

through disability where such payment cannot be separately and clearly identified as social benefits (these payments are included under 'gross employee cash or near cash income' (PY010G)).

- Additional payments made for employers to an employee or former employee to supplement the disability leave pay entitlement from a social insurance scheme, where such payments can not be separately and clearly identified as social benefits (those payments are included under 'gross employee cash or near cash income' (PY010G)).

Note: periodic payment intended to maintain or support the income of someone below standard retirement age who suffers from a disability got during a 'war' are included under PY130. Disability cash benefits paid after the standard retirement age are included under 'Old age benefits' (PY100G)).

Comments

See PY090G

Other comments

National system of pensions

ESSPROSS points out that in the majority of Member States the old-age disability and survivors' functions take part of consistent group of benefits organised like a own system. This group is often known as the 'National System of Pensions' According to ESSPROSS recommendation, all these benefits should be recorded as old-age benefits for people above retirement age as established in the reference national scheme. For people below retirement age a question should be asked in order to separate the different types of benefits.

Survivors function

The survivors' function should include not only survivors' pension from the National insurance scheme, but also survivors' pensions from occupational pensions.

Social benefits

See PY090G

Education-related allowances (PY140G)

Education allowances refers to grants, scholarships and other education help received by students.

Comments

See PY090G

The net income component correspond to the gross income components but the tax at source, the social insurance contributions or both (if applicable) are deducted.

PY200G: Gross monthly earnings for employees

INCOME (Gross personal income, total and components at personal level)

Cross-sectional

Reference period: current

Unit: All current household members aged 16 and over

Mode of collection: personal interview (proxy as an exception for persons temporarily away or in incapacity) or registers

Values

1 - 999999.99	income (in euros)
0	no income

Flags

	<i>Net/gross at data collection</i>
0	no income
1	net of tax on income at source and social contributions
2	net of tax on income at source
3	net of tax on social contributions
4	gross
5	unknown
-1	missing (As missing values are imputed this code is only acceptable if not imputation is possible)
-2	na (PL040 not = 3 or MS has other source to calculate gender pay gap or for analyse it)

Imputation factor

000.00000 to 9999.99999 = collected value / recorded value

The gross amount refers to the amount before tax and social insurance contributions are deducted.

It refers to the monthly amount in the main job for employees.

It includes usual paid overtime, tips and commission but excludes income from investments-assets, savings, stocks and shares .

If a person receive as a part of salary supplementary payments (13th or 14th month payments), or payments like holiday pay, profit share, bonuses, ...these payments should be taken into account in a monthly basis.

Only monetary earnings should be taken into account.

See PY010G.

PY200G is compulsory only for member states who have no other source than SILC to calculate the gender pay gap.

PX010: Exchange rate

BASIC DATA (Basic household data including degree of urbanisation)

Cross-sectional and longitudinal

Reference period: income reference period

Unit: Household / person

Mode of collection: external source

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)

PX020: Age at the end of the income reference period

BASIC DATA (Demographic data)

Cross-sectional and longitudinal

Reference period: constant

Unit: all current household members (of any age) and former household members

Mode of collection: Calculated

Values

-1 – 80: age in years

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

the end of income reference period may be:

[1]: end of previous calendar year

[2]: another fixed date (YY= year of the survey)

[3]: moving date; date of interview

COUNTRY	2004	2005 / 2006
BE	[1]	[1]
CZ	N/A	[1]
DK	[1]	[1]
DE	N/A	[1]
EE	[1]	[1]
EL / GR	[1]	[1]
ES	[1]	[1]
FR	[1]	[1]
IE	[3]	[3]
IT	[1]	[1]
CY	N/A	[1]
LV	N/A	[1]
LT	N/A	[1]
LU	[1]	[1]
HU	N/A	[1]
MT	N/A	[1]
NL	N/A	[1]
AT	[1]	[1]
PL	N/A	[1]
PT	[1]	[1]
SI	N/A	[1]
SK	N/A	[1]
FI	[1]	[1]
SE	[1]	[1]
UK	N/A	[2] 31/12/YY
IS	[1]	[1]
NO	[1]	[1]

PX030: Household ID

BASIC DATA (Basic household data including degree of urbanisation)

Cross-sectional and longitudinal

Reference period: current

Unit: household

Mode of collection: calculated

Values

PX030 = DB030

PX040: Respondent status

<i>BASIC DATA (Basic personal data)</i>

<i>Cross-sectional and longitudinal</i>

<i>Reference period: current</i>

<i>Unit: all current household members (of any age)</i>

<i>Mode of collection: household respondent or register</i>

Values

<i>PX040 = RB245</i>

PX050: Activity status

BASIC DATA (Basic personal data)

Cross-sectional

Reference period: current

Unit: all current household members (of any age)

Mode of collection: household respondent or register

Values

1 – 4: see below

Calculation of activity status breakdowns

For each household member for which RB250 = 11, 12 or 13 the following variables has been selected: PL070, PL072, PL080, PL085, PL087, PL090, PB040 and PB150.

The following derived variables have been constructed:

$$TOT^1 = PL070 + PL072 + PL080 + PL085 + PL087 + PL090$$

$$EMP = PL070 + PL072$$

$$UNP = PL080$$

$$RET = PL085$$

$$OIN = PL087 + PL090$$

If $TOT < 7$ PX050 = missing

$$\text{If } TOT \geq 7 \Rightarrow \text{Ratio1} = \frac{EMP}{TOT}; \text{Ratio2} = \frac{UNP}{TOT}; \text{Ratio3} = \frac{RET}{TOT}; \text{Ratio4} = \frac{OIN}{TOT}$$

Let Max-ratio = $\max \{Ratio1, Ratio2, Ratio3, Ratio4\}$

If Max-ratio ≤ 0.5

PX050 = missing

Otherwise: - if Ratio1 > 0.5

PX050 = 1

- if Ratio2 > 0.5

PX050 = 2

- if Ratio3 > 0.5

PX050 = 3

- if Ratio4 > 0.5

PX050 = 4

¹ Before adding up the variables do : $PL0XY = 0$ if $PL0XY_F = -1$ where $XY = 70, 72, 80, 85, 87, 90$

Annex 1: NUTS

CodeCountry Level 2

ÖSTERREICH

AT11	Burgenland
AT12	Niederösterreich
AT13	Wien
AT21	Kärnten
AT22	Steiermark
AT31	Oberösterreich
AT32	Salzburg
AT33	Tirol
AT34	Vorarlberg
ATZZ	Extra-Regio

BELGIQUE-BELGIË

BE10	Région de Bruxelles-Capitale / Brussels Hoofdstedelijk Gewest
BE21	Prov. Antwerpen
BE22	Prov. Limburg (B)
BE23	Prov. Oost-Vlaanderen
BE24	Prov. Vlaams-Brabant
BE25	Prov. West-Vlaanderen
BE31	Prov. Brabant Wallon
BE32	Prov. Hainaut
BE33	Prov. Liège
BE34	Prov. Luxembourg (B)
BE35	Prov. Namur
BEZZ	Extra-Regio

KYPROS / KIBRIS

CY00	Kypros / Kibris
CYZZ	Extra-Regio

CESKA REPUBLIKA

CZ01	Praha
CZ02	Stredni Cechy
CZ03	Jihozapad
CZ04	Severozapad
CZ05	Severovýchod
CZ06	Jihovýchod
CZ07	Stredni Morava
CZ08	Moravskoslezsko
CZZZ	Extra-Regio

DEUTSCHLAND

DE11	Stuttgart
DE12	Karlsruhe
DE13	Freiburg
DE14	Tübingen
DE21	Oberbayern
DE22	Niederbayern
DE23	Oberpfalz
DE24	Oberfranken
DE25	Mittelfranken
DE26	Unterfranken
DE27	Schwaben
DE30	Berlin
DE41	Brandenburg - Nordost
DE42	Brandenburg - Südwest
DE50	Bremen
DE60	Hamburg
DE71	Darmstadt
DE72	Gießen
DE73	Kassel
DE80	Mecklenburg-Vorpommern
DE91	Braunschweig
DE92	Hannover
DE93	Lüneburg
DE94	Weser-Ems
DEA1	Düsseldorf
DEA2	Köln
DEA3	Münster
DEA4	Detmold
DEA5	Arnsberg
DEB1	Koblenz
DEB2	Trier
DEB3	Rheinhessen-Pfalz
DEC0	Saarland
DED1	Chemnitz
DED2	Dresden
DED3	Leipzig
DEE1	Dessau
DEE2	Halle
DEE3	Magdeburg
DEF0	Schleswig-Holstein
DEG0	Thüringen
DEZZ	Extra-Regio

DANMARK

DK00	Danmark
DKZZ	Extra-Regio

EESTI

EE00	Eesti
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EEZZ Extra-Regio

ESPAÑA

ES11 Galicia
ES12 Principado de Asturias
ES13 Cantabria
ES21 País Vasco
ES22 Comunidad Foral de Navarra
ES23 La Rioja
ES24 Aragón
ES30 Comunidad de Madrid
ES41 Castilla y León
ES42 Castilla-La Mancha
ES43 Extremadura
ES51 Cataluña
ES52 Comunidad Valenciana
ES53 Illes Balears
ES61 Andalucía
ES62 Región de Murcia
ES63 Ciudad Autónoma de Ceuta
ES64 Ciudad Autónoma de Melilla
ES70 Canarias
ESZZ Extra-Regio

SUOMI / FINLAND

FI13 Itä-Suomi
FI18 Etelä-Suomi
FI19 Länsi-Suomi
FI1A Pohjois-Suomi
FI20 Åland
FIZZ Extra-Regio

FRANCE

FR10 Île de France
FR21 Champagne-Ardenne
FR22 Picardie
FR23 Haute-Normandie
FR24 Centre
FR25 Basse-Normandie
FR26 Bourgogne
FR30 Nord - Pas-de-Calais
FR41 Lorraine
FR42 Alsace
FR43 Franche-Comté
FR51 Pays de la Loire
FR52 Bretagne
FR53 Poitou-Charentes
FR61 Aquitaine
FR62 Midi-Pyrénées
FR63 Limousin

FR71	Rhône-Alpes
FR72	Auvergne
FR81	Languedoc-Roussillon
FR82	Provence-Alpes-Côte d'Azur
FR83	Corse
FR91	Guadeloupe
FR92	Martinique
FR93	Guyane
FR94	Réunion
FRZZ	Extra-Regio

ELLADA

GR11	"Anatoliki Makedonia, Thraki"
GR12	Kentriki Makedonia
GR13	Dytiki Makedonia
GR14	Thessalia
GR21	Ipeiros
GR22	Ionia Nisia
GR23	Dytiki Ellada
GR24	Stereia Ellada
GR25	Peloponnisos
GR30	Attiki
GR41	Voreio Aigaio
GR42	Notio Aigaio
GR43	Kriti
GRZZ	Extra-Regio

MAGYARORSZAG

HU10	Kozep-Magyarország
HU21	Kozep-Dunantul
HU22	Nyugat-Dunantul
HU23	Del-Dunantul
HU31	Eszak-Magyarország
HU32	Eszak-Alfold
HU33	Del-Alfold
HUZZ	Extra-Regio

IRELAND

IE01	"Border, Midland and Western"
IE02	Southern and Eastern
IEZZ	Extra-Regio

ITALIA

ITC1	Piemonte
ITC2	Valle d'Aosta/Vallée d'Aoste
ITC3	Liguria
ITC4	Lombardia
ITD1	Provincia Autonoma Bolzano/Bozen
ITD2	Provincia Autonoma Trento

ITD3	Veneto
ITD4	Friuli-Venezia Giulia
ITD5	Emilia-Romagna
ITE1	Toscana
ITE2	Umbria
ITE3	Marche
ITE4	Lazio
ITF1	Abruzzo
ITF2	Molise
ITF3	Campania
ITF4	Puglia
ITF5	Basilicata
ITF6	Calabria
ITG1	Sicilia
ITG2	Sardegna
ITZZ	Extra-Regio

LIETUVA

LT00	Lietuva
LTZZ	Extra-Regio

LUXEMBOURG (GRAND-DUCHÉ)

LU00	Luxembourg (Grand-Duché)
LUZZ	Extra-Regio

LATVIJA

LV00	Latvija
LVZZ	Extra-Regio

MALTA

MT00	Malta
MTZZ	Extra-Regio

NEDERLAND

NL11	Groningen
NL12	Friesland
NL13	Drenthe
NL21	Overijssel
NL22	Gelderland
NL23	Flevoland
NL31	Utrecht
NL32	Noord-Holland
NL33	Zuid-Holland
NL34	Zeeland
NL41	Noord-Brabant
NL42	Limburg (NL)
NLZZ	Extra-Regio

POLSKA

PL11	Lodzkie
PL12	Mazowieckie

PL21	Malopolskie
PL22	Slaskie
PL31	Lubelskie
PL32	Podkarpackie
PL33	Swietokrzyskie
PL34	Podlaskie
PL41	Wielkopolskie
PL42	Zachodniopomorskie
PL43	Lubuskie
PL51	Dolnoslaskie
PL52	Opolskie
PL61	Kujawsko-Pomorskie
PL62	Warminsko-Mazurskie
PL63	Pomorskie
PLZZ	Extra-Regio

PORTUGAL

PT11	Norte
PT15	Algarve
PT16	Centro (P)
PT17	Lisboa
PT18	Alentejo
PT20	Região Autónoma dos Açores
PT30	Região Autónoma da Madeira
PTZZ	Extra-Regio

SVERIGE

SE01	Stockholm
SE02	Östra Mellansverige
SE04	Sydsverige
SE06	Norra Mellansverige
SE07	Mellersta Norrland
SE08	Övre Norrland
SE09	Småland med öarna
SE0A	Västsverige
SEZZ	Extra-Regio

SLOVENIJA

SI00	Slovenija
SIZZ	Extra-Regio

SLOVENSKA REPUBLIKA

SK01	Bratislavsky kraj
SK02	Zapadne Slovensko
SK03	Stredne Slovensko
SK04	Vychodne Slovensko
SKZZ	Extra-Regio

UNITED KINGDOM

UKC1	Tees Valley and Durham
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UKC2	Northumberland and Tyne and Wear
UKD1	Cumbria
UKD2	Cheshire
UKD3	Greater Manchester
UKD4	Lancashire
UKD5	Merseyside
UKE1	East Riding and North Lincolnshire
UKE2	North Yorkshire
UKE3	South Yorkshire
UKE4	West Yorkshire
UKF1	Derbyshire and Nottinghamshire
UKF2	"Leicestershire, Rutland and Northamptonshire"
UKF3	Lincolnshire
UKG1	"Herefordshire, Worcestershire and Warwickshire"
UKG2	Shropshire and Staffordshire
UKG3	West Midlands
UKH1	East Anglia
UKH2	Bedfordshire and Hertfordshire
UKH3	Essex
UKI1	Inner London
UKI2	Outer London
UKJ1	"Berkshire, Buckinghamshire and Oxfordshire"
UKJ2	"Surrey, East and West Sussex"
UKJ3	Hampshire and Isle of Wight
UKJ4	Kent
UKK1	"Gloucestershire, Wiltshire and North Somerset"
UKK2	Dorset and Somerset
UKK3	Cornwall and Isles of Scilly
UKK4	Devon
UKL1	West Wales and The Valleys
UKL2	East Wales
UKM1	North Eastern Scotland
UKM2	Eastern Scotland
UKM3	South Western Scotland
UKM4	Highlands and Islands
UKN0	Northern Ireland
UKZZ	Extra-Regio

Annex 2: Classification of Countries

EU: for PB210 and PB220A , classified LOC or EU.

BE	Belgique/Belgie
DK	Danmark
DE	Deutschland
GR	Ellada
ES	España
FR	France
IE	Ireland
IT	Italia
LU	Luxembourg
NL	Nederland
AT	Österreich
PT	Portugal
FI	Suomi
SE	Sverige
UK	United Kingdom

CY	Cyprus
CZ	Czech republic
EE	Estonia
HU	Hungary
LV	Latvia
LT	Lithuania
MT	Malta
PL	Poland
SK	Slovak republic
SI	Slovenia

NON EU: for PB210 and PB220A , classified LOC or OTH.

IS	Iceland
NO	Norway
CH	Switzerland

OTH:

All other countries including IS, NO, and CH.

Annex 3: NACE (REV 1.1)

Statistical Classification Of Economic Activities

Section A Agriculture, hunting and forestry

- 01 Agriculture, hunting and related service activities
- 02 Forestry, logging and related service activities

Section B Fishing

- 05 Fishing, operation of fish hatcheries and fish farms; service activities incidental to fishing

Section C Mining and quarrying

- 10 Mining of coal and lignite; extraction of peat
- 11 Extraction of crude petroleum and natural gas; service activities incidental to oil and gas extraction excluding surveying
- 12 Mining of uranium and thorium ores
- 13 Mining of metal ores
- 14 Other mining and quarrying

Section D Manufacturing

- 15 Manufacture of food products and beverages
- 16 Manufacture of tobacco products
- 17 Manufacture of textiles
- 18 Manufacture of wearing apparel; dressing and dyeing of fur
- 19 Tanning and dressing of leather; manufacture of luggage, handbags, saddlery, harness and footwear
- 20 Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials
- 21 Manufacture of pulp, paper and paper products
- 22 Publishing, printing and reproduction of recorded media
- 23 Manufacture of coke, refined petroleum products and nuclear fuel
- 24 Manufacture of chemicals and chemical products
- 25 Manufacture of rubber and plastic products
- 26 Manufacture of other non-metallic mineral products
- 27 Manufacture of basic metals
- 28 Manufacture of fabricated metal products, except machinery and equipment
- 29 Manufacture of machinery and equipment n.e.c.
- 30 Manufacture of office machinery and computers
- 31 Manufacture of electrical machinery and apparatus n.e.c.
- 32 Manufacture of radio, television and communication equipment and apparatus
- 33 Manufacture of medical, precision and optical instruments, watches and clocks
- 34 Manufacture of motor vehicles, trailers and semi-trailers
- 35 Manufacture of other transport equipment
- 36 Manufacture of furniture; manufacturing n.e.c.
- 37 Recycling

Section E Electricity, gas and water supply

- 40 Electricity, gas, steam and hot water supply
- 41 Collection, purification and distribution of water

Section F Construction

45 Construction

Section G Wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods

50 Sale, maintenance and repair of motor vehicles and motorcycles; retail sale of automotive fuel
51 Wholesale trade and commission trade, except of motor vehicles and motorcycles
52 Retail trade, except of motor vehicles and motorcycles; repair of personal and household goods

Section H Hotels and restaurants

55 Hotels and restaurants

Section I Transport, storage and communication

60 Land transport; transport via pipelines
61 Water transport
62 Air transport
63 Supporting and auxiliary transport activities; activities of travel agencies
64 Post and telecommunications

Section J Financial intermediation

65 Financial intermediation, except insurance and pension funding
66 Insurance and pension funding, except compulsory social security
67 Activities auxiliary to financial intermediation

Section K Real estate, renting and business activities

70 Real estate activities
71 Renting of machinery and equipment without operator and of personal and household goods
72 Computer and related activities
73 Research and development
74 Other business activities

Section L Public administration and defence, compulsory social security

75 Public administration and defence; compulsory social security

Section M Education

80 Education

Section N Health and social work

85 Health and social work

Section O Other community, social and personal service activities

90 Sewage and refuse disposal, sanitation and similar activities
91 Activities of membership organization n.e.c.
92 Recreational, cultural and sporting activities
93 Other service activities

