



REPUBLIC OF SLOVENIA



STATISTICAL OFFICE OF THE REPUBLIC OF SLOVENIA

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# INTERMEDIATE QUALITY REPORT

## EU-SILC-2010 Slovenia

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## 1.1 Common cross-sectional European Union indicators based on the cross-sectional component of EU-SILC

### Primary Laeken indicators of social cohesion

#### Indicator 1: At-risk-of-poverty rate with breakdown by age and gender

|       | At-risk-of-poverty rate (%) |
|-------|-----------------------------|
| total | 12.7                        |
| men   | 11.3                        |
| women | 14.1                        |
| 0-17  | 12.6                        |
| 18-24 | 10.0                        |
| men   | 9.8                         |
| women | 10.3                        |
| 25-49 | 10.0                        |
| men   | 10.1                        |
| women | 9.9                         |
| 50-64 | 13.3                        |
| men   | 13.4                        |
| women | 13.3                        |
| 65+   | 20.2                        |
| men   | 9.5                         |
| women | 27.1                        |

#### Indicator 1.a: At-risk-of-poverty rate by household type

|   | At-risk-of-poverty rate (%) |
|---|-----------------------------|
| all households without dependent children                             | 15.6                        |
| one person household, total   | 38.5                        |
| one person household, male  | 30.1                        |
| one person household, female  | 44.3                        |
| one person household, under 65 years                                  | 33.5                        |
| one person household, under 65 years, male                            | 33.4                        |
| one person household, under 65 years, female                          | 33.7                        |
| one person household, 65 years or more                                | 44.0                        |
| one person household, 65 years or more, male                          | 17.3                        |
| one person household, 65 years or more, female                        | 49.8                        |
| two adults no dependent children, both adults under 65 years          | 9.7                         |
| two adults no dependent children, at least one adult 65 years or more | 10.9                        |
| other households without dependent children                           | 5.5                         |
| all households with dependent children                                | 10.5                        |
| single parent household, one or more dependent children               | 31.4                        |
| two adults, one dependent child                                       | 8.5                         |
| two adults, two dependent children                                    | 9.0                         |
| two adults, three or more dependent children                          | 13.6                        |
| other households with dependent children                              | 6.7                         |

#### Indicator 1.b: At-risk-of-poverty rate by the work intensity of household

|   | WI = 0 | 0 < WI < 0.5 | 0.5 <= WI < 1 | WI = 1 |
|---|--------|--------------|---------------|--------|
| all households without dependent children | 31.9   | 18.5         | 4.5           | 4.9    |
| all households with dependent children    | 74.8   | 38.6         | 16.1          | 3.1    |

**Indicator 1.c: At-risk-of-poverty rate by most frequent activity status and gender**

|                | Age 16+ | Age 16-64 | Age 18+ | Age 18-64 | Age 65+ |
|----------------|---------|-----------|---------|-----------|---------|
| Total          | 12.5    | 10.7      | 12.5    | 10.7      | 20.2    |
| Men            | 10.5    | 10.7      | 10.4    | 10.6      | 9.5     |
| Women          | 14.4    | 10.8      | 14.4    | 10.7      | 27.1    |
| At work        | 5.3     | 5.3       | 5.3     | 5.3       | (6.0)   |
| Men            | 6.2     | 6.2       | 6.2     | 6.2       | (9.0)   |
| Women          | 4.2     | 4.2       | 4.2     | 4.2       | .       |
| Not at work    | 20.2    | 20.2      | 20.7    | 21.0      | 20.2    |
| Men            | 16.4    | 20.2      | 16.7    | 21.1      | 9.5     |
| Women          | 23.0    | 20.2      | 23.6    | 20.9      | 27.2    |
| Unemployed     | 44.2    | 44.2      | 44.1    | 44.1      | .       |
| Men            | 44.5    | 44.5      | 44.6    | 44.6      | .       |
| Women          | 43.8    | 43.8      | 43.7    | 43.7      | .       |
| Retired        | 18.3    | 15.0      | 18.3    | 15.0      | 20.2    |
| Men            | 12.1    | 16.6      | 12.1    | 16.6      | 9.5     |
| Women          | 22.5    | 13.8      | 22.5    | 13.8      | 27.2    |
| Other inactive | 14.4    | 14.3      | 14.9    | 14.8      | (28.0)  |
| Men            | 12.3    | 12.3      | 12.3    | 12.3      | .       |
| Women          | 16.1    | 16.0      | 16.9    | 16.9      | .       |