Section P Private households with employed persons

95 Private households with employed persons

Section O Extra-territorial organizations and bodies

99 Extra-territorial organizations and bodies

Annex 4: ISCO-88 (COM)

International Standard Classification of Occupations

Legislators, senior officials and managers

11 Legislators, senior officials and managers

- Legislators and senior government officials
- Senior officials of special-interest organisations

12 Corporate managers

- Directors and chief executives
- Production and operations managers
- Other specialist managers

13 Managers of small enterprises

- Managers of small enterprises

Professionals

21 Physical, mathematical and engineering science professionals

- Physicists, chemists and related professionals
- Mathematicians, statisticians and related professionals
- Computing professionals
- Architects, engineers and related professionals

22 Life science and health professionals

- Life science professionals
- Health professionals (except nursing)
- Nursing and midwifery professionals

23 Teaching professionals

- College, university and higher education teaching professionals
- Secondary education teaching professionals
- Primary and pre-primary education teaching professionals
- Special education teaching professionals
- Other teaching professionals

24 Other professionals

- Business professionals
- Legal professionals
- Archivists, librarians and related information professionals
- Social science and related professionals
- Writers and creative or performing artists
- Religious professionals
- Public service administrative professionals

Technicians and associate professionals

31 Physical and engineering science associate professionals

- Physical and engineering science technicians
- Computer associate professionals
- Optical and electronic equipment operators
- Ship and aircraft controllers and technicians
- Safety and quality inspectors

32 Life science and health associate professionals

- Life science technicians and related associate professionals
- Health associate professionals (except nursing)
- Nursing and midwifery associate professionals

33 Teaching associate professionals

- Primary education teaching associate professionals
- Pre-primary education teaching associate professionals
- Special education teaching associate professionals
- Other teaching associate professionals

34 Other associate professionals

- Finance and sales associate professionals
- Business services agents and trade brokers
- Administrative associate professionals
- Customs, tax and related government associate professionals
- Police inspectors and detectives
- Social work associate professionals
- Artistic, entertainment and sports associate professionals
- Religious associate professionals

Clerks

41 Office clerks

- Secretaries and keyboard-operating clerks
- Numerical clerks
- Material-recording and transport clerks
- Library, mail and related clerks
- Other office clerks

42 Customer services clerks

- Cashiers, tellers and related clerks
- Client information clerks

Service workers and shop and market sales workers

51 Personal and protective services workers

- Travel attendants and related workers
- Housekeeping and restaurant services workers
- Personal care and related workers
- Other personal services workers
- Protective services workers

52 Models, salespersons and demonstrators

- Fashion and other models
- Shop, stall and market salespersons and demonstrators

Skilled agricultural and fishery workers

61 Skilled agricultural and fishery workers

- Market gardeners and crop growers
- Animal producers and related workers
- Crop and animal producers
- Forestry and related workers
- Fishery workers, hunters and trappers

Craft and related trades workers

71 Extraction and building trades workers

- Miners, shotfirers, stone cutters and carvers
- Building frame and related trades workers
- Building finishers and related trades workers
- Painters, building structure cleaners and related trades workers

72 Metal, machinery and related trades workers

- Metal moulders, welders, sheet-metal workers, structural-metal preparers, and related trades workers
- Blacksmiths, tool-makers and related trades workers
- Machinery mechanics and fitters
- Electrical and electronic equipment mechanics and fitters

73 Precision, handicraft, craft printing and related trades workers

- Precision workers in metal and related materials
- Potters, glass-makers and related trades workers
- Handicraft workers in wood, textile, leather and related materials
- Craft printing and related trades workers

74 Other craft and related trades workers

- Food processing and related trades workers
- Wood treaters, cabinet-makers and related trades workers
- Textile, garment and related trades workers
- Pelt, leather and shoemaking trades workers

Plant and machine operators and assemblers

81 Stationary-plant and related operators

- Mining and mineral-processing-plant operators
- Metal-processing plant operators
- Glass, ceramics and related plant operators
- Wood-processing- and papermaking-plant operators
- Chemical-processing-plant operators
- Power-production and related plant operators
- Industrial robot operators

82 Machine operators and assemblers

- Metal- and mineral-products machine operators
- Chemical-products machine operators
- Rubber- and plastic-products machine operators
- Wood-products machine operators
- Printing-, binding- and paper-products machine operators
- Textile-, fur- and leather-products machine operators
- Food and related products machine operators
- Assemblers
- Other machine operators not elsewhere classified

83 Drivers and mobile plant operators

- Locomotive engine drivers and related workers
- Motor vehicle drivers
- Agricultural and other mobile plant operators
- Ships' deck crews and related workers

Elementary occupations

91 Sales and services elementary occupations

- Street vendors and related workers
- Shoe cleaning and other street services elementary occupations
- Domestic and related helpers, cleaners and launderers
- Building caretakers, window and related cleaners
- Messengers, porters, doorkeepers and related workers
- Garbage collectors and related labourers

92 Agricultural, fishery and related labourers

- Agricultural, fishery and related labourers

93 Labourers in mining, construction, manufacturing and transport

- Mining and construction labourers
- Manufacturing labourers
- Transport labourers and freight handlers

Armed forces

01 Armed forces

- Armed forces

Annex 5: The enterprise and local unit

The Enterprise

The concept of enterprise is based on those of ‘legal units’ and ‘institutional units’.

Combination of legal units

“The *enterprise* is the smallest combination of *legal units* [defined below] that is an organisational unit producing goods and services, which benefits from a certain degree of autonomy in decision-making, especially for the allocation of its current resources..... An enterprise may be a sole legal unit.” However, under certain circumstances, it can “correspond to a grouping of several legal units. Some legal units, in fact, perform activities exclusively for other legal units and their existence can only be explained by administrative factors (e.g. tax reasons), without them being of any economic significance. A large proportion of the legal units with no persons employed also belongs to this category. In many cases the activities of these legal units should be seen as ancillary activities of the parent legal unit they serve, to which they belong to which they must be attached to form an enterprise used for economic analysis.

Hence to constitute the enterprise unit, use is made of legal units that exercise, wholly or partially, a productive activity. *Legal units* include: “legal persons whose existence is recognised by law independently of the individuals or institutions which may own them or are members of them”; and “natural persons who are engaged in an economic activity in their own right”. The legal unit always forms, either by itself or sometimes in combination with other legal units, the legal basis for the statistical unit known as the ‘enterprise’.

Institutional units.

“In the corporate enterprises sector, the enterprise corresponds to the institutional units used in the ESA. Similar institutional units also exist in the general government and private non-profit institutions sectors”. Here, the *institutional unit* refers to “an elementary economic decision-making centre characterised by uniformity of behaviour and decision-making autonomy in respect of its principal function. A unit is regarded as constituting an institutional unit if it has decision-making autonomy in respect of its principal function and keeps a complete set of records”. This includes public and private companies and public corporations; agencies of general government; and co-operatives or partnerships, public enterprises, non-profit institutions etc., recognised as independent legal entities. Also included are other quasi-corporate enterprises (sole proprietorships and other partnerships and public enterprises) “in so far as their economic and financial behaviour can be separated from that of their owners and resembles that of corporate enterprises”. Household enterprises - not necessarily keeping a complete set of accounts but by convention deemed to have autonomy of decision - also form institutional units. The institutional unit in the household sector covers all activities of households, while the term ‘enterprise’ is reserved exclusively for their production activities.

Classification by principal activity

Units such as enterprises or ‘local units’ are classified in terms of their *economic activity of production*. An ‘activity’ takes place when “resources such as equipment, labour, manufacturing techniques, information networks of products are combined, leading to the creation of specific goods or services.” An activity is characterised by “an input of products (goods and services), a production process and an output of products”, and is classified by reference to a specific level of NACE (REV 1.1) Rev.1.

If a unit carries out more than one activity, the following procedure applies to its classification. A distinction is made between *principal activity* and *secondary activities*. For this purpose “all the activities which are not ancillary activities are ranked according to the gross value-added at factor cost which they generate... If no value-added figures are available, other criteria must be used, such as, for example, employment, payroll, turnover and assets, with a view to obtaining the closest possible approximation to the classification which would have been obtained on the basis of value-added.... If one activity accounts for over 50% of the value added this determines the classification of the unit. In all other cases ... classification is carried out in stages from the highest level of aggregation... [and] at each level [it] must be compatible with the previous level”. In the EU-SILC, information is sought on the nature of economic activity of the local unit only to the second digit level (section and division) of the classification.

Principal and secondary activities are “backed up by *ancillary activities*, such as, for example, administration, accounts, data processing, process monitoring, purchasing, sales and marketing, ware housing, repairs, transport and renovation. These ancillary activities within a unit are carried out in order to permit or facilitate production by the unit of goods and services for third parties.” The products of ancillary activities do not generate gross fixed capital formation nor normally form part of the unit’s end product, and are not themselves supplied to third parties. Examples of ancillary activities include production of small implements for the unit’s use, own-account transport, sales of own products, or administrative department of an enterprise. For the purpose of classification according to type of activity of the enterprise or other economic unit, the general rule is that “the ancillary activity is not taken into account when classifying the activity of the entity by which the ancillary activities are carried out”.

The concept of principal activity applies to any level of units. The EU-SILC seeks information at the *level of the local unit*, as defined below. In the case of a local unit engaged only in ancillary activity, its activity classification is determined by the principal activity of the unit or units it serves in the enterprise.

The Local Unit

An enterprise carries out one or more activities at one or more locations. The *local unit* is “an enterprise or part thereof (e.g. a workshop, factory, warehouse, office, mine or depot) situated in a geographically identified place. At or from this place economic activity is carried out for which - save for certain exceptions - one or more persons work (even if only part-time) for one and the same enterprise.” Further explanatory rules include the following.

- ▷ A geographically identified place is interpreted on a strict basis: two units belonging to the same enterprise at different locations (even within the smallest administrative unit of the Member State) are regarded as separate local units.
- ▷ If a person works in more than one place or at home, the local unit is taken to be place from which instructions emanate or from where the work is organised.

The concept of local unit relates to the operational definition of the *establishment* in ISIC Rev.3 as follows. A single local unit may carry out, at a single location, more than one kinds of activities. The operational definition of the establishment corresponds to the *local kind-of-activity unit (local KAU)*, i.e. the part of the enterprise KAU which corresponds to a local unit. As to the definition of enterprise KAU, it “groups all the parts of an enterprise contributing to the performance of an activity at class level (four digits) of NACE (REV 1.1) Rev. 1 and corresponds to one or more operational subdivisions of the enterprise”.

Annex 6: COMPANY CAR

Different approaches on how to impute a value for the use of a company car

A description of possible approaches

A. Direct approach

A1. Individual tax assessment of the benefit

Apparently the simplest and most direct approach is to ask directly for the amount of benefit for which the recipient is assessed for tax purposes.

Advantages

- Very simple approach. Only two questions are needed:
 1. Whether there is private use of company car, and if so,
 2. the corresponding amount assessed for tax (this amount should be taken into account the associated cost).
- Furthermore, no modelling or collection of secondary information is required. (In any case, in the presence of item non-response to the question, the alternative series of questions described below can (and should) be followed for the respondents concerned in the same survey).

Drawbacks

- It may be subjected to large levels of non-response and/or response errors; and possibly also under-coverage (benefits not being reported, especially if not taxed).
- Secondly, that the approach depends entirely on national taxation rules.

A2. Car allowance

While the purchase and provision by the employer of an actual vehicle at least partly for private use is the normal form in which the benefit is provided, sometimes the benefit is simply in the form of a regular (such as monthly) cash allowance along with normal salary. It is even possible that there is no reference to any specific "company car". In this situation the direct approach in terms of the additional income as assessed for income tax purposes is the only possible approach.

Another important point to note is that in a survey, a benefit in this form may already have been included in the reported income from work, and care is needed to avoid double counting. Sometimes, the employee has to forgo reimbursement of certain travel expenses as a consequence of receiving a car allowance, expenses which would normally be claimed in the absence of such an allowance. In principle, such expenses should be deducted from the allowance to obtain the *net* level of benefits received. The amount of benefit assessed for tax purposes is again likely to be the most direct and convenient source of this information.

B. Indirect or modelling approaches

The second approach is to begin with obtaining information on characteristics of the company car. These characteristics are then used to determine the "utility" which the benefit has for the recipient per unit of time (such as over a year). Exactly which characteristics are collected

depends very much on the model or the approach used for this conversion. Basically there are two types of "indirect" approaches:

B1. Conversion using tax rules

One is to use national tax rules to make this conversion. This differs from the direct approach (A) in that here *tax-related information is not sought from individual respondents, but is compiled at the macro-level outside the survey* – hence it does not involve increased response burden.

Advantages

- The approach is also likely to be less prone to response, non-response and coverage errors than the direct approach.
- It is still relatively simple: either the characteristics of interest such as make, model and registration year of the car or the associated cost are easily reported¹.

Drawbacks

- Comparability problems (using the value of the benefit as assessed by the tax authorities, since this value is likely to vary by country).
- the approach does depend on national tax rules, and it is not quite in line with the hitherto stated preference for EU-SILC.

B2. Valuation on the basis of accrued saving

An alternative approach would be to value the benefit of private use of company car in terms of *the amount the recipient would have to pay over the reference period to enjoy the same benefit from the use of own vehicle*.

Seen in the above mentioned terms, the benefit equals the sum of:

- (i) **Depreciation** over the reference period in the capital value of the car, *plus*
- (ii) coverage by the employer of other costs which would normally fall on the user of his/her own car. The latter may cover car insurance and possibly maintenance and major repair costs, but would normally exclude fuel and other running costs.

The idea is not to collect (i) and (ii) from individual respondents, but to use external sources to construct suitable average schedules for these.

Advantages

- The approach is independent of the national tax rules.
- Its comparability is affected by national differences in prices of the identical vehicles, both as a result of differences in sales taxes and in market conditions (these differences can be considered legitimate, as they reflect actual differences in prices, and hence differences in the value of the derived benefit).

Drawbacks

¹ the specific characteristics need to be collected depend on what is required for the application of the tax assessment rules in the country concerned.

Normally, it may be simpler to collect information from the respondent on physical characteristics (make, model, year, etc.) of the company car, than on the current prices. If information on prices is needed for the purpose of tax assessment, then it may be compiled externally as a function of the physical characteristics (see B.2)

- To construct a *depreciation schedule*, i.e. a model of the decline in the market value of the car over time.
- It requires a manual codification of model, make, etc to compare with external sources.

The depreciation method

How to calculate depreciation schedule?

The main requirement is to construct a ‘depreciation model’.

The idea is to impute to the employee the amount the recipient would have to pay over the reference period to enjoy the same benefit from the use of own vehicle.

$$\text{Depreciation} = \frac{\text{Purchase prices} - \text{selling prices at } X}{X}$$

Where X = ‘the average age of a company car’

Note. The selling price could be replaced by the ‘residual leasing value at X’.

To calculate the ‘Purchase price’ and the ‘selling price’, the make, the model, the registration year and other characteristics of the car can be used. As was already mentioned, such characteristics may be more readily collected in the surveys. List prices or manufacturer’s recommended retail prices (RRP) are readily available for a wide range of new cars. For instance, the Competition DG produces a list of manufacturers recommended retail prices by the manufacturer, make and model, in all the EU countries. If a type of car is not included in the list, the RRP should be available from the manufacturer’s website. If an RRP is not available for a particular country, then it could be estimated based on the price of a similar car or the price relative to other cars in a country with a similar pricing structure. The list price should include VAT and vehicle registration tax.

For calculating ‘the average age of a company car’, external information from enterprises can be used. If this information is not available an average of 5 could be considered.

An alternative method

An alternative method for valuating the benefit of private use of company car in terms of *the amount the recipient would have to pay over the reference period to enjoy the same benefit from the use of own vehicle*, could be the amount paid per year of renting a similar car for X years. This amount could be obtained from external sources (renting companies).

In the estimation of the value to be imputed, it is necessary to take into account if some of the associated cost (repairs, insurance, etc.) are included.

The extent of use

Valuation of the benefit derived from private use of company car also depends on the extent to which the provision is used during the period concerned. In principle, this extent of use is determined by (i) the *duration of use* during the reference period, and (ii) the *intensity of use* during that period.

Duration of use

This is easily measured in terms of the number of months during the reference year for which the company car was available for private use. This information may not be required in two special situations:

1. When the current income concept (rather than the concept of income during the reference year) is used, information on private use of company car is also obtained on a current basis, and its value is annualised in the same way as other income components.
2. When the "direct method" (method A described above) is used, it records the total amount of benefit for which the recipient is assessed for tax purposes during the reference period. That itself is the target variable, and hence no further information is required on the duration (or intensity) of private use¹.

In all other cases, the models described in the preceding section give the "utility per unit of time (year)", which has to be multiplied by the duration of use to obtain the amount of benefit actually received during the income reference period.

Intensity of use

It may appear that the last mentioned calculation should also take into account the intensity of private use during the period the vehicle is available for the purpose. The intensity may for instance be measured by the proportion of private use in the total use of company car, and/or mileage of private use.

However, even without reference to practical difficulties in obtaining such information in a survey, it can be argued *that it is not necessary or logical to introduce this factor*. The percentage of private in total use may, for instance, be determined mainly by the extent to which the employee is required to use the vehicle for work-related purposes, rather than by the extent of private use. Similarly, the mileage of private use may be determined largely by the persons private needs and preferences: restriction on the form or extent of private use are not common for company vehicles provided for the purpose. Hence it cannot be assumed that the level of private use of company car – whatever that level is in the particular circumstances of the person concerned – generally differs in any systematic way from what it would be with ones own car. The amount of benefit is the money saved from not using ones own car for the purpose.²

Conclusions

- It is not possible to have a single approach in all of countries.
- Although a method based on the assess for tax purposes implies relaxing the earlier stated intention that the approach should not depend on particularities of the national taxation systems, this approach is essentially the one applicable in situations where the information is obtained from registers, or where a regular allowance rather than actually a car is provided; and the approach is well-established in some other countries.

¹ The intention is not to exclude fuel if it is provided free for PRIVATE use of company car – certainly not in principle or as a matter of definition. But in practice, probably this provision is not common or at least not significant. In view of the need for simplicity ("Recommendation 1" above), we have indicated that it may be left out. In any case, component (ii) is to be estimated from external data (normally as a function of physical characteristics of the car), and hence if in a country free fuel is a significant part, then an average allowance may be included for it in the estimation of that component.

² The case is not all that dissimilar from the common one of personal computers. The cost of a PC and the rate of its depreciation - and hence in our hedonistic world its "value" to the individual - is the same whether the person uses it for intensive SAS computations all hours of the day or merely for video games at the week-end.



EUROPEAN COMMISSION
EUROSTAT

Directorate F: Social and information society statistics
Unit F-3: Living conditions and social protection



Luxembourg,
ESTAT F3/GRG D(2009)

EU-SILC MODULE 2007 ON HOUSING CONDITIONS

Assessment of the implementation

Meeting of the Indicators Sub-Group of the Social Protection Committee
23 September 2009

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0. EXECUTIVE SUMMARY

The Indicators Sub-Group of the Social Protection Committee will discuss at its meeting of 23rd September 2009, which SILC module should be re-launched (and improved) in 2012, hesitating between a re-edition of the 2006 (Social participation) or 2007 (Housing conditions) modules. The aim of this document is to present the characteristics, functioning and analysis of the results of the 2007 Module in order to provide the ISG with the necessary background information in order to take its decision. As soon as a decision is taken, Eurostat will invite interested countries to contribute to the work of a specific Task-Force which should have its first meeting in October or more likely November 2009.

The first significant outcome of the analysis is the fact that the most common answers are the same for most variables among countries but there are quite large differences in terms of percentages. The study also shows very positive findings like the following: 1. the flag 'not applicable' has been correctly used; and 2. there is no big problem of 'missing' values with only some exceptions. The only aspect that might be problematic comes from the analysis of some questionnaires which reveals that the wording of some questions or answers varies across countries. In general, countries did not face any major problems in implementing this Module and are in favour of repeating it incorporating some improvements.

After a brief introduction in section 1 on the main features of the Module 2007, section 2 focuses on the definitions agreed to describe the variables. Section 3 introduces each variable and an analysis of the frequencies for each value. In section 4 the flags are analysed, in particular the 'missing' and the 'not applicable' ones. Section 5 focuses on the wording of the questions asked in a group of countries. Section 6 sums up the comments received by the countries as first impressions/proposals about this Module. Finally, section 7 concludes this document with some suggestions and recommendations.

1. INTRODUCTION

The ad-hoc module on housing conditions was carried out in 2007 by the EU-27 countries plus Iceland and Norway¹. This document presents a first analysis of this Module.

The main characteristics of the Module 2007 are the following:

- Target variables: relate to two types of units: the household (all variables except those related to the 'change of dwelling'), and the household respondent (variables related to the 'change of dwelling').
- Mode of data collection: personal interview with the household respondent or register.
- Reference periods:
 - Usual: an ordinary winter/summer, in the area where the dwelling is located (for the variables 'dwelling comfortably warm during winter time' and 'dwelling comfortably cool during summer time')
 - Last two years (for the variables related to the 'change of dwelling')

¹ Other countries might have also carried out the Module but did not send the results to Eurostat.

- Current (for all other variables)
- Definitions: the description of the following definitions can be found in the section 'Analysis of the definitions'.
 - Shortage of space in dwelling
 - Dwelling installations and facilities
 - Accessibility of basic needs
 - Overall satisfaction with dwelling
 - Change of dwelling
- Target variables: the areas and description of target variables (listed below) can be found in the section 'Analysis of the variables'.
 - MH010: Shortage of space in dwelling
 - MH020: Adequate electrical installations
 - MH030: Adequate plumbing/water installations
 - MH040: Dwelling equipped with heating facilities
 - MH050: Dwelling comfortably warm during winter time
 - MH060: Dwelling equipped with air conditioning facilities
 - MH070: Dwelling comfortably cool during summer time
 - MH080: Overall satisfaction with dwelling
 - MH090: Accessibility of grocery services
 - MH100: Accessibility of banking services
 - MH110: Accessibility of postal services
 - MH120: Accessibility of public transport
 - MH130: Accessibility of primary health care services
 - MH140: Accessibility of compulsory school
 - MH150: Change of dwelling
 - MH160: Main reason for change of dwelling

2. ANALYSIS OF THE DEFINITIONS

This section describes the main definitions used in the description of the variables in the Module 2007.

➤ Shortage of space in dwelling

The variable *MH010 'Shortage of space in dwelling'* refers to the respondent's opinion/feeling concerning shortage of space in dwelling.

➤ Dwelling installations and facilities

- Electrical installations: wiring, contacts, sockets and other permanent electrical installations in the dwelling.
- Plumbing/water installations: pipes, taps, drainage and outlets.
- Central heating or similar: a housing unit is considered to be centrally heated if heating is provided either from a community heating centre or from an installation built in the building or in the housing unit, established for heating purposes, without regard to the source of energy. Fixed electrical radiators, fixed gas heaters and similar are included. The heating should be available in most rooms.

- This category contains fixed electrical radiators. So, if a dwelling is equipped with electrical panel heaters and if the heating is available in most rooms, then it will belong to this first category.
- Other fixed heating: a housing unit is considered heated by 'other fixed heating' when the heating is not considered as 'central heating/or similar'. It includes stoves, heaters, fireplaces and similar.
- No fixed heating: no fixed heating system or heating device. The dwelling could however be equipped with portable heating.
- Air conditioning facilities: systems for controlling, especially lowering, the temperature and humidity of an enclosed space; systems that keep air cool and dry. Simple fans are not considered as air conditioning.
- Adequate: sufficient to satisfy the general requirements/needs of the household. An installation which is permanently out of order is considered as no installation. Inadequate installations can be: installations in bad condition, dangerous installations, installations which are regularly out of order, where there is not enough electrical power/pressure for the water to be used, the water is not drinkable, or there is limited availability. Minor temporary problems such as a blockage in the outlet do not mean that the installation is inadequate.

➤ Accessibility of basic needs

Accessibility relates to the services used by the household with regard to financial, physical, technical and health conditions. The accessibility of the services is to be assessed in terms of physical and technical access and opening hours, but not in terms of quality, price and similar aspects. Consequently, the access should refer to an objective and physical reality. It should not be based on a subjective feeling.

The access should be determined in relation to the services actually used by the household. If the household does not use the service, flag -2 'Not applicable' should be used.

The physical access has to be assessed in terms of distance but also of infrastructure and equipment; for example, because of long distance, it takes too much time to get there, getting there is impossible.

If one member of the household has a disability but another member can easily access the service for him/her, the access to the service causes no problem for the household in the sense that it doesn't represent any burden for the household, consequently the service would be considered to be easily accessible by the household.

On the other hand, if one member of the household has a disability and can hardly access a service (which he needs as an individual) and he/she lives alone or the household has no resource available to provide him/her support (e.g. if no other member can easily access the service for him/her), or it really represents a burden for the household, in this case the access to the service would be considered difficult for the household.

The accessibility has to be evaluated according to the facility/difficulty to obtain the daily products (to fill the fridge) regardless as to whether it is done by internet, phone or 'ordinary shopping'.

The services provided at home should also be taken into account, if they are actually used by the household. The accessibility has thus to be evaluated regardless as to how the household accesses the service.

For banking services, the technical access could also intervene. The accessibility in terms of phone-banking and PC-banking should also be part of the assessment, if these methods are actually used by the household. The accessibility has to be evaluated according to the facility/difficulty to transfer, withdraw money... regardless of whether or not it is done by phone-banking, PC-banking or in a bank.

For public transport, as the accessibility should be assessed in terms of physical and technical access, if the respondent or another household member has a physical disability and if the available public transport is not adapted to his/her disability, a difficulty in accessibility should be recorded. In addition, if the public transport is too far away or has a restricted timetable, the access would also be considered difficult.

For compulsory school, the accessibility is assessed in relation to the school actually attended by the children of the household. If more than one child in the household is in compulsory school, the respondent should refer to the one with the most difficulty. This variable only concerns children whose age corresponds to the compulsory school attendance in the country and not to the other children even if the majority of them go to school².

The respondent should give an answer for the household as a whole. If the respondent doesn't use a service but other household member(s) do, the respondent should assess the accessibility according to this (these) other household member(s).

- Grocery services: services which can provide most of the daily needs.
- Banking services: withdraw cash, transfer money and pay bills.
- Postal services: send and receive ordinary and parcel post.
- Public transport: bus, metro, tram and similar.
- Primary health care services: general practitioner, primary health centre, a casualty department or similar where first-aid treatment could be received.
- Compulsory schools: if more than one child in the household is in compulsory school the respondent should refer to the one with the most difficulty.

➤ Overall satisfaction with dwelling

The variable *MH080 'Overall satisfaction with dwelling'* refers to the respondent's opinion/feeling about the degree of satisfaction with the dwelling in terms of meeting the household needs/opinion on the price, space, neighbourhood, distance to work, quality and other aspects.

➤ Change of dwelling

- Family-related reasons: change in marital/partnership status. To establish own household. To follow partner/parents. To obtain better school or care facilities for children or other dependants.
- Employment-related reasons: start new job or transfer of existing job. Looking for work or made redundant. To be closer to work/easier to commute. Retirement.

² For example in Luxembourg, where the compulsory school attendance is fixed from 4 years until 15 years, the household has to evaluate the school accessibility only for the children (member of the household) aged from 4 until 15. Children aged from 16 to 18 must not be taken into account even if nearly all of them in the country attend the school.

- Housing-related reasons: desire to change accommodation or tenure status. Wanting new or better house/apartment. Seeking better neighbourhood/less crime.
- Eviction/distrain: forced to move for legal reasons.
- Landlord did not prolong the contract: non renewal of contract, short-term contract.
- Financial reasons: problems paying rent/mortgage.
- Other reasons: to attend or leave college/university, health and other reasons.
- The reference period is 'the last two years'. If there have been several changes of dwelling, the main reason for the most recent change should be given.

3. ANALYSIS OF THE VARIABLES

In this section we include a description of each variable and an analysis of the frequencies of the answers. Each subsection focuses on one variable.

This analysis has two objectives. The first one is to investigate whether, for each variable, the chosen categories provide a reasonable and useful breakdown of the population. The second objective is to identify large variations in the distribution across countries. On one hand, such variation is interesting and makes the variable more useful in understanding differences in national situations. On the other hand, large variations across countries could reflect lack of comparability resulting from conceptual and/or methodological differences in the surveys.

In order to carry out the analysis of the frequencies we will use the data on the following table. This table summarises the simple average of percentage distribution over countries (EU-27 countries plus Iceland and Norway), with the standard deviation and coefficient of variation for each variable. It is useful to examine categories of extreme size and also incidences of pronounced dispersion across countries. Also important is to examine in more detail where this variability comes from: which variables and in which countries tend to be very different from the average pattern.

The complete table with the distribution of filled values for each variable and all countries can be found in the annex.

Table 1: Distribution of 'filled' values for each variable: simple average, standard deviation and coefficient of variation

MH010: Shortage of space in dwelling			
	Mean	StDev	cv
1: Yes	14.9	5.2	0.35
2: No	85.1	5.2	0.06

MH020: Adequate electrical installations			
	Mean	StDev	cv
1: Yes	93.5	3.7	0.04
2: No	6.5	3.7	0.56

MH030: Adequate plumbing/water installation			
	Mean	StDev	cv
1: Yes	92.7	3.8	0.04
2: No	7.3	3.8	0.52

MH040: Dwelling equipped with heating facilities			
	Mean	StDev	cv
1: Yes, central heating or similar	74.5	27.1	0.36
2: Yes, other fixed heating	16.2	14.9	0.92
3: No, no fixed heating	9.3	19.4	2.09

MH050: Dwelling comfortably warm during winter			
	Mean	StDev	cv
1: Yes	84.1	11.9	0.14
2: No	15.9	11.9	0.75

MH060: Dwelling equipped with air conditioning facilities			
	Mean	StDev	cv
1: Yes	11.9	17.9	1.51
2: No	88.1	17.9	0.20

MH070: Dwelling comfortably cool during summer time			
	Mean	StDev	cv
1: Yes	75.6	10.9	0.14
2: No	24.4	10.9	0.45

MH080: Overall satisfaction with dwelling			
	Mean	StDev	cv
1: Very dissatisfied	4.0	3.1	0.77
2: Somewhat dissatisfied	13.0	13.6	1.05
3: Satisfied	52.1	15.0	0.29
4: Very satisfied	30.9	20.67	0.67

MH090: Accessibility of grocery services			
	Mean	StDev	cv
1: with great difficulty	2.7	1.6	0.57
2: with some difficulty	9.0	4.2	0.47
3: easily	47.8	14.1	0.29
4: very easily	40.5	16.62	0.41

MH100: Accessibility of banking services			
	Mean	StDev	cv
1: with great difficulty	4.8	3.1	0.65
2: with some difficulty	15.5	8.1	0.53
3: easily	46.5	10.0	0.22
4: very easily	33.3	16.64	0.50

MH110: Accessibility of postal services			
	Mean	StDev	cv
1: with great difficulty	4.1	2.0	0.49
2: with some difficulty	15.4	5.9	0.38
3: easily	50.9	9.3	0.18
4: very easily	29.6	13.11	0.44

MH120: Accessibility of public transports			
	Mean	StDev	cv
1: with great difficulty	6.6	4.7	0.72
2: with some difficulty	14.2	3.5	0.25
3: easily	47.1	11.7	0.25
4: very easily	32.1	14.16	0.44

MH130: Accessibility of primary health care services			
	Mean	StDev	cv
1: with great difficulty	4.3	2.4	0.56
2: with some difficulty	16.4	6.8	0.42
3: easily	51.5	8.9	0.17
4: very easily	27.9	14.91	0.53

MH140: Accessibility of compulsory school			
	Mean	StDev	cv
1: with great difficulty	2.6	1.5	0.59
2: with some difficulty	11.2	4.2	0.37
3: easily	52.5	12.8	0.24
4: very easily	33.7	16.59	0.49

MH150: Change of dwelling in the last two years			
	Mean	StDev	cv
1: Yes	9.7	7.0	0.72
2: No	90.3	7.0	0.08

MH160: Main reason for change of dwelling			
	Mean	StDev	cv
1: Family related reasons	33.3	9.1	0.27
2: Employment related reasons	9.3	3.9	0.42
3: Housing related reasons	33.7	9.2	0.27
4: Eviction/distrainment	1.3	1.09	0.86
5: Landlord did not prolong the contract	3.2	2.6	0.79
6: Financial reasons	3.5	2.16	0.61
7: Other	16.2	11.6	0.72

3.1. MH010 – Shortage of space in dwelling

Values	
1	yes
2	no
Flags	
1	filled
-1	missing

This variable refers to the respondent's opinion/feeling about shortage of space in the dwelling.

The objective is to assess whether the respondent feels that space is a problem for the household. No common objective standards as to what constraints as 'problem' are implied.

One variable which measures the exposure to over-crowding is the primary target variable *HH030 'Number of rooms available to household'*. In the module 2007 the variable *MH010 'Shortage of space in dwelling'* considers the aspects of the size of rooms and the plan of the dwelling, as these have an impact on the usability of a room. An objective measure of the over-crowding could be obtained with the record of the square meters, but as the measurement of square meters is not commonly used in all countries, this subjective variable "Shortage of space" was selected for the module 2007. This variable has been used in ECHP without problem and with good results. For the module 2009 on "Material deprivation", both the variables on "Shortage of space" and "Square meters" were selected but the second one was defined as optional, to take account of the unusual character of this concept in some countries.

The analysis of the frequencies reveals that there are no major differences among countries. The average of shortage of space ('yes' answer) is 15%, with a standard deviation of 5. Countries corresponding to the highest occurrence of 'yes' are Latvia and Bulgaria, with resp. 26% and 25%. On the other hand, Germany, Iceland, Belgium and Malta had the lowest occurrence of 'yes' (between 7% and 9%).

3.2. MH020 – Adequate electrical installations

Values	
1	yes
2	no
Flags	
1	filled
-1	missing
-2	not applicable (no electricity/installations)

The electrical installations refer to wiring, contacts, sockets and other permanent electrical installations in the dwelling. The objective is to measure the household respondent's experience of the conditions of the electrical installation in his/her dwelling. Most dwellings in the Member States are equipped with electrical installations but if these installations are in poor condition for the household's needs, it is an expression of housing deprivation.

The term 'adequate' means sufficient; to satisfy the general requirements/needs of the household. An installation which is permanently out of order is considered as no installation.

Inadequate installations can be: installations in poor condition, dangerous installations, installations which are regularly out of order, where there is not enough electrical power or there is limited availability.

Minor temporary problems such as a blockage in the outlet do not mean that the installation is inadequate. We are only interested in the installations of the dwelling or installations in direct connection with the dwelling. Power cuts and limitations due to problems in power plants should not be included.

To avoid this variable becoming too technical, it is important to stress that we are not interested in a professional judgement of the installations, which can only be done by an electrician, but we are instead interested in the household respondent's experience of the conditions of the installation. Hence it can be possible that a household respondent who has not experienced any problem with the installations will rate them as 'good' while a professional would condemn the same installations.

The frequencies for this variable show a high level of 'yes' (adequate electric installations), with a simple average of 94% and a standard deviation of only 4. For the 'yes' the upper frequencies can be found in The Netherlands (98%), Slovenia (99%) and Hungary (99.8%). Italy and Portugal correspond to the lowest frequencies (86% and 85%).

3.3. MH030 – Adequate plumbing/water installations

Values	
1	yes
2	no

Flags	
1	filled
-1	missing
-2	not applicable (no plumbing/water installations)

The plumbing/water installations refer to pipes, taps, drainage and outlets. The objective is to measure the household respondent's experience of the conditions of the plumbing/water installation in his/her dwelling. Most dwellings in the Member States are equipped with plumbing/water installations but if these installations are in poor condition for the household's needs, it is an expression of housing deprivation.

The term 'adequate' means sufficient to satisfy the general requirements/needs of the household. An installation which is permanently out of order is considered as no installation.

Inadequate installations can be: installations in poor condition, dangerous installations, installations which are regularly out of order, where there is not enough pressure for the water to be used, the water is not drinkable, or there is limited availability.

Minor temporary problems such as a blockage in the outlet do not mean that the installation is inadequate. We are only interested in the installations of the dwelling or installations in direct connection with the dwelling. Water cuts and limitations due to problems in water plants should not be included.

To avoid this variable becoming too technical, it is important to stress that we are not interested in a professional judgement of the installations, which can only be done by a plumber, but we are interested in the household respondent's experience of the conditions of the installation. Hence it can be possible that a household respondent who has not experienced any problem with the installations will rate them as 'good' while a professional would condemn the same installations.

This variable shows a high percentage of 'yes' (adequate plumbing/water installations), with average 93% and standard deviation 4. Countries with the upper level of 'yes' are Slovenia (98%), Austria (98%) and Norway (99%) while countries with the lower level of 'yes' are Latvia (83%); Portugal (85%) and France (86%)

3.4. MH040 – Dwelling equipped with heating facilities

Values	
1	yes - central heating or similar
2	yes - other fixed heating
3	no - no fixed heating

Flags	
1	filled
-1	missing

This variable should refer to the degree of comfort of the dwelling, the first category corresponding to the most comfortable and the third category to the least comfortable.

When deciding if a dwelling belongs to the first category, a key element should be the availability of heating in most rooms.

If different modes of heating are combined, the aspect of 'degree of comfort' must be kept in mind. If the combination allows a high level of comfort and if heating is available in most rooms, the first category should be chosen. An example of this situation is a fireplace (in the living room) combined with panel heaters (in the other rooms).

A detailed description of the three categories can be consulted in the section above on 'Analysis of the definitions'.

The analysis of the frequencies show that the modality 'yes, central heating or similar' has the highest average among countries (75%) but with a large standard deviation (27) mainly attributable to the low frequencies in Bulgaria (21%), Portugal (5%) or Malta (2%). The two other modalities ('yes, other fixed heating' and 'no, no fixed heating') also present large standard deviations among countries. This variable is completely missing for Romania (but it is asked in the questionnaire).

3.5. MH050 – Dwelling comfortably warm during winter time

Values	
1	yes
2	no
Flags	
1	filled
-1	missing

This variable refers to the equipment of the dwelling in terms of heating system and insulation.

The concern of this variable covers the following two concepts: 'Is the heating system efficient enough to keep the dwelling warm?' and 'Is the dwelling sufficiently insulated against the cold?' These two concepts should be kept in mind by the interviewers but the two questions do not have to be explicitly recorded in the questionnaire. The central point concerns the general state of the dwelling, i.e. is the condition of the dwelling good enough to allow that it is comfortably warm during winter time.

It should not be confused with the core variable *HH050 'Ability to keep home adequately warm'* which refers to the financial resources of the household and for which the concern could be expressed as: 'Does the household have sufficient financial resources to keep its dwelling sufficiently warm during winter time?'