- no occurrence of event
- . extremely inaccurate estimate
- ( ) less accurate estimate

**Indicator 1.d: At-risk-of-poverty rate by accommodation tenure status, age and gender**

|                    | At-risk-of-poverty rate (%) |
|--------------------|-----------------------------|
| <b>Age 0+</b>      |                             |
| owner or rent-free | 11.5                        |
| Men                | 10.0                        |
| Women              | 12.9                        |
| Tenant             | 27.6                        |
| Men                | 26.3                        |
| Women              | 29.0                        |
| <b>Age 0-17</b>    |                             |
| owner or rent-free | 10.8                        |
| Tenant             | 30.3                        |
| <b>Age 18-64</b>   |                             |
| owner or rent-free | 9.7                         |
| Men                | 9.6                         |
| Women              | 9.7                         |
| Tenant             | 26.0                        |
| Men                | 26.0                        |
| Women              | 26.0                        |
| <b>Age 65+</b>     |                             |
| owner or rent-free | 19.7                        |
| Men                | 9.5                         |
| Women              | 26.4                        |
| Tenant             | 35.4                        |
| Men                | (9.0)                       |
| Women              | 42.9                        |

( ) less accurate estimate

**Indicator 2: At-risk-of-poverty threshold**

|         | At-risk-of-poverty threshold | At-risk-of-poverty threshold for a household consisting of two adults and two children |
|---------|------------------------------|--|
| in EURO | 7042                         | 14787  |
| in PPS  | 8345                         | 17525  |

\*Exchange rates for EUR and PPS: Eurostat, New Cronos.

**Indicator 3: Inequality of income distribution S80/S20 quintile share ratio**

|           |     |
|-----------|-----|
| S80 / S20 | 3.4 |
|-----------|-----|

**Indicator 4: Relative at-risk-of poverty gap by age and gender**

|       | Relative at-risk-of-poverty gap (%) |
|-------|-------------------------------------|
| Total | 20.2                                |
| Men   | 20.9                                |
| Women | 19.1                                |
| 0-17  | 20.6                                |
| 18-64 | 20.5                                |
| Men   | 21.5                                |
| Women | 19.4                                |
| 65+   | 18.9                                |
| Men   | 20.3                                |
| Women | 18.8                                |

**Secondary Laeken indicators of social cohesion****Indicator 13: Dispersion around the at-risk-of-poverty threshold by age and gender**

|         | At-risk-of-poverty rate for 40% cut-off (%) | At-risk-of-poverty rate for 50% cut-off (%) | At-risk-of-poverty rate for 70% cut-off (%) |
|---------|---|---|---|
| total   | 3.1   | 7.3   | 19.7  |
| men     | 3.3   | 6.7   | 18.3  |
| women   | 3.0   | 7.9   | 21.2  |
| 0-17    | 3.5   | 7.2   | 20.4  |
| 18-64   | 3.0   | 6.4   | 17.4  |
| men     | 3.4   | 6.8   | 17.4  |
| women   | 2.6   | 6.1   | 17.5  |
| age 65+ | 3.0   | 11.4  | 29.0  |
| men     | 2.0   | 5.2   | 17.4  |
| women   | 3.7   | 15.4  | 36.5  |

**Indicator 14: At-risk-of-poverty rate before social transfers by age and gender**

|       | At risk of poverty rate before social transfers (excluding old-age and survivor's pensions) (%) | At risk of poverty rate before all social transfers (including pensions) (%) |
|-------|---|--|
| Total | 24.2  | 39.9   |
| Men   | 23.0  | 37.6   |
| Women | 25.4  | 42.1   |
| 0-17  | 25.9  | 28.0   |
| 18-64 | 21.9  | 32.1   |
| Men   | 21.5  | 31.1   |
| Women | 22.3  | 33.2   |
| 65+   | 32.1  | 88.4   |
| Men   | 23.9  | 87.5   |
| Women | 37.4  | 88.9   |

**Indicator 15: Gini coefficient**

|          |      |
|----------|------|
| Gini (%) | 23.8 |
|----------|------|

## **Other indicators**

### **Indicator: Mean equivalised disposable income**

|                                    | in EURO* | in PPS* |
|------------------------------------|----------|---------|
| Mean equivalised disposable income | 12653    | 14995   |

\*Exchange rates for EUR and PPS: Eurostat, New Cronos.