The analysis of the frequencies shows that the value 'yes' has a simple average of 84% with a large standard deviation of 12. The 'yes' value is more frequent in all countries with the only exception of Portugal ('yes' = 43%). This variable is completely missing for Ireland.

3.6. MH060 – Dwelling equipped with air conditioning facilities

Values	
1	yes
2	no
Flags	
1	filled
-1	missing

The air conditioning facilities are systems for controlling, especially lowering, the temperature and humidity of an enclosed space. These are systems that keep air cool and dry. Simple fans are not considered as air conditioning.

The frequencies for this variable show large differences among countries: the average for 'yes' is 12% but the standard deviation is 18. The upper percentages for 'yes' are found in Greece (49%), Malta (50%) and Cyprus (73%) and the lower percentages in Poland (0.9%), Czech Republic (0.8%) and Ireland (0.4%).

3.7. MH070 – Dwelling comfortably cool during summer time

Values	
1	yes
2	no
Flags	
1	filled
-1	missing

This variable refers to the equipment of the dwelling in terms of insulation and cooling system.

The concern of this variable is the following: 'Is the cooling system efficient enough to keep the dwelling cool?' and/or 'Is the dwelling sufficiently insulated against the heat?'

The analysis of the frequencies reveals that there are quite large differences among countries. The percentage for the modality 'yes' is larger for all countries compared to the 'no', with an average of 76% for the 'yes' and a standard deviation of 11. The most dissimilar percentages are found in Iceland (97% of 'yes') and Ireland (92%), for the upper side, and Poland (59%) and Portugal (58%) for the lower side. There is no data for Romania.

3.8. MH080 – Overall satisfaction with dwelling

Values	
1	very dissatisfied
2	somewhat dissatisfied
3	satisfied
4	very satisfied
Flags	
1	filled
-1	missing

The variable refers to the respondent's opinion/feeling about the degree of satisfaction with the dwelling in terms of meeting the household needs/opinion on the price, space, neighbourhood, distance to work, quality and other aspects.

On average the most frequent answers are the 'positive' ones: 52% for 'satisfied' (standard deviation 15) and 31% for 'very satisfied' (standard deviation 21). The main exception for this rule is Romania where the most frequent answer is 'somewhat dissatisfied' (73%) and there are no 'very satisfied'. Nevertheless, the analysis of the questionnaires in the next section will reveal that the wording of the question and the answers offered in Romania make these results incomparable with the other countries. Let us point out the high frequency of the modality 'very satisfied' in Iceland (72%), Denmark (66%) and The Netherlands (64%) as well as the high frequency of 'very dissatisfied' in Hungary (12%) and Germany (10%).

3.9. MH090 – Accessibility of grocery services

Values	
1	with great difficulty
2	with some difficulty
3	easily
4	very easily
Flags	
1	filled
-1	missing
-2	n/a (services not used by household)

About the concepts of 'accessibility' and 'grocery services' see explanations in the section above on 'Analysis of the definitions'.

The frequencies reveal that the most common answers are 'easily' (average 48%, standard deviation 14) and 'very easily' (average 41%, standard deviation 17). In Romania the frequencies for 'with great difficulty' and 'very easily' are zero. The analysis of the questionnaire in the section below shows that this discrepancy with other countries is due to the presence of only two answer modalities in the Romanian questionnaire. This leads to a very high frequency of the modality 'easily' in Romania (97%) compared to other countries.

3.10. MH100 – Accessibility of banking services

Values	
1	with great difficulty
2	with some difficulty
3	easily
4	very easily
Flags	
1	filled
-1	missing
-2	n/a (services not used by household)

About the concepts of 'accessibility' and 'banking services' see explanations in the section above on 'Analysis of the definitions'.

On average the most frequent answers are 'easily' (average 47%, standard deviation 10) and 'very easily' (average 33%, standard deviation 17). In Romania 'very easily' has a frequency of zero. The analysis of the questionnaire in the section below shows that this discrepancy with other countries is due to the presence of only three answer modalities in the Romanian questionnaire. The obtained frequency for the modality 'with some difficulty' in Romania is very high (44%) compared to the one of the other countries.

3.11. MH110 – Accessibility of postal services

Values	
1	with great difficulty
2	with some difficulty
3	easily
4	very easily
Flags	
1	filled
-1	missing
-2	n/a (services not used by household)

About the concepts of 'accessibility' and 'postal services' see explanations in the section above on 'Analysis of the definitions'.

On average the most frequent answers are: 'easily' (average 51%, standard deviation 9) and 'very easily' (average 30%, standard deviation 13). The main exception is Romania where the frequency for 'very easily' is zero. The analysis of the questionnaire in the section below shows that this discrepancy with other countries is due to the presence of only three answer modalities in the Romanian questionnaire. The frequency of the answer 'with some difficulty' in Romania is consequently high (35%) in comparison with the other countries

3.12. MH120 – Accessibility of public transport

Values	
1	with great difficulty
2	with some difficulty
3	easily
4	very easily
Flags	
1	filled
-1	missing
-2	n/a (services not used by household)

About the concepts of 'accessibility' and 'public transport' see explanations in the section above on 'Analysis of the definitions'.

On average the most frequent answers are: 'easily' (average 47%, standard deviation 12) and 'very easily' (average 32%, standard deviation 14). The main exceptions are: Romania where the frequency for 'very easily' is zero and the one for 'easily' is more than 80% (the analysis of the questionnaire in a section below shows that this discrepancy with other countries is due to the presence of only three answer modalities in Romania); and Cyprus where 'with great difficulty' is extremely high (27%) and 'very easily' is extremely low (9%), compared with the other countries.

3.13. MH130 – Accessibility of primary health care services

Values	
1	with great difficulty
2	with some difficulty
3	easily
4	very easily

Flags	
1	filled
-1	missing
-2	n/a (services not used by household)

About the concepts of 'accessibility' and 'primary health care services' see explanations in the section above on 'Analysis of the definitions'.

The most frequent answer, on average, is 'easily' (52%, standard deviation 9), followed by 'very easily' (28%, standard deviation 15) and 'with some difficulty' (16%, standard deviation 7). In Romania the frequency for 'very easily' is zero and the frequency for 'easily' is quite high (70%) compared to other countries. The analysis of the questionnaire in the section below shows that this discrepancy with other countries is due to, as for the preceding variables, the presence of only three answer modalities in Romania.

3.14. MH140 – Accessibility of compulsory school

Values	
1	with great difficulty
2	with some difficulty
3	easily
4	very easily

Flags	
1	filled
-1	missing
-2	n/a (services not used by household)

About the concepts of 'accessibility' and 'compulsory school' see explanations in the section above on 'Analysis of the definitions'.

On average the most frequent values are 'easily' (average 53%, standard deviation 13) and 'very easily' (average 34%, standard deviation 17). There are extremely low frequencies for 'very easily' in Latvia (9.5%) and Romania (0%). A high frequency for 'easily' (more than 80%) is recorded for Romania. The analysis of the questionnaire from Romania in the section below shows that this discrepancy with other countries is due to the presence of only three answer modalities.

3.15. MH150 – Change of dwelling

Values	
1	yes
2	no
Flags	
1	filled
-1	missing

The reference period is ‘the last two years’.

This variable records if there has been at least one change of dwelling during the last two years.

The most frequent answer is 'no' with an average 90% (standard deviation 7). The frequency of 'yes' is particularly high in Iceland (28%), followed by Sweden and Norway (23%) On the other hand, this one is extremely low in Slovenia (3%), Romania (2%) and Malta (2%).

3.16. MH160 – Main reason for change of dwelling

Values	
1	family related reasons
2	employment related reasons
3	housing related reasons
4	eviction/dstraint
5	landlord did not prolong the contract
6	financial reasons
7	other
Flags	
1	filled
-1	missing
-2	n/a (MH150 not = 1)

The reference period is ‘the last two years’.

If there have been several changes of dwelling during the reference period, the main reason for the most recent change should be given.

The seven categories are described in detail in the section above on 'Analysis of the definitions'.

The most frequent answers, on average, are: 'family related reasons' (average 33%, standard deviation 9) and 'housing related reasons' (average 34%, standard deviation 9). In Bulgaria, the 'housing related reasons' is extremely low (11%) compared with the average (34%) and the 'landlord did not prolong the contract' is extremely high (14%) compared to the average (3%). France also experiences a relatively high occurrence of the modality the 'landlord did not prolong the contract' (7%) compared to the other countries. Germany and Austria correspond to a relative high frequency of the modality 'financial reasons' (8 and 9%). In Malta the most frequent answer is 'other' (51%). There is no data at all for Romania. It should be taken into account that these two last countries had only 2% of 'yes' answer to the preceding question, which is a filter for the present variable. However, it is worth keeping in mind that the modality 'other' is important/large for

several countries, namely The Netherlands (with more than 40%), Bulgaria, Ireland, Spain and Norway (with more than 20%), additional to Malta and Iceland (with more than 30%).

3.17. Core points on the analysis of the frequencies

- For *MH010* (Shortage of space in dwelling) the most common answer is no, with an average above 80% and no major differences among countries.
- For *MH020* (Adequate electrical installations) and *MH030* (Adequate plumbing/water installations) in all countries the most common answer is 'yes', with an average over 90% and no major differences among countries.
- For *MH040* (Dwelling equipped with heating facilities) the most frequent answer is 'yes, central heating or similar' but with large differences among countries. In addition, for *MH050* (Dwelling comfortably warm during winter time) the 'yes' is more frequent (over 80%). For both variables there are large differences among countries.
- For *MH060* (Dwelling equipped with air conditioning facilities) the majority is of 'no' but for *MH070* (Dwelling comfortably cool during summer time) the percentage for 'yes' is larger for all countries compared to the 'no', with an average over 70%. For both variables there are large differences among countries.
- For *MH080* (Overall satisfaction with dwelling) in the majority of countries the 'positive' answers as the most frequent ones (over 50% for 'satisfied' and over 30% for 'very satisfied'). but with large differences among countries.
- For the variables about the 'accessibility' (*MH090* - Accessibility of grocery services, *MH100* - Accessibility of banking services, *MH110* - Accessibility of postal services, *MH120* - Accessibility of public transport, *MH130* - Accessibility of primary health care services, *MH140* - Accessibility of compulsory school) the most frequent answers are 'easily' (around 50%) and 'very easily' (around 30%) but with large differences among countries.
- For *MH150* (Change of dwelling) the most frequent answer is 'no' and for those that did change dwelling, the *MH160* (Main reason for change of dwelling) most frequent answers are: 'family related reasons and 'housing related reasons'.

4. ANALYSIS OF THE FLAGS

In this section the flags used in the Module 2007 are analysed, in particular the flags 'Not applicable' (flag -2) and 'Missing' (flag -1). A table of all flags by country and by variable can be found in the annex.

4.1. Flag 'Not applicable'

This flag appears in nine variables. For analysis purposes, the variables with this flag can be grouped as follows:

- Group 1. Two variables when the facility is not available in the dwelling.
- Group 2. Six variables when the service is not used by the household.
- Group 3. One variable which should only be asked when there is a positive answer to another previous variable.

➤ Group 1. In this group we put together the variables that are 'not applicable' because the facility is not available in the dwelling. The variables concerned are *MH020 'Adequate electrical installations'* and *MH030 'Adequate plumbing/water installations'* and the variable is not applicable when there is no electricity installation (for *MH020*) or no running water installations (for *MH030*).

Table 2: Share of flag -2 (not applicable) in MH020 and MH030 among countries

% of flag -2	Number of countries	Countries
<i>MH020 – Adequate electrical installations</i>		
0%	14	BE, DK, DE, FR, CY, LU, HU, MT, AT, SI, FI, SE, UK, IS
Below 5%	15	BG, CZ, EE, IE, EL, ES, IT, LV, LT, NL, PL, PT, RO, SK, NO
Above 5%	0	
<i>MH030 – Adequate plumbing/water installation</i>		
0%	12	BE, DK, DE, FR, IT, CY, HU, MT, FI, SE, UK, IS
Below 5%	11	BG, CZ, IE, EL, ES, LU, NL, AT, SI, SK, NO
Above 5%	6	EE, LV, LT, PL, PT, RO

About *MH020*, we can conclude that the percentage of people declaring not having electricity installations is very low in all countries, as no countries correspond to an occurrence of flag -2 superior to 5% (see table 2 and annex 2). The percentage of people declaring not having electricity installations even equals zero (0 occurrence of flag -2) in half of the countries (in 14/29 countries).

Regarding *MH030* the percentage of persons without running water installations reached more than 5% of the population for six countries: Poland (5%), Portugal (13%), Estonia (13%), Lithuania (16%), Latvia (17 %) and Romania (43%). The percentage obtained for the last country is particularly high.

➤ Group 2. This group puts together the variables when the service is not used by the household. The concerned variables are *MH090 'Accessibility of grocery services'*, *MH100 'Accessibility of banking services'*, *MH110 'Accessibility of postal services'*, *MH120 'Accessibility of public transport'*, *MH130 'Accessibility of primary health care services'* and *MH140 'Accessibility of compulsory school'*.

Table 3: Share of flag -2 (not applicable) in MH090, MH100, MH110, MH120, MH130 and MH140 among countries

% of flag -2	Number of countries	Countries
<i>MH090 – Accessibility of grocery services</i>		
0%	11	DK, DE, EE, IE, FR, HU, RO, FI, UK, IS, NO
Below 5%	17	BE, BG, CZ, EL, ES, IT, CY, LV, LT, LU, MT, NL, AT, PL, SI, SK, SE
Above 5%	1	PT
<i>MH100 – Accessibility of banking services</i>		
0%	8	DK, IE, HU, RO, FI, UK, IS, NO
Below 5%	15	BE, DE, EE, EL, ES, FR, IT, CY, LU, MT, NL, AT, PL, SI, SE
Above 5%	6	BG, CZ, LV, LT, PT, SK

% of flag -2	Number of countries	Countries
<i>MHI10 – Accessibility of postal services</i>		
0%	7	DK, IE, HU, RO, UK, IS, NO
Below 5%	16	BE, CZ, DE, EE, EL, FR, IT, LU, MT, NL, AT, PL, SI, SK, FI, SE
Above 5%	6	BG, ES, CY, LV, LT, PT
<i>MHI20 – Accessibility of public transport</i>		
0%	6	DK, IE, HU, RO, IS, NO
Below 5%	6	BE, DE, AT, PL, SI, SK
Above 5%	17	BG, CZ, EE, EL, ES, FR, IT, CY, LV, LT, LU, MT, NL, PT, FI, SE, UK
<i>MHI30 – Accessibility of primary health care services</i>		
0%	7	DK, IE, HU, RO, UK, IS, NO
Below 5%	20	BE, BG, CZ, DE, EE, EL, FR, IT, CY, LV, LT, LU, MT, NL, AT, PL, SI, SK, FI, SE
Above 5%	2	ES, PT
<i>MHI40 – Accessibility of compulsory school</i>		
0%	1	RO
Below 5%	1	NO
Above 5%	27	BE, BG, CZ, DK, DE, EE, IE, EL, ES, FR, IT, CY, LV, LT, LU, HU, MT, NL, AT, PL, PT, SI, SK, FI, SE, UK, IS

As foreseen, the number of 'not applicable' cases is quite large for some of these variables, especially for *MHI40* as it only concerns children going to compulsory school. The analysis by variable is the following:

- *MHI090 – Accessibility of grocery services*: In almost all countries this service is generally used by households. Portugal is the only exception with 24% of 'not applicable'.
- *MHI100 – Accessibility of banking services*: Most countries use this service with the following main exceptions corresponding to high 'not applicable' cases: Bulgaria (23%), Latvia (26%), Lithuania (29%) and Portugal (41%).
- *MHI110 – Accessibility of postal services*: This service is in general highly used, with six exceptions: Lithuania (8%), Bulgaria (9%), Latvia (11%), Cyprus (14%), Spain (33%) and Portugal (39%).
- *MHI200 – Accessibility of public transport*: In most countries this service is not highly used. In particular, five countries have a percentage of 'not applicable' around or above 50%: Spain (45%), Portugal (45%), United Kingdom (48%), France (68%) and Cyprus (68%).
- *MHI300 – Accessibility of primary health care services*: Most countries use this service. The major exception is Portugal with 33% of 'not applicable'.
- *MHI400 – Accessibility of compulsory school*: This is the less used service in the countries, among the ones which are here analysed. High percentage of 'not applicable' was expected in all countries and the values in Romania (0%) and Norway (1%) are surprising, as this variable should only concern children going to compulsory school. In order to carry out a first rough analysis of this variable, we have compared the 'not applicable' frequency with the percentage of households with no children aged 5-15. The following table presents the figures for both variables:

Table 4: Households with no children aged 5-15 against MH140 'not applicable'

	BE	BG	CZ	DK	DE	EE	IE	EL	ES	FR
% of hhs with no children aged 5-15	78	78	81	74	81	77	78	81	77	77
% of MH140_F=-2	36	28	83	74	39	72	70	54	70	76
Difference	42	51	-2	-1	42	5	8	26	6	0

	IT	CY	LV	LT	LU	HU	MT	NL	AT	PL
% of hhs with no children aged 5-15	81	71	80	80	73	79	73	75	78	73
% of MH140_F=-2	63	69	82	80	71	76	64	74	80	49
Difference	18	2	-2	0	2	3	9	2	-2	24

	PT	RO	SI	SK	FI	SE	UK	IS	NO
% of hhs with no children aged 5-15	77	82	78	78	77	77	78	65	74
% of MH140_F=-2	77	0	73	74	76	79	78	65	1
Difference	0	82	4	4	0	-2	1	0	73

There seems to be a quite large discrepancy between these two variables in seven countries. As pointed out before, the values for Romania and Norway are unexpected and it could be useful to carry out further analysis on these countries. The low frequency of flag -2 ('not applicable') in five countries (Belgium, Bulgaria, Germany, Greece and Poland) compared with the higher percentage of households without children aged between 5 and 15 is also surprising. Nevertheless, we should not forget that the compulsory school ages may be different from 5 to 15 in the concerned countries.

In conclusion, it does not seem to be a problem in the use of the flag 'not applicable' for these variables with the only exception of *MH140*.

➤ Group 3. In this group we find one variable that should only be asked when there is a positive answer to another previous variable. The variable concerned is *MH160 'Main reason for change of dwelling'* and this variable should only be filled if the value of variable *MH150 'Change of dwelling'* is 1 ('yes'). Flag -2 in *MH160* should be only used when *MH150* is equal to 2 ('no') or is missing (flag -1). Consequently, the percentage of flag -2 in *MH160* should be equal to the sum of the percentage of value 2 (No) and the percentage of flag -1 (Missing) in *MH150*.

The analysis of this flag 'not applicable' reveals that it has been used correctly in all countries. The complete table with the cross-tabulation *MH150-MH160* can be consulted in the annex.

4.1.1. Core points on the analysis of the 'not applicable' flag

- The least used services according to the flag 'not applicable' are compulsory school and public transport.
- Five countries have zero percentage of 'not applicable' for almost all services with the only exception of 'compulsory school': Denmark, Ireland, Hungary, Iceland and Norway.
- In Romania it is like all services, even the compulsory are used by all interviewees because the percentage of 'not applicable' is zero for all these variables.
- For variable *MH140* there seems to be a problem with the flag 'not applicable' that need to be further analysed with more information from the countries.

4.2. Flag 'Missing'

In this section it is analysed the flag -1 which is used when the variable is not filled. This check will allow us to determine which variables were more difficult to implement by countries.

The following table presents the percentage of missing values by variable. The complete table can be consulted in the annex.

Table 5: Share of flag -1 (missing) in each variable of the Module 2007 among countries

% of flag -1	Number of countries	Countries
<i>MH010 – Shortage of space in dwelling</i>		
0%	12	BE, CZ, EE, IE, EL, FR, IT, CY, LT, PL, RO, SI
Below 5%	17	BG, DK, DE, ES, LV, LU, HU, MT, NL, AT, PT, SK, FI, SE, UK, IS, NO
Above 5%	0	
<i>MH020 – Adequate electrical installations</i>		
0%	12	BE, CZ, EL, IT, CY, LT, LU, AT, PL, RO, SI, SK
Below 5%	17	BG, DK, DE, EE, IE, ES, FR, LV, HU, MT, NL, PT, FI, SE, UK, IS, NO
Above 5%	0	
<i>MH030 – Adequate plumbing/water installation</i>		
0%	9	CZ, EL, CY, LT, AT, PL, RO, SI, SK
Below 5%	19	BE, BG, DK, DE, EE, IE, ES, FR, LV, LU, HU, MT, NL, PT, FI, SE, UK, IS, NO
Above 5%	1	IT
<i>MH040: Dwelling equipped with heating facilities</i>		
0%	10	BE, CZ, IE, EL, CY, LT, HU, AT, PL, SI,
Below 5%	17	BG, DK, DE, EE, ES, FR, LV, LU, MT, NL, PT, SK, FI, SE, UK, IS
Above 5%	2	IT, RO
<i>MH050: Dwelling comfortably warm during winter time</i>		
0%	10	CZ, EL, IT, CY, LT, MT, PL, RO, SI, SK
Below 5%	18	BE, BG, DK, DE, EE, ES, FR, LV, LU, HU, NL, AT, PT, FI, SE, UK, IS, NO
Above 5%	1	IE
<i>MH060: Dwelling equipped with air conditioning facilities</i>		
0%	14	BE, CZ, EE, IE, EL, IT, CY, LT, LU, AT, PL, RO, SI, SK
Below 5%	13	BG, DK, ES, FR, LV, HU, MT, NL, PT, SE, UK, IS, NO
Above 5%	2	DE, FI
<i>MH070: Dwelling comfortably cool during summer time</i>		
0%	8	CZ, EE, EL, IT, CY, LT, PL, SI
Below 5%	19	BE, DK, DE, IE, ES, FR, LV, LU, HU, MT, NL, AT, PT, SK, FI, SE, UK, IS, NO
Above 5%	2	BG, RO
<i>MH080: Overall satisfaction with dwelling</i>		
0%	9	CZ, EE, EL, IT, CY, LT, LU, PL, SI,
Below 5%	19	BE, DK, DE, IE, ES, FR, LV, HU, MT, NL,

% of flag -1	Number of countries	Countries
		AT, PT, RO, SK, FI, SE, UK, IS, NO
Above 5%	1	BG
<i>MH090 – Accessibility of grocery services</i>		
0%	11	BE, CZ, EE, EL, IT, CY, LT, AT, PL, RO, SI
Below 5%	18	BG, DK, DE, IE, ES, FR, LV, LU, HU, MT, NL, PT, SK, FI, SE, UK, IS, NO
Above 5%	0	
<i>MH100 – Accessibility of banking services</i>		
0%	18	BE, CZ, EE, EL, IT, CY, LT, AT, PL, RO, SI
Below 5%	11	BG, DK, DE, IE, ES, FR, LV, LU, HU, MT, NL, PT, SK, FI, SE, UK, IS, NO
Above 5%	0	
<i>MH110 – Accessibility of postal services</i>		
0%	10	CZ, EE, EL, IT, CY, LT, AT, PL, RO, SI
Below 5%	19	BE, BG, DK, DE, IE, ES, FR, LV, LU, HU, MT, NL, PT, SK, FI, SE, UK, IS, NO
Above 5%	0	
<i>MH120 – Accessibility of public transport</i>		
0%	10	CZ, EE, EL, IT, CY, LT, AT, PL, RO, SI
Below 5%	18	BE, BG, DK, DE, IE, ES, FR, LV, LU, HU, MT, NL, PT, SK, FI, SE, UK
Above 5%	1	IS
<i>MH130 – Accessibility of primary health care services</i>		
0%	9	CZ, EE, EL, IT, CY, LT, PL, RO, SI
Below 5%	20	BE, BG, DK, DE, IE, ES, FR, LV, LU, HU, MT, NL, AT, PT, SK, FI, SE, UK, IS, NO
Above 5%	0	
<i>MH140 – Accessibility of compulsory school</i>		
0%	9	CZ, EE, EL, IT, CY, LT, PL, RO, SI
Below 5%	18	BE, DK, DE, IE, ES, FR, LV, LU, HU, MT, NL, AT, PT, SK, FI, SE, UK, IS
Above 5%	2	BG, NO
<i>MH150: Change of dwelling</i>		
0%	15	BE, CZ, DE, EE, EL, IT, CY, LT, LU, HU, NL, PL, RO, SI, SK
Below 5%	14	BG, DK, IE, ES, FR, LV, MT, AT, PT, FI, SE, UK, IS, NO
Above 5%	0	
<i>MH160: Main reason for change of dwelling</i>		
0%	13	BE, CZ, IE, EL, IT, CY, LV, LT, PL, PT, SI, SK, UK
Below 5%	16	BG, DK, DE, EE, ES, FR, LU, HU, MT, NL, AT, RO, FI, SE, IS, NO,
Above 5%	0	

From this table we can extract the following conclusions by variable:

- *MH010 – Shortage of space in dwelling*: In general there does not seem to be any problem with filling this variable.

- *MH020 – Adequate electrical installations*: In general there does not seem to be any problem with filling this variable.
- *MH030 – Adequate plumbing/water installation*: In general there does not seem to be any problem with filling this variable, with only the exception of Italy (10% of missing).
- *MH040: Dwelling equipped with heating facilities*: In general there does not seem to be any problem with filling this variable, with the only exceptions of Italy (7% of missing) and Romania where this variable is completely missing.
- *MH050: Dwelling comfortably warm during winter time*: In general there does not seem to be any problem with filling this variable, with the only exception of Ireland where this variable is completely missing.
- *MH060: Dwelling equipped with air conditioning facilities*: In general there does not seem to be any problem with filling this variable, with the exception of Germany (9% of missing) and Finland (43%).
- *MH070: Dwelling comfortably cool during summer time*: In general there does not seem to be any problem with filling this variable, with two exceptions: Bulgaria (93% of missing) and Romania (100%).
- *MH080: Overall satisfaction with dwelling*: In general there does not seem to be any problem with filling this variable, with the only exception of Bulgaria (11% of missing).
- *MH090 – Accessibility of grocery services*: In general there does not seem to be any problem with filling this variable.
- *MH100 – Accessibility of banking services*: In general there does not seem to be any problem with filling this variable.
- *MH110 – Accessibility of postal services*: In general there does not seem to be any problem with filling this variable.
- *MH120 – Accessibility of public transport*: In general there does not seem to be any problem with filling this variable.
- *MH130 – Accessibility of primary health care services*: In general there does not seem to be any problem with filling this variable.
- *MH140 – Accessibility of compulsory school*: In general there does not seem to be any problem with filling this variable, with two exceptions: Bulgaria (16% missing) and Norway (74%).
- *MH150: Change of dwelling*: In general there does not seem to be any problem with filling this variable.
- *MH160: Main reason for change of dwelling*: In general there does not seem to be any problem with filling this variable.

4.2.1. Core points on the analysis of the missing values

The analysis of the missing values by variable gives the impression that there are no major problems collecting the variables of the Module 2007. There are one or two exceptions for some variables that need to be investigated further with additional information from the countries.

By country, the key conclusions are the following:

- Six countries have no missing values at all: Czech Republic, Greece, Cyprus, Lithuania, Poland and Slovenia.
- Sixteen countries have a very low or even zero missing values in all variables: Belgium, Denmark, Estonia, Spain, France, Latvia (almost all the variables have around 4% of missing values, with only two exceptions), Luxembourg, Hungary, Malta, The Netherlands, Austria, Portugal, Slovakia, Sweden, United Kingdom and Iceland.
- In Bulgaria it seems to be a problem with three variables: *MH070* (93% of missing), *MH080* (11%) and *MH140* (16%).
- In Germany the problem is variable *MH060* (9% missing).
- In Ireland the whole variable *MH050* is missing.
- In Italy there are no missing variables except for *MH030* (10%) and *MH040* (7%).
- In Romania two variables are completely missing: *MH040* and *MH070*.
- In Finland one variable has a large number missing: *MH060* (43%).
- In Norway one variable appears with a high number of missing values: *MH140* (74%).

5. ANALYSIS OF THE QUESTIONNAIRES

In this section we present the different questions used by some countries to construct the variables. The questionnaires analysed were the following³: Belgium, Estonia, Greece, Spain, France, Italy, Cyprus, Luxembourg, Malta, Portugal, Romania and United Kingdom. It has to be pointed out that the results of this analysis are affected by the quality of the translations and also by linguistic and cultural differences between countries.

The purpose of the analysis of the questionnaires is the detection of lack of comparability among the national questionnaires and also related problems in data quality.

In each subsection firstly the wording suggested by Eurostat is presented followed by a summary of the phrasing used by the countries. The last subsection presents some conclusions on the analysis of the questionnaires.

5.1. MH010 – Shortage of space in dwelling

○ Eurostat:

- Do you have a problem with shortage of space in the dwelling for your household needs?

○ Countries:

- Most of the countries have a similar question as proposed by Eurostat: Belgium, Estonia, Greece, Spain, Cyprus, Portugal and Malta.

³ It was only possible to analyse the available questionnaires in English, Spanish, French, Portuguese and Italian. All questionnaires are freely available on Circa:

<http://circa.europa.eu/Public/irc/dsis/eusilc/library?l=/questionnaires&vm=detailed&sb=Title>

- Some countries ask it the other way around: Romania (How do you appreciate that dwelling area satisfies currently household necessities? More than enough, Enough, Not enough) and United Kingdom (Do you have sufficient space for your household's needs?).

5.2. MH020 – Adequate electrical installations and MH030 – Adequate plumbing/water installations

o Eurostat:

- Is your dwelling equipped with adequate electrical (plumbing/water) installations, for your household needs?

o Countries:

- Similar wording with two answers: Belgium, Malta (but only should answer when applicable).

- Similar wording with two answers but a previous question on whether or not the dwelling has the installation: Estonia.

- Similar wording with three answers (Adequate, Inadequate, My dwelling does not have this instalment): Greece, Spain and Cyprus.

- Similar wording with three answers (Yes, No, Don't know/Don't answer): Portugal.

- Similar wording with four answers (Good, Satisfactory, Bad, Not applicable): Romania.

- In Italy it is asked first if the dwelling has the installation and then they ask if the service is provided continuously or there are frequent cuts. In the case of the plumbing/water installation the possible answers are: Drinkable water; Connected with the drain sewer; efficient pipes (with no leaking).

- In United Kingdom, the wording for both variables is different from the standard one:

- Do you have sufficient electrical sockets and light fittings in your accommodation?
- Are the sockets, lights and other fixed electrical equipment in your accommodation in safe working order?
- Does your accommodation have a sufficient number of sinks, baths, showers and toilets?
- Does your accommodation have sufficient plumbing for appliances?
- Are the plumbing and drains in your accommodation in working order?

5.3. MH040 – Dwelling equipped with heating facilities and MH050 – Dwelling comfortably warm during winter time

o Eurostat:

- Is your dwelling equipped with heating facilities? (Yes – Central heating, Yes – Other heating, No - No heating facilities)

- If 'Yes': Are the heating facilities adequate for your household's needs (during a 'normal' winter)? (Yes, No)

- If 'No': Why is your dwelling not equipped with heating facilities? (Can't afford, No need, other reasons).

o Countries:

➤ For MH040 (Dwelling equipped with heating facilities) there are many differences among countries:

- In Greece, Spain, Italy, Cyprus, Malta and Portugal the first question is asked in a similar way as suggested by Eurostat.

- In United Kingdom is quite similar but they split the question in two. First they ask 'Is your accommodation centrally heated with radiators in most rooms' and if not 'Does your accommodation have fireplaces or fixed electric or gas heaters or stoves?'

- In Belgium the phrasing is quite different:

- Do you have the following equipment in your dwelling? A bath or a shower; An indoor flushing toilet; Central heating (→ If 'no', go to the next question); Hot water; Air conditioning.
- Are most of the rooms in your dwelling equipped with heating facilities? Please do not take into account the portable heating.

- In some countries the options are greater: In Estonia there are five options. In France eight options, and there are three other related questions giving more options on means of heating.

- In Romania the question is: How do you appreciate the capacity of heating installation from your dwelling? Good; Satisfactory; Bad; Not applicable (dwelling without heating system).

➤ For MH050 (Dwelling comfortably warm during winter time) the wording is similar among countries:

- Most countries ask something like "During winter, can you keep your dwelling comfortably warm thanks to your heating equipment and/or the insulation of your dwelling?": Belgium, Estonia, Greece, Spain, Italy, Cyprus, Malta and Portugal (they include an answer: the household moved to this dwelling after last winter).

- In United Kingdom they include another option: Yes; Some rooms only; No.

- In France they include in the question a time span: "Last winter did you suffer for more than 24 hours of the following: Cold; Over-heating; Cold and over-heating; No temperature problem.

- In Romania the question is: How do you appreciate the adequacy of thermic isolation of the dwelling?

5.4. MH060 – Dwelling equipped with air conditioning facilities and MH070 – Dwelling comfortably cool during summer time

○ Eurostat:

- Is your dwelling equipped with air-conditioning? (Yes, No)

- If 'Yes': Is the air condition adequate for your households needs (during a 'normal' summer)? (Yes, No)

- If 'No': Why is your dwelling not equipped with air-conditioning? (Can't afford, No need, other reasons).

○ Countries:

➤ For MH060 (Dwelling equipped with air conditioning facilities) the wording is quite different among countries:

- Most of the countries analysed used a similar wording as the one suggested by Eurostat ('Is there an air-conditioning unit in the dwelling of your household?'): Estonia, Greece, Spain, France (but with three possible answers: Yes, for the whole dwelling; Yes, only for a part of the dwelling; No), Italy, Cyprus, Malta, Portugal and United Kingdom.

- In Belgium the phrasing is: Do you have the following equipment in your dwelling? A bath or a shower; An indoor flushing toilet; Central heating; Hot water; Air conditioning.

- In Romania the question is: How do you appreciate the quality of air conditioned device? Good; Satisfactory; Bad; Not applicable (dwelling without air conditioned).

➤ For MH070 (Dwelling comfortably cool during summer time) the wording is similar among countries:

- Most countries ask something like "During summer, can you keep your dwelling comfortably cool?" Belgium, Estonia, Greece, Spain, Italy, Cyprus, Malta, Portugal (they include an answer: the household moved to this dwelling after last summer) and United Kingdom (three options: Yes; Some rooms only; No).

- In France they include in the question a time span: "Last summer did you suffer for more than 24 hours from the following: Cold (because of the air-conditioning); Hot; No temperature problem.

- In Romania the question is: How do you appreciate the adequacy of thermic isolation of the dwelling?

5.5. MH080 – Overall satisfaction with dwelling

○ Eurostat:

- Possible answers: Very dissatisfied; Somewhat dissatisfied; Satisfied; Very satisfied.

○ Countries:

- Most of countries use a wording similar to 'How satisfied are you with your dwelling?', the main differences are in the answers proposed: Belgium (options: Very unsatisfied; Unsatisfied; Satisfied; Very satisfied), Estonia, Greece, Spain, France (options: Very satisfactory; Satisfactory; Acceptable; Insufficient; Very insufficient), Italy (Not satisfied at all; Little satisfied; Satisfied; Very satisfied), Cyprus, Malta, Portugal and United Kingdom (the options are the same but the ordering is the inverse, i.e. Very satisfied; Satisfied; Somewhat dissatisfied; Very dissatisfied).

- In Romania the question is divided as follows: How satisfied are you by the following items? Main dwelling of the household; The district where dwelling is located; The building where dwelling belong to; Cleanliness and maintenance degree of the building to which the dwelling belong; Dwelling quality toward living cost. And the possible answers are the following: Very content; Content; Discontent; Not applicable. The wording of the question and the choice of answers given is too different to the other countries. Thus, this variable is not comparable with the other countries as it has been shown in the analysis of the frequencies presented earlier.

**5.6. MH090 – Accessibility of grocery services;
 MH100 – Accessibility of banking services;
 MH110 – Accessibility of postal services;
 MH120 – Accessibility of public transport;
 MH130 – Accessibility of primary health care services
 and MH140 – Accessibility of compulsory school**

o Eurostat:

- Are the following services provided in your local area?
- How would you assess the services provided in your local area?
- Possible answers: With great difficulty; With some difficulty; Easily; Very easily.

o Countries:

- The wording used is similar to the ones proposed by Eurostat in the following countries: Belgium (options: Very difficult; Difficult; Easy; Very easy; Not applicable), Estonia, Greece, Spain, France (options: Very satisfactory; Satisfactory enough; Unsatisfactory enough; Very unsatisfactory; Not applicable), Italy, Cyprus, Luxembourg, Malta, Portugal and United Kingdom (options: Very easy; Easy; Difficult; Very difficult).
- In Romania the wording and the answers are quite different. Question: Are in the district/area where you live the following utilities that you can walk to, in maximum 15 minutes?. Answers: Yes; No; Not applicable. This explains the lack of comparability of these variables as shown in the analysis of the frequencies in the section above.

In addition, many countries, among the ones analysed, combine all these variables in one only question with different sub-sections. Example from Estonia:

	With great difficulty	With some difficulty	Easily	Very easily	Service is not used
Grocery services					
Banking services					
Postal services					
Public transport					
Primary health care services					
Compulsory school					

5.7. MH150 – Change of dwelling and MH160 – Main reason for change of dwelling

o Eurostat:

- Have you changed dwelling (moved) in the last two years?
- If so, what was the main reason?
- Possible answers: Family related reasons; Employment related reasons; Housing related reasons; Eviction/distrain; Landlord did not prolong the contract; Financial reasons; Other.

o Countries:

- The wording suggested by Eurostat is used in most countries analysed: Belgium, Estonia, Greece, Spain, France (22 possible answers, to choose maximum 2 among them), Italy, Cyprus, Luxembourg, Malta, Portugal and United Kingdom.

6. COMMENTS FROM COUNTRIES

On the 10th August Eurostat sent an e-mail to the EU-SILC Delegates (EU-27 plus Switzerland, Iceland, Norway and Turkey) asking for input/feedback based on the 2007 data collection (feedback from interviews, analysis carried out, problems identified...). The following table sums up all comments received until the 28th August.

Czech Republic	"We definitely prefer re-launching the module 2007." "The problematic question in this module was about the change of dwelling (MH150 and MH160) because it was confusing for respondents to answer just about persons moving in and not about moving out. Other variables were quite clear."
Germany	No problem with the module, including missing values.
Ireland	"The 2007 Housing module will be published on the 27th of August."
Italy	"As concerns the choice between the 'social participation' and the 'housing conditions' modules for 2012 we have no reason for preferring one of the two on the basis of data collection problems (or feedback from interviewers). However, we could say that the 'housing conditions' module is "closer" to the general scope of the whole EU-SILC survey and expands a very useful set of information on living conditions."
Cyprus	"We did not face any particular problems while collecting or analysing the data of 2006 and 2007 modules."
Latvia	"Both EU-SILC modules 2006 (Social participation) and 2007 (Housing conditions) were interesting and attractive. There were no significant complaints or objections from interviewers regarding these modules. Both modules are worth to be repeated in 2012."
Hungary	"We favour re-launching the module 2007 on Housing conditions although after an improvement based on your analysis."
Austria	"We cannot report any particular problems with these modules. We do favour to repeat social participation, rather than housing. We publish an annual national report on the results of EU-SILC. The report is only in German. We discussed the module questionnaire with national experts and added nationally variables to complement the subject. For housing we regard the costs and quality of housing as central to social exclusion. These dimensions are somehow covered by the annual variables. The highly relevant question on the thread of eviction concerned so few cases in the population asked we could not use it for analysis. Thus we regard the housing module as less important. Otherwise we cannot report any problems. The accessibility of public services mostly correlates with at risk-of-poverty. Nationally we have added questions on the access of pharmacy, hospital, park, Restaurant/Bar, Kindergarten, police station, cultural services. Access to Kindergarten, police station and park did not show a correlation with poverty."
Portugal	"We have no particular comments or suggestions concerning the 2006 and 2007 modules, except that both reflect some of the best module structures already implemented in EU-SILC. In our opinion it is better to choose a new collection on Social participation in order to follow a five year roll collection calendar, enough to monitor these phenomena. "

Slovenia	"The ad hoc 2007 (housing conditions) was a little bit more difficult. Especially interviewers had problems with the questions about access to the bank, post etc. The problem was in the households where one (or several) household is for example handicapped, but for all others access is very easy. The problem occurs especially in the case that the person with the difficulties do not need bank, post etc. The problem according to interviewers was also the variable 'shortage of space', because the participants in survey feel shortage of space very differently. Usually it is also better psychologically to ask about positive things, not for negative ones. We mean in this case - not to ask for shortage of space, but to ask 'do you have enough space in your dwelling?' We published the data, but we do not make any deeper analysis about the data."
Slovakia	"The module 'Housing conditions' of the EU SILC 2007 survey was collected by a special questionnaire. Interviewers used different colour questionnaires so that their work could be easier. Generally, the questionnaires were evaluated as transparent, logical and understandable. There were no negative reactions to the module 'Housing conditions'. As far as clarity and understandability of questions is concerned, the questions D6 /MH050 - Dwelling comfortably warm during winter time/ and D7 /MH070 - Dwelling comfortably cool during summer time/ were not much clear or understandable. Namely, respondents found it difficult to define 'a comfortably warm or cold dwelling'. According to evaluation reports elaborated by coordinators from individual regional offices of the Statistical Office of the SR, the modules 'Cultural and social participation' and 'Housing conditions' were implemented correctly and successfully; interviewers did not record any negative reactions to concrete questions, which were quite simple in terms of their subject (coverage)."
Sweden	"The questions MH020 - MH070 is experienced as not relevant for Swedish relations. In the presented replies where the negative smaller than 5% except for question MH060 (dwelling equipped with air condition facilities) where 14% stated 'yes'. Concerning the questions MH090 - MH140 replies selected person probably on the basis of your own situation and not the household's. When it comes to the questions MH090, MH100 and MH110 the selected person probably states that business, bank respective post office that he normally uses, not the nearest. Question MH130 becomes unclear because in Sweden on several places you will report which health care centre one want to use and this does not need always to be the closest located."
Switzerland	"The 2007 module (Housing condition) did not raise any particular problem in Switzerland".

7. SUGGESTIONS AND RECOMMENDATIONS

- Selection of target variables: the 2007 variables relate to two types of units: mainly the household (all variables except for the ones related to the 'change of dwelling'), and the household respondent (variables related to the 'change of dwelling').
→ Change to reflect the situation at the household level would be a simplification/clarification without losing too much information.

ANNEX 1: DISTRIBUTION OF 'FILLED' VALUES FOR EACH VARIABLE

MH010: Shortage of space in dwelling

	BE	BG	CZ	DK	DE	EE	IE	EL	ES	FR	IT	CY	LV	LT	LU
1: Yes	8.8	25.4	9.9	13.1	6.8	20.5	18.0	21.5	15.6	13.3	10.6	21.4	26.2	19.1	10.2
2: No	91.2	74.6	90.1	86.9	93.2	79.5	82.0	78.5	84.4	86.7	89.4	78.6	73.8	80.9	89.8
	HU	MT	NL	AT	PL	PT	RO	SI	SK	FI	SE	UK	IS	NO	
1: Yes	11.9	9.0	13.1	15.4	23.0	17.7	16.4	11.0	15.0	15.2	13.0	12.4	7.9	12.1	
2: No	88.1	91.0	86.9	84.6	77.0	82.3	83.6	89.0	85.0	84.8	87.0	87.6	92.1	87.9	

MH020: Adequate electrical installations

	BE	BG	CZ	DK	DE	EE	IE	EL	ES	FR	IT	CY	LV	LT	LU
1: Yes	94.7	94.8	91.7	96.4	94.8	90.0	91.1	94.5	94.6	88.6	85.9	91.1	87.8	89.8	93.9
2: No	5.3	5.2	8.3	3.6	5.2	10.0	8.9	5.5	5.4	11.4	14.1	8.9	12.2	10.2	6.1
	HU	MT	NL	AT	PL	PT	RO	SI	SK	FI	SE	UK	IS	NO	
1: Yes	99.8	95.8	98.4	97.5	95.6	85.2	95.6	98.8	94.6	94.7	95.9	91.3	92.5	94.9	
2: No	0.2	4.2	1.6	2.5	4.4	14.8	4.4	1.2	5.4	5.3	4.1	8.7	7.5	5.1	

MH030: Adequate plumbing/water installation

	BE	BG	CZ	DK	DE	EE	IE	EL	ES	FR	IT	CY	LV	LT	LU
1: Yes	96.4	93.4	94.2	94.4	93.3	88.3	94.2	92.5	95.1	86.0	91.9	90.7	83.3	87.9	90.8
2: No	3.6	6.6	5.8	5.6	6.7	11.7	5.8	7.5	4.9	14.0	8.1	9.3	16.7	12.1	9.2
	HU	MT	NL	AT	PL	PT	RO	SI	SK	FI	SE	UK	IS	NO	
1: Yes	97.0	95.8	93.5	98.4	91.3	85.4	91.6	97.6	94.4	93.8	95.2	91.9	90.6	99.2	
2: No	3.0	4.2	6.5	1.6	8.7	14.6	8.4	2.4	5.6	6.2	4.8	8.1	9.4	0.8	

MH040: Dwelling equipped with heating facilities

	BE	BG	CZ	DK	DE	EE	IE	EL	ES	FR	IT	CY	LV	LT	LU
1: Yes, central heating or similar	83.7	20.6	82.0	99.1	74.8	71.6	87.1	71.8	49.1	93.0	86.3	41.3	68.0	79.6	96.7
2: Yes, other fixed heating	7.1	65.4	17.6	0.9	11.0	28.4	11.2	17.2	23.4	5.2	10.5	37.0	30.9	20.0	2.8
3: No, no fixed heating	9.1	14.0	0.4	0.0	14.3	0.0	1.7	10.9	27.5	1.8	3.2	21.7	1.1	0.5	0.5
	HU	MT	NL	AT	PL	PT	RO	SI	SK	FI	SE	UK	IS	NO	
1: Yes, central heating or similar	88.5	2.1	98.2	88.7	75.8	4.7	.	87.7	93.0	92.8	96.4	94.4	92.0	67.8	
2: Yes, other fixed heating	10.5	44.0	1.3	7.1	24.2	7.0	.	11.6	6.8	6.7	3.6	4.7	8.0	29.6	
3: No, no fixed heating	1.0	53.9	0.5	4.2	0.0	88.3	.	0.7	0.2	0.5	0.0	0.9	0.0	2.6	

MH050: Dwelling comfortably warm during winter

	BE	BG	CZ	DK	DE	EE	IE	EL	ES	FR	IT	CY	LV	LT	LU
1: Yes	93.5	62.0	89.6	88.5	87.0	83.1	.	82.8	87.1	89.3	81.4	70.7	79.4	81.1	91.4
2: No	6.5	38.0	10.4	11.5	13.0	16.9	.	17.2	12.9	10.7	18.6	29.3	20.6	18.9	8.6
	HU	MT	NL	AT	PL	PT	RO	SI	SK	FI	SE	UK	IS	NO	
1: Yes	84.2	90.2	94.1	96.9	75.8	43.4	64.1	96.1	86.4	89.9	92.9	94.2	91.5	89.2	
2: No	15.8	9.8	5.9	3.1	24.2	56.6	35.9	3.9	13.6	10.1	7.1	5.8	8.5	10.8	

MH060: Dwelling equipped with air conditioning facilities

	BE	BG	CZ	DK	DE	EE	IE	EL	ES	FR	IT	CY	LV	LT	LU
1: Yes	2.8	7.6	0.8	4.7	1.5	1.6	0.4	49.2	35.7	4.9	23.2	73.2	2.0	2.0	4.8
2: No	97.2	92.4	99.2	95.3	98.5	98.4	99.6	50.8	64.3	95.1	76.8	26.8	98.0	98.0	95.2
	HU	MT	NL	AT	PL	PT	RO	SI	SK	FI	SE	UK	IS	NO	
1: Yes	4.1	50.5	6.3	1.5	0.9	6.5	5.7	11.0	1.0	16.8	13.5	1.7	2.2	8.6	
2: No	95.9	49.5	93.7	98.5	99.1	93.5	94.3	89.0	99.0	83.2	86.5	98.3	97.8	91.4	

MH070: Dwelling comfortably cool during summer time

	BE	BG	CZ	DK	DE	EE	IE	EL	ES	FR	IT	CY	LV	LT	LU
1: Yes	84.4	72.8	61.0	81.6	75.8	77.7	92.4	68.8	74.4	71.3	67.6	60.6	61.8	67.6	81.9
2: No	15.6	27.2	39.0	18.4	24.2	22.3	7.6	31.2	25.6	28.7	32.4	39.4	38.2	32.4	18.1
	HU	MT	NL	AT	PL	PT	RO	SI	SK	FI	SE	UK	IS	NO	
1: Yes	71.4	85.2	80.2	81.0	58.8	57.5	.	79.4	62.2	79.1	88.7	89.7	97.1	87.1	
2: No	28.6	14.8	19.8	19.0	41.2	42.5	.	20.6	37.8	20.9	11.3	10.3	2.9	12.9	

MH080: Overall satisfaction with dwelling

	BE	BG	CZ	DK	DE	EE	IE	EL	ES	FR	IT	CY	LV	LT	LU
1: Very dissatisfied	6.1	7.1	2.6	1.9	9.8	4.2	7.5	2.2	2.9	1.0	2.5	3.3	7.4	7.8	1.2
2: Somewhat dissatisfied	5.6	17.1	11.3	4.4	7.2	23.5	9.0	10.7	8.1	8.6	13.0	12.1	23.5	27.5	4.4
3: Satisfied	51.2	63.7	71.7	27.6	38.7	61.0	38.1	68.9	65.9	55.1	68.4	61.0	61.3	56.6	40.3
4: Very satisfied	37.1	12.1	14.4	66.1	44.3	11.3	45.4	18.2	23.1	35.3	16.1	23.6	7.9	8.1	54.1
	HU	MT	NL	AT	PL	PT	RO	SI	SK	FI	SE	UK	IS	NO	
1: Very dissatisfied	11.9	2.6	1.1	1.7	5.1	5.7	8.3	3.6	3.3	2.1	0.6	1.0	0.8	0.3	
2: Somewhat dissatisfied	25.9	8.8	2.6	6.5	16.4	12.2	72.8	8.2	19.0	5.0	4.5	4.8	1.9	2.4	
3: Satisfied	50.5	69.0	32.0	48.5	70.4	63.4	18.9	58.3	67.0	51.6	41.3	34.7	25.7	49.5	
4: Very satisfied	11.7	19.6	64.3	43.3	8.2	18.8	0.0	29.9	10.7	41.3	53.6	59.6	71.6	47.8	

MH090: Accessibility of grocery services

	BE	BG	CZ	DK	DE	EE	IE	EL	ES	FR	IT	CY	LV	LT	LU
1: with great difficulty	5.5	2.5	2.7	1.2	0.9	4.9	3.1	3.7	2.2	0.5	5.7	3.6	5.3	4.3	3.4
2: with some difficulty	11.0	7.9	10.2	7.0	8.1	13.7	9.4	8.6	11.4	2.6	16.6	9.0	17.5	18.1	10.9
3: easily	44.9	37.3	52.4	36.2	36.3	59.4	44.3	45.9	62.2	38.1	59.1	54.9	61.1	57.5	37.4
4: very easily	38.7	52.3	34.6	55.6	54.7	22.0	43.2	41.7	24.2	58.7	18.6	32.5	16.0	20.1	48.3
	HU	MT	NL	AT	PL	PT	RO	SI	SK	FI	SE	UK	IS	NO	
1: with great difficulty	1.6	3.1	1.1	3.9	3.8	3.1	0.0	3.0	2.5	2.2	0.6	1.8	1.9	0.7	
2: with some difficulty	6.4	10.1	4.0	13.2	8.9	9.3	3.2	12.0	9.0	4.7	4.0	3.4	5.5	5.2	
3: easily	50.1	59.1	30.6	39.9	49.9	61.3	96.8	50.0	47.5	40.7	39.1	26.8	28.6	38.0	
4: very easily	41.9	27.7	64.3	43.0	37.4	26.4	0.0	35.0	41.1	52.4	56.3	68.0	64.0	56.1	

MH100: Accessibility of banking services

	BE	BG	CZ	DK	DE	EE	IE	EL	ES	FR	IT	CY	LV	LT	LU
1: with great difficulty	5.9	12.5	4.6	2.2	1.5	6.3	5.3	10.0	2.2	1.9	7.9	2.4	6.4	5.9	2.8
2: with some difficulty	15.1	17.2	20.3	11.9	11.5	18.9	16.8	19.9	11.2	6.2	21.9	8.1	20.8	21.6	11.6
3: easily	46.8	35.9	54.0	39.9	43.3	58.0	47.8	40.5	63.4	44.2	55.0	58.8	59.0	54.8	38.7
4: very easily	32.2	34.4	21.2	46.0	43.7	16.8	30.1	29.6	23.2	47.6	15.2	30.7	13.7	17.6	47.0
	HU	MT	NL	AT	PL	PT	RO	SI	SK	FI	SE	UK	IS	NO	
1: with great difficulty	7.2	7.5	1.0	3.8	5.2	3.4	10.9	3.8	8.9	2.4	1.9	2.6	2.5	0.8	
2: with some difficulty	21.4	18.4	4.1	15.2	21.0	11.7	43.5	15.6	27.2	7.1	9.7	10.6	4.1	6.3	
3: easily	48.2	54.6	26.1	43.2	49.5	63.5	45.6	42.4	44.2	41.8	44.1	44.2	19.8	39.8	
4: very easily	23.2	19.5	68.8	37.8	24.3	21.4	0.0	38.2	19.7	48.8	44.3	42.6	73.6	53.1	

MH110: Accessibility of postal services

	BE	BG	CZ	DK	DE	EE	IE	EL	ES	FR	IT	CY	LV	LT	LU
1: with great difficulty	7.9	6.2	3.2	3.3	4.4	4.0	4.4	8.0	4.3	5.7	7.3	3.1	5.1	2.5	3.4
2: with some difficulty	19.2	14.7	15.2	15.4	22.3	14.5	11.5	18.6	17.7	12.0	21.7	10.2	20.5	16.8	12.0
3: easily	46.4	42.5	57.4	43.9	42.8	63.8	50.1	45.3	61.6	42.4	56.7	60.4	62.2	63.5	38.2
4: very easily	26.4	36.5	24.3	37.4	30.5	17.7	34.1	28.1	16.4	40.0	14.4	26.3	12.1	17.3	46.5
	HU	MT	NL	AT	PL	PT	RO	SI	SK	FI	SE	UK	IS	NO	
1: with great difficulty	3.4	7.7	1.9	5.0	4.6	3.7	1.0	2.9	4.8	2.4	1.1	1.9	4.2	1.0	
2: with some difficulty	12.7	19.6	10.2	19.4	18.3	15.3	35.1	14.1	19.0	8.0	8.9	6.0	10.9	6.3	
3: easily	55.0	54.8	37.0	44.1	52.0	63.5	64.0	58.3	51.2	51.7	49.7	37.1	32.5	49.1	
4: very easily	28.9	17.9	50.9	31.5	25.2	17.5	0.0	24.8	25.0	37.9	40.3	55.1	52.5	43.5	

MH120: Accessibility of public transports

	BE	BG	CZ	DK	DE	EE	IE	EL	ES	FR	IT	CY	LV	LT	LU
1: with great difficulty	6.8	8.3	3.2	3.7	5.0	5.4	12.0	5.4	3.2	3.5	9.3	27.3	4.0	7.1	2.8
2: with some difficulty	11.8	13.1	12.2	10.0	14.3	14.2	14.3	13.8	10.4	9.3	19.0	22.6	18.6	20.4	7.7
3: easily	42.0	39.5	54.0	37.1	32.7	60.3	40.4	43.0	62.1	37.8	55.4	41.6	65.2	55.3	32.3
4: very easily	39.3	39.1	30.6	49.2	48.0	20.2	33.3	37.8	24.3	49.3	16.4	8.6	12.1	17.2	57.2
	HU	MT	NL	AT	PL	PT	RO	SI	SK	FI	SE	UK	IS	NO	
1: with great difficulty	4.7	6.5	6.5	6.1	5.3	5.6	3.6	5.7	3.9	12.9	4.9	1.9	9.0	7.6	
2: with some difficulty	13.1	15.7	12.0	14.0	18.0	14.8	16.1	17.2	13.8	14.7	10.2	9.6	13.2	16.4	
3: easily	50.6	58.4	28.6	38.9	50.0	59.0	80.3	52.5	51.6	40.2	39.4	43.3	36.4	39.3	
4: very easily	31.6	19.3	52.9	41.0	26.7	20.5	0.0	24.6	30.6	32.3	45.5	45.1	41.4	36.6	

MH130: Accessibility of primary health care services

	BE	BG	CZ	DK	DE	EE	IE	EL	ES	FR	IT	CY	LV	LT	LU
1: with great difficulty	2.9	9.3	3.2	3.4	1.5	4.9	4.9	7.2	3.5	1.2	7.1	5.8	8.3	5.0	2.3
2: with some difficulty	8.4	17.5	17.2	18.2	9.4	20.5	14.0	17.8	16.2	4.3	24.1	15.1	26.5	28.2	9.1
3: easily	52.0	39.8	57.2	47.3	46.2	61.2	48.8	46.7	62.7	36.9	55.9	59.7	56.4	54.9	41.3
4: very easily	36.6	33.4	22.4	31.1	42.9	13.4	32.4	28.3	17.6	57.7	12.9	19.3	8.8	11.9	47.2
	HU	MT	NL	AT	PL	PT	RO	SI	SK	FI	SE	UK	IS	NO	
1: with great difficulty	2.8	8.8	1.8	4.0	5.0	6.9	0.8	4.2	5.8	3.8	2.7	2.0	2.9	1.3	
2: with some difficulty	13.1	22.0	7.7	15.0	22.6	21.6	29.3	20.8	25.0	13.1	13.3	6.1	8.5	11.2	
3: easily	56.4	54.9	38.2	45.6	50.7	59.0	70.0	55.5	47.8	55.0	57.8	42.6	31.2	60.7	
4: very easily	27.6	14.3	52.2	35.4	21.6	12.5	0.0	19.5	21.3	28.2	26.2	49.3	57.4	26.8	

MH140: Accessibility of compulsory school

	BE	BG	CZ	DK	DE	EE	IE	EL	ES	FR	IT	CY	LV	LT	LU
1: with great difficulty	2.7	7.6	1.5	2.1	1.7	1.5	1.8	4.4	2.7	2.7	5.7	1.3	3.4	1.2	2.5
2: with some difficulty	8.0	11.8	11.8	9.1	12.1	13.2	9.6	8.4	14.8	7.1	16.2	7.3	19.3	15.0	9.9
3: easily	52.2	42.0	53.8	43.7	48.9	66.8	54.0	46.9	64.1	37.4	61.8	63.4	67.9	61.6	45.8
4: very easily	37.0	38.7	32.8	45.1	37.3	18.6	34.6	40.4	18.4	52.8	16.3	28.0	9.5	22.2	41.8
	HU	MT	NL	AT	PL	PT	RO	SI	SK	FI	SE	UK	IS	NO	
1: with great difficulty	3.4	4.2	2.2	2.7	3.4	4.0	1.3	1.9	3.0	1.4	2.1	1.4	0.7	0.6	
2: with some difficulty	9.9	13.6	7.0	14.2	13.8	19.0	17.5	12.8	12.8	7.2	6.9	8.0	1.8	6.2	
3: easily	50.4	59.9	34.2	52.1	56.6	64.8	81.3	59.8	54.6	51.3	46.5	39.2	13.3	49.3	
4: very easily	36.2	22.3	56.6	31.0	26.1	12.2	0.0	25.6	29.6	40.1	44.6	51.4	84.2	43.8	

MH150: Change of dwelling in the last two years

	BE	BG	CZ	DK	DE	EE	IE	EL	ES	FR	IT	CY	LV	LT	LU
1: Yes	10.4	3.4	3.7	18.9	10.4	7.3	5.2	7.1	7.0	16.0	7.9	10.4	4.1	4.1	9.9
2: No	89.6	96.6	96.3	81.1	89.6	92.7	94.8	92.9	93.0	84.0	92.1	89.6	95.9	95.9	90.1
	HU	MT	NL	AT	PL	PT	RO	SI	SK	FI	SE	UK	IS	NO	
1: Yes	6.7	1.8	11.3	12.3	3.9	4.5	2.1	3.1	3.6	19.1	23.1	12.8	27.8	22.9	
2: No	93.3	98.2	88.7	87.7	96.1	95.5	97.9	96.9	96.4	80.9	76.9	87.2	72.2	77.1	

MH160: Main reason for change of dwelling

	BE	BG	CZ	DK	DE	EE	IE	EL	ES	FR	IT	CY	LV	LT	LU
1: Family related reasons	27.3	35.7	54.5	27.1	29.9	39.0	18.5	24.7	27.8	28.9	43.0	38.5	37.3	38.0	56.1
2: Employment related reasons	5.5	11.3	3.1	11.9	13.3	10.4	14.6	14.8	13.2	12.8	15.1	8.7	2.3	10.7	9.2
3: Housing related reasons	39.4	10.8	33.6	45.4	32.0	39.9	34.5	38.4	28.0	36.4	19.5	31.2	47.2	33.4	27.3
4: Eviction/distraint	2.9	3.1	0.9	0.5	0.4	2.4	0.3	0.7	0.7	1.0	1.7	0.1	0.9	0.9	2.7
5: Landlord did not prolong the contract	2.0	13.9	2.1	1.3	2.2	4.1	3.2	3.9	2.0	7.2	2.1	4.3	3.8	3.1	0.8
6: Financial reasons	4.1	2.2	2.4	5.0	8.2	2.0	1.7	6.9	3.8	3.6	2.1	5.8	4.1	3.7	0.4
7: Other	18.8	23.0	3.2	8.9	13.9	2.3	27.3	10.6	24.5	10.1	16.4	11.5	4.3	10.2	3.5
	HU	MT	NL	AT	PL	PT	RO	SI	SK	FI	SE	UK	IS	NO	
1: Family related reasons	39.5	34.2	20.6	23.3	31.4	26.8	.	40.5	40.9	30.8	36.4	23.9	23.8	34.3	
2: Employment related reasons	4.6	.	4.1	10.3	6.7	11.1	.	3.3	3.9	8.2	13.2	11.4	9.3	7.5	
3: Housing related reasons	35.5	11.1	31.2	41.9	43.4	46.6	.	30.8	42.6	38.5	34.1	38.2	27.0	26.7	
4: Eviction/distraint	.	2.5	1.4	0.1	3.1	2.6	.	3.0	0.7	0.7	0.1	0.2	0.1	0.3	
5: Landlord did not prolong the contract	1.5	.	1.1	4.4	3.2	0.8	.	2.6	3.1	3.1	0.7	3.2	3.5	3.8	
6: Financial reasons	4.7	1.2	0.2	8.9	1.7	1.9	.	1.8	5.5	2.8	3.5	5.0	2.5	2.7	
7: Other	14.2	51.0	41.5	11.1	10.4	10.1	.	18.0	3.2	16.0	11.9	18.1	33.7	24.7	

ANNEX 2: FREQUENCY DISTRIBUTION OF VARIABLE FLAGS

MH010 F: SHORTAGE OF SPACE IN DWELLING FLAG																				
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
	BE		BG		CZ		DK		DE		EE		IE		EL		ES		FR	
-1	.	.	12	0.3	.	.	14	0.2	74	0.5	.	.	.	.	.	.	3	0.0	.	.
1	6348	100	4258	99.7	9675	100.0	5769	99.8	14079	99.5	5146	100.0	5608	100.0	5643	100.0	12326	100.0	10498	100.0
All	6348	100	4270	100.0	9675	100.0	5783	100.0	14153	100.0	5146	100.0	5608	100.0	5643	100.0	12329	100.0	10498	100.0
	IT		CY		LV		LT		LU		HU		MT		NL		AT		PL	
-1	.	.	.	.	191	4.3	.	.	2	0.1	11	0.1	2	0.1	5	0.1	1	0.0	.	.
1	20982	100	3505	100.0	4280	95.7	4975	100.0	3883	100.0	8726	99.9	3475	99.9	10214	100.0	6805	100.0	14286	100.0
All	20982	100	3505	100.0	4471	100.0	4975	100.0	3885	100.0	8737	100.0	3477	100.0	10219	100.0	6806	100.0	14286	100.0
	PT		RO		SI		SK		FI		SE		UK		IS		NO			
-1	2	0.1	.	.	.	.	10	0.2	9	0.1	12	0.2	151	1.6	12	0.4	6	0.1		
1	4308	100	8031	100.0	8707	100.0	4931	99.8	10615	99.9	7171	99.8	9124	98.4	2860	99.6	6007	99.9		
All	4310	100	8031	100.0	8707	100.0	4941	100.0	10624	100.0	7183	100.0	9275	100.0	2872	100.0	6013	100.0		

MH020 F: ADEQUATE ELECTRICAL INSTALLATIONS FLAG																				
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
	BE		BG		CZ		DK		DE		EE		IE		EL		ES		FR	
-2	.	.	15	0.4	3	0.0	.	.	.	.	6	0.1	1	0.0	3	0.1	2	0.0	.	.
-1	.	.	28	0.7	.	.	27	0.5	18	0.1	11	0.2	5	0.1	.	.	3	0.0	67	0.6
1	6348	100	4227	99.0	9672	100.0	5756	99.5	14135	99.9	5129	99.7	5602	99.9	5640	100.0	12324	100.0	10431	99.4
All	6348	100	4270	100.0	9675	100.0	5783	100.0	14153	100.0	5146	100.0	5608	100.0	5643	100.0	12329	100.0	10498	100.0
	IT		CY		LV		LT		LU		HU		MT		NL		AT		PL	
-2	189	0.9	.	.	15	0.3	11	0.2	.	.	.	.	.	.	3	0.0	.	.	5	0.0
-1	.	.	.	.	191	4.3	.	.	.	.	3	0.0	3	0.1	4	0.0	.	.	.	.
1	20793	99.1	3505	100.0	4265	95.4	4964	99.8	3885	100.0	8734	100.0	3474	99.9	10212	99.9	6806	100.0	14281	100.0
All	20982	100	3505	100.0	4471	100.0	4975	100.0	3885	100.0	8737	100.0	3477	100.0	10219	100.0	6806	100.0	14286	100.0
	PT		RO		SI		SK		FI		SE		UK		IS		NO			
-2	49	1.14	16	0.2	.	.	3	0.1	.	.	.	.	.	.	.	.	2	0.0		
-1	22	0.5	.	.	.	.	.	.	13	0.1	7	0.1	157	1.7	24	0.8	8	0.1		
1	4239	98	8015	99.8	8707	100.0	4938	99.9	10611	99.9	7176	99.9	9118	98.3	2848	99.2	6003	99.8		
All	4310	100	8031	100.0	8707	100.0	4941	100.0	10624	100.0	7183	100.0	9275	100.0	2872	100.0	6013	100.0		

MH030 F ADEQUATE PLUMBING/WATER INSTALLATIONS FLAG

	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
	BE		BG		CZ		DK		DE		EE		IE		EL		ES		FR	
-2	.	.	49	1.2	29	0.3	.	.	.	.	688	13.4	25	0.5	11	0.2	6	0.1	.	.
-1	3	0.05	18	0.4	.	.	29	0.5	17	0.1	1	0.0	4	0.1	.	.	4	0.0	5	0.1
1	6345	99.95	4203	98.4	9646	99.7	5754	99.5	14136	99.9	4457	86.6	5579	99.5	5632	99.8	12319	99.9	10493	100.0
All	6348	100	4270	100.0	9675	100.0	5783	100.0	14153	100.0	5146	100.0	5608	100.0	5643	100.0	12329	100.0	10498	100.0
	IT		CY		LV		LT		LU		HU		MT		NL		AT		PL	
-2	.	.	.	.	769	17.2	776	15.6	7	0.2	.	.	.	.	1	0.0	32	0.5	760	5.3
-1	2047	9.76	.	.	179	4.0	.	.	1	0.0	41	0.5	3	0.1	9	0.1	.	.	.	.
1	18935	90.24	3505	100.0	3523	78.8	4199	84.4	3877	99.8	8696	99.5	3474	99.9	10209	99.9	6774	99.5	13526	94.7
All	20982	100	3505	100.0	4471	100.0	4975	100.0	3885	100.0	8737	100.0	3477	100.0	10219	100.0	6806	100.0	14286	100.0
	PT		RO		SI		SK		FI		SE		UK		IS		NO			
-2	557	12.92	3464	43.1	93	1.1	56	1.1	.	.	.	.	.	.	.	.	2	0.0	.	.
-1	22	0.5	.	.	.	.	.	.	27	0.3	11	0.2	159	1.7	27	0.9	6	0.1	.	.
1	3731	87	4567	56.9	8614	98.9	4885	98.9	10597	99.8	7172	99.9	9116	98.3	2845	99.1	6005	99.9	.	.
All	4310	100	8031	100.0	8707	100.0	4941	100.0	10624	100.0	7183	100.0	9275	100.0	2872	100.0	6013	100.0	.	.

MH040 F: DWELLING EQUIPPED WITH HEATING FACILITIES FLAG

	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
	BE		BG		CZ		DK		DE		EE		IE		EL		ES		FR	
-1	.	.	24	0.6	.	.	53	0.9	25	0.2	1	0.0	.	.	.	.	1	0.0	97	0.9
1	6348	100	4246	99.4	9675	100.0	5730	99.1	14128	99.8	5145	100.0	5608	100.0	5643	100.0	12328	100.0	10401	99.1
All	6348	100	4270	100.0	9675	100.0	5783	100.0	14153	100.0	5146	100.0	5608	100.0	5643	100.0	12329	100.0	10498	100.0
	IT		CY		LV		LT		LU		HU		MT		NL		AT		PL	
-1	1406	6.7	.	.	191	4.3	.	.	19	0.5	.	.	6	0.2	1	0.0	.	.	.	.
1	19576	93.3	3505	100.0	4280	95.7	4975	100.0	3866	99.5	8737	100.0	3471	99.8	10218	100.0	6806	100.0	14286	100.0
All	20982	100	3505	100.0	4471	100.0	4975	100.0	3885	100.0	8737	100.0	3477	100.0	10219	100.0	6806	100.0	14286	100.0
	PT		RO		SI		SK		FI		SE		UK		IS		NO			
-1	125	2.9	8031	100.0	.	.	14	0.3	34	0.3	13	0.2	149	1.6	14	0.5	8	0.1	.	.
1	4185	97	.	.	8707	100.0	4927	99.7	10590	99.7	7170	99.8	9126	98.4	2858	99.5	6005	99.9	.	.
All	4310	100	8031	100.0	8707	100.0	4941	100.0	10624	100.0	7183	100.0	9275	100.0	2872	100.0	6013	100.0	.	.

MH050 F: DWELLING COMFORTABLY WARM DURING WINTER TIME FLAG

	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
	BE		BG		CZ		DK		DE		EE		IE		EL		ES		FR	
-1	5	0.08	69	1.6	.	.	44	0.8	101	0.7	2	0.0	5608	100.0	.	.	3	0.0	105	1.0
1	6343	99.92	4201	98.4	9675	100.0	5739	99.2	14052	99.3	5144	100.0	.	.	5643	100.0	12326	100.0	10393	99.0
All	6348	100	4270	100.0	9675	100.0	5783	100.0	14153	100.0	5146	100.0	5608	100.0	5643	100.0	12329	100.0	10498	100.0
	IT		CY		LV		LT		LU		HU		MT		NL		AT		PL	
-1	.	.	.	.	191	4.3	.	.	5	0.1	7	0.1	.	.	107	1.1	1	0.0	.	.
1	20982	100	3505	100.0	4280	95.7	4975	100.0	3880	99.9	8730	99.9	3477	100.0	10112	99.0	6805	100.0	14286	100.0
All	20982	100	3505	100.0	4471	100.0	4975	100.0	3885	100.0	8737	100.0	3477	100.0	10219	100.0	6806	100.0	14286	100.0
	PT		RO		SI		SK		FI		SE		UK		IS		NO			
-1	25	0.6	.	.	.	.	.	.	12	0.1	135	1.9	181	2.0	20	0.7	17	0.3		
1	4285	99	8031	100.0	8707	100.0	4941	100.0	10612	99.9	7048	98.1	9094	98.1	2852	99.3	5996	99.7		
All	4310	100	8031	100.0	8707	100.0	4941	100.0	10624	100.0	7183	100.0	9275	100.0	2872	100.0	6013	100.0		

MH060 F: DWELLING EQUIPPED WITH AIR CONDITIONING FACILITIES FLAG

	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
	BE		BG		CZ		DK		DE		EE		IE		EL		ES		FR	
-1	.	.	30	0.7	.	.	16	0.3	1279	9.0	.	.	.	.	.	.	4	0.0	2	0.0
1	6348	100	4240	99.3	9675	100.0	5767	99.7	12874	91.0	5146	100.0	5608	100.0	5643	100.0	12325	100.0	10496	100.0
All	6348	100	4270	100.0	9675	100.0	5783	100.0	14153	100.0	5146	100.0	5608	100.0	5643	100.0	12329	100.0	10498	100.0
	IT		CY		LV		LT		LU		HU		MT		NL		AT		PL	
-1	.	.	.	.	191	4.3	.	.	.	.	3	0.0	9	0.3	1	0.0	.	.	.	.
1	20982	100	3505	100.0	4280	95.7	4975	100.0	3885	100.0	8734	100.0	3468	99.7	10218	100.0	6806	100.0	14286	100.0
All	20982	100	3505	100.0	4471	100.0	4975	100.0	3885	100.0	8737	100.0	3477	100.0	10219	100.0	6806	100.0	14286	100.0
	PT		RO		SI		SK		FI		SE		UK		IS		NO			
-1	7	0.2	.	.	.	.	.	.	4563	43.0	43	0.6	150	1.6	15	0.5	9	0.2		
1	4303	100	8031	100.0	8707	100.0	4941	100.0	6061	57.1	7140	99.4	9125	98.4	2857	99.5	6004	99.9		
All	4310	100	8031	100.0	8707	100.0	4941	100.0	10624	100.0	7183	100.0	9275	100.0	2872	100.0	6013	100.0		

MH070 F: DWELLING COMFORTABLY COOL DURING SUMMER TIME FLAG

	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
	BE		BG		CZ		DK		DE		EE		IE		EL		ES		FR	
-1	11	0.17	3982	93.3	.	.	78	1.4	76	0.5	.	.	14	0.3	.	.	21	0.2	223	2.1
1	6337	99.83	288	6.7	9675	100.0	5705	98.7	14077	99.5	5146	100.0	5594	99.8	5643	100.0	12308	99.8	10275	97.9
All	6348	100	4270	100.0	9675	100.0	5783	100.0	14153	100.0	5146	100.0	5608	100.0	5643	100.0	12329	100.0	10498	100.0
	IT		CY		LV		LT		LU		HU		MT		NL		AT		PL	
-1	.	.	.	.	194	4.3	.	.	32	0.8	5	0.1	7	0.2	61	0.6	16	0.2	.	.
1	20982	100	3505	100.0	4277	95.7	4975	100.0	3853	99.2	8732	99.9	3470	99.8	10158	99.4	6790	99.8	14286	100.0
All	20982	100	3505	100.0	4471	100.0	4975	100.0	3885	100.0	8737	100.0	3477	100.0	10219	100.0	6806	100.0	14286	100.0
	PT		RO		SI		SK		FI		SE		UK		IS		NO			
-1	17	0.4	8031	100.0	.	.	5	0.1	203	1.9	127	1.8	205	2.2	94	3.3	89	1.5		
1	4293	100	.	.	8707	100.0	4936	99.9	10421	98.1	7056	98.2	9070	97.8	2778	96.7	5924	98.5		
All	4310	100	8031	100.0	8707	100.0	4941	100.0	10624	100.0	7183	100.0	9275	100.0	2872	100.0	6013	100.0		

MH080 F: OVERALL SATISFACTION WITH DWELLING FLAG

	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
	BE		BG		CZ		DK		DE		EE		IE		EL		ES		FR	
-1	2	0.03	480	11.2	.	.	19	0.3	44	0.3	.	.	2	0.0	.	.	3	0.0	3	0.0
1	6346	99.97	3790	88.8	9675	100.0	5764	99.7	14109	99.7	5146	100.0	5606	100.0	5643	100.0	12326	100.0	10495	100.0
All	6348	100	4270	100.0	9675	100.0	5783	100.0	14153	100.0	5146	100.0	5608	100.0	5643	100.0	12329	100.0	10498	100.0
	IT		CY		LV		LT		LU		HU		MT		NL		AT		PL	
-1	.	.	.	.	191	4.3	.	.	.	.	8	0.1	6	0.2	4	0.0	100	1.5	.	.
1	20982	100	3505	100.0	4280	95.7	4975	100.0	3885	100.0	8729	99.9	3471	99.8	10215	100.0	6706	98.5	14286	100.0
All	20982	100	3505	100.0	4471	100.0	4975	100.0	3885	100.0	8737	100.0	3477	100.0	10219	100.0	6806	100.0	14286	100.0
	PT		RO		SI		SK		FI		SE		UK		IS		NO			
-1	15	0.4	52	0.7	.	.	2	0.0	17	0.2	19	0.3	154	1.7	18	0.6	8	0.1		
1	4295	100	7979	99.4	8707	100.0	4939	100.0	10607	99.8	7164	99.7	9121	98.3	2854	99.4	6005	99.9		
All	4310	100	8031	100.0	8707	100.0	4941	100.0	10624	100.0	7183	100.0	9275	100.0	2872	100.0	6013	100.0		

MH090 F: ACCESSIBILITY OF GROCERY SERVICES FLAG

	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
	BE		BG		CZ		DK		DE		EE		IE		EL		ES		FR	
-2	70	1.1	21	0.5	51	0.5	.	.	.	.	.	.	1	0.0	254	2.1	.	.	.	.
-1	.	.	13	0.3	.	.	2	0.0	60	0.4	.	.	1	0.0	140	1.1	45	0.4	.	.
1	6278	98.9	4236	99.2	9624	99.5	5781	100.0	14093	99.6	5146	100.0	5607	100.0	5642	100.0	11935	96.8	10453	99.6
All	6348	100	4270	100.0	9675	100.0	5783	100.0	14153	100.0	5146	100.0	5608	100.0	5643	100.0	12329	100.0	10498	100.0
	IT		CY		LV		LT		LU		HU		MT		NL		AT		PL	
-2	49	0.23	23	0.7	209	4.7	5	0.1	6	0.2	.	.	15	0.4	145	1.4	17	0.3	43	0.3
-1	.	.	.	.	191	4.3	.	.	2	0.1	8	0.1	26	0.8	4	0.0	.	.	.	.
1	20933	99.77	3482	99.3	4071	91.1	4970	99.9	3877	99.8	8729	99.9	3436	98.8	10070	98.5	6789	99.8	14243	99.7
All	20982	100	3505	100.0	4471	100.0	4975	100.0	3885	100.0	8737	100.0	3477	100.0	10219	100.0	6806	100.0	14286	100.0
	PT		RO		SI		SK		FI		SE		UK		IS		NO			
-2	1021	23.69	.	.	16	0.2	7	0.1	.	.	25	0.4	.	.	.	.	.	.	.	.
-1	6	0.1	.	.	.	.	5	0.1	22	0.2	12	0.2	154	1.7	19	0.7	7	0.1	.	.
1	3283	76	8031	100.0	8691	99.8	4929	99.8	10602	99.8	7146	99.5	9121	98.3	2853	99.3	6006	99.9	.	.
All	4310	100	8031	100.0	8707	100.0	4941	100.0	10624	100.0	7183	100.0	9275	100.0	2872	100.0	6013	100.0	.	.

MH100 F: ACCESSIBILITY OF BANKING SERVICES FLAG

	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
	BE		BG		CZ		DK		DE		EE		IE		EL		ES		FR	
-2	68	1.07	1001	23.4	1132	11.7	.	.	22	0.2	199	3.9	.	.	60	1.1	359	2.9	79	0.8
-1	.	.	23	0.5	.	.	8	0.1	65	0.5	.	.	11	0.2	.	.	17	0.1	66	0.6
1	6280	98.93	3246	76.0	8543	88.3	5775	99.9	14066	99.4	4947	96.1	5597	99.8	5583	98.9	11953	97.0	10353	98.6
All	6348	100	4270	100.0	9675	100.0	5783	100.0	14153	100.0	5146	100.0	5608	100.0	5643	100.0	12329	100.0	10498	100.0
	IT		CY		LV		LT		LU		HU		MT		NL		AT		PL	
-2	597	2.85	41	1.2	1179	26.4	1419	28.5	10	0.3	.	.	20	0.6	88	0.9	33	0.5	527	3.7
-1	.	.	.	.	191	4.3	.	.	2	0.1	10	0.1	26	0.8	3	0.0	.	.	.	.
1	20385	97.15	3464	98.8	3101	69.4	3556	71.5	3873	99.7	8727	99.9	3431	98.7	10128	99.1	6773	99.5	13759	96.3
All	20982	100	3505	100.0	4471	100.0	4975	100.0	3885	100.0	8737	100.0	3477	100.0	10219	100.0	6806	100.0	14286	100.0
	PT		RO		SI		SK		FI		SE		UK		IS		NO			
-2	1754	40.7	.	.	72	0.8	264	5.3	.	.	212	3.0	.	.	.	.	.	.	.	.
-1	12	0.3	.	.	.	.	4	0.1	23	0.2	26	0.4	223	2.4	20	0.7	13	0.2	.	.
1	2544	59	8031	100.0	8635	99.2	4673	94.6	10601	99.8	6945	96.7	9052	97.6	2852	99.3	6000	99.8	.	.
All	4310	100	8031	100.0	8707	100.0	4941	100.0	10624	100.0	7183	100.0	9275	100.0	2872	100.0	6013	100.0	.	.

MH110 F: ACCESSIBILITY OF POSTAL SERVICES FLAG

	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
	BE		BG		CZ		DK		DE		EE		IE		EL		ES		FR	
-2	58	0.91	387	9.1	86	0.9	.	.	62	0.4	187	3.6	.	.	108	1.9	4095	33.2	412	3.9
-1	2	0.03	13	0.3	.	.	22	0.4	270	1.9	.	.	5	0.1	.	.	79	0.6	71	0.7
1	6288	99.05	3870	90.6	9589	99.1	5761	99.6	13821	97.7	4959	96.4	5603	99.9	5535	98.1	8155	66.1	10015	95.4
All	6348	100	4270	100.0	9675	100.0	5783	100.0	14153	100.0	5146	100.0	5608	100.0	5643	100.0	12329	100.0	10498	100.0
	IT		CY		LV		LT		LU		HU		MT		NL		AT		PL	
-2	126	0.6	498	14.2	481	10.8	384	7.7	26	0.7	.	.	111	3.2	248	2.4	40	0.6	174	1.2
-1	.	.	.	.	191	4.3	.	.	2	0.1	10	0.1	26	0.8	5	0.1	.	.	.	.
1	20856	99.4	3007	85.8	3799	85.0	4591	92.3	3857	99.3	8727	99.9	3340	96.1	9966	97.5	6766	99.4	14112	98.8
All	20982	100	3505	100.0	4471	100.0	4975	100.0	3885	100.0	8737	100.0	3477	100.0	10219	100.0	6806	100.0	14286	100.0
	PT		RO		SI		SK		FI		SE		UK		IS		NO			
-2	1660	38.52	.	.	53	0.6	16	0.3	62	0.6	98	1.4	.	.	.	.	.	.	.	.
-1	11	0.3	.	.	.	.	3	0.1	8	0.1	35	0.5	164	1.8	50	1.7	13	0.2	.	.
1	2639	61	8031	100.0	8654	99.4	4922	99.6	10554	99.3	7050	98.2	9111	98.2	2822	98.3	6000	99.8	.	.
All	4310	100	8031	100.0	8707	100.0	4941	100.0	10624	100.0	7183	100.0	9275	100.0	2872	100.0	6013	100.0	.	.

MH120 F: ACCESSIBILITY OF PUBLIC TRANSPORT FLAG

	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
	BE		BG		CZ		DK		DE		EE		IE		EL		ES		FR	
-2	134	2.11	325	7.6	1067	11.0	.	.	463	3.3	731	14.2	.	.	368	6.5	5567	45.2	7112	67.8
-1	2	0.03	17	0.4	.	.	54	0.9	85	0.6	.	.	22	0.4	.	.	47	0.4	7	0.1
1	6212	97.86	3928	92.0	8608	89.0	5729	99.1	13605	96.1	4415	85.8	5586	99.6	5275	93.5	6715	54.5	3379	32.2
All	6348	100	4270	100.0	9675	100.0	5783	100.0	14153	100.0	5146	100.0	5608	100.0	5643	100.0	12329	100.0	10498	100.0
	IT		CY		LV		LT		LU		HU		MT		NL		AT		PL	
-2	3262	15.55	2388	68.1	753	16.8	669	13.5	297	7.6	.	.	689	19.8	2002	19.6	231	3.4	712	5.0
-1	.	.	.	.	191	4.3	.	.	2	0.1	14	0.2	25	0.7	4	0.0	.	.	.	.
1	17720	84.45	1117	31.9	3527	78.9	4306	86.6	3586	92.3	8723	99.8	2763	79.5	8213	80.4	6575	96.6	13574	95.0
All	20982	100	3505	100.0	4471	100.0	4975	100.0	3885	100.0	8737	100.0	3477	100.0	10219	100.0	6806	100.0	14286	100.0
	PT		RO		SI		SK		FI		SE		UK		IS		NO			
-2	1949	45.22	.	.	429	4.9	242	4.9	2503	23.6	580	8.1	4423	47.7	.	.	.	.	.	.
-1	43	1.0	.	.	.	.	4	0.1	10	0.1	54	0.8	158	1.7	176	6.1	52	0.9	.	.
1	2318	54	8031	100.0	8278	95.1	4695	95.0	8111	76.4	6549	91.2	4694	50.6	2696	93.9	5961	99.1	.	.
All	4310	100	8031	100.0	8707	100.0	4941	100.0	10624	100.0	7183	100.0	9275	100.0	2872	100.0	6013	100.0	.	.

MH130 F: ACCESSIBILITY OF PRIMARY HEALTH CARE SERVICES FLAG

	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
	BE		BG		CZ		DK		DE		EE		IE		EL		ES		FR	
-2	59	0.93	167	3.9	49	0.5	.	.	46	0.3	41	0.8	.	.	20	0.4	655	5.3	172	1.6
-1	4	0.06	12	0.3	.	.	21	0.4	104	0.7	.	.	8	0.1	.	.	27	0.2	67	0.6
1	6285	99.01	4091	95.8	9626	99.5	5762	99.6	14003	98.9	5105	99.2	5600	99.9	5623	99.7	11647	94.5	10259	97.7
All	6348	100	4270	100.0	9675	100.0	5783	100.0	14153	100.0	5146	100.0	5608	100.0	5643	100.0	12329	100.0	10498	100.0
	IT		CY		LV		LT		LU		HU		MT		NL		AT		PL	
-2	111	0.53	14	0.4	145	3.2	38	0.8	22	0.6	.	.	126	3.6	454	4.4	42	0.6	94	0.7
-1	.	.	.	.	191	4.3	.	.	2	0.1	9	0.1	25	0.7	55	0.5	2	0.0	.	.
1	20871	99.47	3491	99.6	4135	92.5	4937	99.2	3861	99.4	8728	99.9	3326	95.7	9710	95.0	6762	99.4	14192	99.3
All	20982	100	3505	100.0	4471	100.0	4975	100.0	3885	100.0	8737	100.0	3477	100.0	10219	100.0	6806	100.0	14286	100.0
	PT		RO		SI		SK		FI		SE		UK		IS		NO			
-2	1421	32.97	.	.	7	0.1	9	0.2	348	3.3	215	3.0	.	.	.	.	.	.	.	.
-1	8	0.2	.	.	.	.	3	0.1	8	0.1	177	2.5	175	1.9	34	1.2	56	0.9	.	.
1	2881	67	8031	100.0	8700	99.9	4929	99.8	10268	96.7	6791	94.5	9100	98.1	2838	98.8	5957	99.1	.	.
All	4310	100	8031	100.0	8707	100.0	4941	100.0	10624	100.0	7183	100.0	9275	100.0	2872	100.0	6013	100.0	.	.

MH140 F: ACCESSIBILITY OF COMPULSORY SCHOOL FLAG

	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
	BE		BG		CZ		DK		DE		EE		IE		EL		ES		FR	
-2	2261	35.62	1186	27.8	8047	83.2	4292	74.2	5453	38.5	3683	71.6	3935	70.2	3055	54.1	8686	70.5	8017	76.4
-1	2	0.03	695	16.3	.	.	9	0.2	399	2.8	.	.	5	0.1	.	.	278	2.3	36	0.3
1	4085	64.35	2389	56.0	1628	16.8	1482	25.6	8301	58.7	1463	28.4	1668	29.7	2588	45.9	3365	27.3	2445	23.3
All	6348	100	4270	100.0	9675	100.0	5783	100.0	14153	100.0	5146	100.0	5608	100.0	5643	100.0	12329	100.0	10498	100.0
	IT		CY		LV		LT		LU		HU		MT		NL		AT		PL	
-2	13314	63.45	2417	69.0	3679	82.3	3972	79.8	2745	70.7	6649	76.1	2222	63.9	7530	73.7	5435	79.9	7048	49.3
-1	.	.	.	.	43	1.0	.	.	18	0.5	302	3.5	42	1.2	3	0.0	10	0.2	.	.
1	7668	36.55	1088	31.0	749	16.8	1003	20.2	1122	28.9	1786	20.4	1213	34.9	2686	26.3	1361	20.0	7238	50.7
All	20982	100	3505	100.0	4471	100.0	4975	100.0	3885	100.0	8737	100.0	3477	100.0	10219	100.0	6806	100.0	14286	100.0
	PT		RO		SI		SK		FI		SE		UK		IS		NO			
-2	3328	77.22	.	.	6366	73.1	3651	73.9	8108	76.3	5644	78.6	7206	77.7	1880	65.5	61	1.0	.	.
-1	15	0.4	.	.	.	.	4	0.1	2	0.0	15	0.2	4	0.0	44	1.5	4444	73.9	.	.
1	967	22	8031	100.0	2341	26.9	1286	26.0	2514	23.7	1524	21.2	2065	22.3	948	33.0	1508	25.1	.	.
All	4310	100	8031	100.0	8707	100.0	4941	100.0	10624	100.0	7183	100.0	9275	100.0	2872	100.0	6013	100.0	.	.

MH150 F: CHANGE OF DWELLING FLAG

	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
	BE		BG		CZ		DK		DE		EE		IE		EL		ES		FR	
-1	.	.	22	0.5	.	.	4	0.1	.	.	.	.	101	1.8	.	.	150	1.2	3	0.0
1	6348	100	4248	99.5	9675	100.0	5779	99.9	14153	100.0	5146	100.0	5507	98.2	5643	100.0	12179	98.8	10495	100.0
All	6348	100	4270	100.0	9675	100.0	5783	100.0	14153	100.0	5146	100.0	5608	100.0	5643	100.0	12329	100.0	10498	100.0
	IT		CY		LV		LT		LU		HU		MT		NL		AT		PL	
-1	.	.	.	.	191	4.3	.	.	.	.	.	.	5	0.1	.	.	9	0.1	.	.
1	20982	100	3505	100.0	4280	95.7	4975	100.0	3885	100.0	8737	100.0	3472	99.9	10219	100.0	6797	99.9	14286	100.0
All	20982	100	3505	100.0	4471	100.0	4975	100.0	3885	100.0	8737	100.0	3477	100.0	10219	100.0	6806	100.0	14286	100.0
	PT		RO		SI		SK		FI		SE		UK		IS		NO			
-1	1	0.0	.	.	.	.	.	.	6	0.1	8	0.1	149	1.6	11	0.4	7	0.1		
1	4309	100	8031	100.0	8707	100.0	4941	100.0	10618	99.9	7175	99.9	9126	98.4	2861	99.6	6006	99.9		
All	4310	100	8031	100.0	8707	100.0	4941	100.0	10624	100.0	7183	100.0	9275	100.0	2872	100.0	6013	100.0		

MH160 F: MAIN REASON FOR CHANGE OF DWELLING FLAG

	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
	BE		BG		CZ		DK		DE		EE		IE		EL		ES		FR	
-2	5647	88.96	4157	97.4	9339	96.5	5015	86.7	12950	91.5	4835	94.0	5372	95.8	5293	93.8	11561	93.8	9046	86.2
-1	.	.	26	0.6	.	.	11	0.2	3	0.0	1	0.0	.	.	.	.	12	0.1	4	0.0
1	701	11.04	87	2.0	336	3.5	757	13.1	1200	8.5	310	6.0	236	4.2	350	6.2	756	6.1	1448	13.8
All	6348	100	4270	100.0	9675	100.0	5783	100.0	14153	100.0	5146	100.0	5608	100.0	5643	100.0	12329	100.0	10498	100.0
	IT		CY		LV		LT		LU		HU		MT		NL		AT		PL	
-2	19362	92.28	3199	91.3	4313	96.5	4820	96.9	3313	85.3	8191	93.8	3423	98.5	9248	90.5	6067	89.1	13761	96.3
-1	.	.	.	.	.	.	.	.	12	0.3	86	1.0	2	0.1	1	0.0	1	0.0	.	.
1	1620	7.72	306	8.7	158	3.5	155	3.1	560	14.4	460	5.3	52	1.5	970	9.5	738	10.8	525	3.7
All	20982	100	3505	100.0	4471	100.0	4975	100.0	3885	100.0	8737	100.0	3477	100.0	10219	100.0	6806	100.0	14286	100.0
	PT		RO		SI		SK		FI		SE		UK		IS		NO			
-2	4138	96.01	7876	98.1	8452	97.1	4773	96.6	8932	84.1	5671	79.0	8169	88.1	2167	75.5	4829	80.3		
-1	.	.	155	1.9	.	.	.	.	1	0.0	1	0.0	.	.	2	0.1	2	0.0		
1	172	4	.	.	255	2.9	168	3.4	1691	15.9	1511	21.0	1106	11.9	703	24.5	1182	19.7		
All	4310	100	8031	100.0	8707	100.0	4941	100.0	10624	100.0	7183	100.0	9275	100.0	2872	100.0	6013	100.0		

ANNEX 3: CROSS-TABULATION OF CHANGE OF DWELLING VERSUS MAIN REASON FOR CHANGE OF DWELLING

	MH150: Change of Dwelling		MH160: Main reason for change of dwelling		
			flag		value
			-2	-1	1
Belgium	flag	-1	0	0	0
	value	1	0	0	701
Bulgaria	flag	-1	22	0	0
	value	1	0	26	87
Czech Republic	flag	-1	0	0	0
	value	1	0	0	336
Denmark	flag	-1	4	0	0
	value	1	0	11	757
Germany	flag	-1	0	0	0
	value	1	0	3	1200
Estonia	flag	-1	0	0	0
	value	1	0	1	310
Ireland	flag	-1	101	0	0
	value	1	0	0	236
Greece	flag	-1	0	0	0
	value	1	0	0	350
Spain	flag	-1	150	0	0
	value	1	0	12	756
France	flag	-1	3	0	0
	value	1	0	4	1448
Italy	flag	-1	0	0	0
	value	1	0	0	1620
Cyprus	flag	-1	0	0	0
	value	1	0	0	306
Latvia	flag	-1	191	0	0
	value	1	0	0	158
Lithuania	flag	-1	0	0	0
	value	1	0	0	155
Luxembourg	flag	-1	0	0	0
	value	1	0	12	560

	MH150: Change of Dwelling		MH160: Main reason for change of dwelling		
			flag		value
			-2	-1	1
Hungary	flag	-1	0	0	0
	value	1	0	86	460
Malta	flag	-1	5	0	0
	value	1	0	2	52
The Netherlands	flag	-1	0	0	0
	value	1	0	1	970
Austria	flag	-1	9	0	0
	value	1	0	1	738
Poland	flag	-1	0	0	0
	value	1	0	0	525
Portugal	flag	-1	1	0	0
	value	1	0	0	172
Romania	flag	-1	0	0	0
	value	1	0	155	0
Slovenia	flag	-1	0	0	0
	value	1	0	0	255
Slovakia	flag	-1	0	0	0
	value	1	0	0	168
Finland	flag	-1	6	0	0
	value	1	0	1	1691
Sweden	flag	-1	8	0	0
	value	1	0	1	1511
United Kingdom	flag	-1	149	0	0
	value	1	0	0	1106
Iceland	flag	-1	11	0	0
	value	1	0	2	703
Norway	flag	-1	7	0	0
	value	1	0	2	1182