The source for Laekens indicators is EU-SILC cross-sectional database 2010.

## 2 Accuracy

### 2.1 Sample design

#### 2.1.1 Type of sampling design (stratified, multi-stage, clustered)

As in previous year the sample design for Slovenian EU-SILC 2010 was two-stage stratified design. In each stratum primary sampling units (PSUs) were firstly systematically selected, and in the second stage 7 persons were selected in each PSU.

We have used rotational design, meaning that three waves were preserved from the previous year and just one wave was additionally selected using the described design.

#### 2.1.2 Sampling units (one stage, two stages)

In the first stage primary sampling units were selected. Primary sampling units are clusters of enumeration areas, which are approximately of the same size. In the second stage 7 persons were selected in each of the selected primary unit. Unit of observation are selected persons living in private households in Slovenia and their households. The data are collected from all household members who were on 31st December 2009 aged 16 years or more. The selected person is also the sample person; other household members are not sample persons.

#### 2.1.3 Stratification and sub-stratification criteria

The sampling frame of persons aged 16 years or more is divided into 6 strata, which are defined according to the size of the settlement and the proportion of agricultural households in the settlement:

1. The first stratum includes settlements with fewer than 2.000 inhabitants and with less than 30% of agricultural households;
2. The second stratum includes settlements with fewer than 2.000 inhabitants and with at least 30% agricultural households;
3. The third stratum includes settlements which have from 2.000 to 10.000 inhabitants;
4. The fourth stratum includes settlements which have from 10.000 to 80.000 inhabitants;
5. The fifth stratum is Maribor (the second largest city in Slovenia with approx. 93.000 inhabitants);
6. The sixth stratum is Ljubljana (Slovenia's capital with approx. 250.000 inhabitants).

When selecting the primary sampling units, explicit stratification according to the type of settlement was used (6 strata). Since we wanted to maintain regional representativeness, implicit stratification according to the statistical region was applied. It means that the list of units within strata was sorted according to statistical regions. In Slovenia there are 12 statistical (NUTS3) regions:

1. Pomurska
2. Podravska
3. Koroška
4. Savinjska
5. Zasavska
6. Spodnjeposavska
7. Jugovzhodna Slovenija
8. Osrednjeslovenska
9. Gorenjska
10. Notranjsko-kraška
11. Goriška
12. Obalno-kraška

#### 2.1.4 Sample size and allocation criteria

In Eurostat's document *SILC/138/04 Framework Regulation; Annex 2 on Sample Sizes*, the minimal net sample size is defined according to different sample design schemes. Since in Slovenia we have a sample of persons, but in the household only the selected person is the sample person who responds to "Social" variables, we have to obtain responses from at least 6750 selected persons and their households.

The sampling frame was divided into 6 strata. When we calculated the strata allocation, we took into account the responses rates from the previous year. The strata with lower response rates were oversampled.. Table 1 shows how the structure alters because of the oversampling of some strata.

**Table 1: Distribution of the settlements in six strata according to the number of inhabitants and the proportion of rural households in the settlement (the first wave)**

| Strata. distribution of settlements | Population structure | Altered structure due to oversampling |
|-------------------------------------|----------------------|---------------------------------------|
| Fewer than 2000 inhab.. not rural   | 29.80%               | 29.14%                                |
| Fewer than 2000 inhab.. rural       | 23.04%               | 22.21%                                |
| From 2000 to 10000 inhab.           | 16.13%               | 16.12%                                |
| From 10000 to 80000 inhab.          | 13.33%               | 14.00%                                |
| Maribor                             | 4.64%                | 4.67%                                 |
| Ljubljana                           | 13.07%               | 13.86%                                |

The sample size of the new part of the sample was 4949 selected persons (households).

We kept 7755 households from the previous year. The total sample size in 2010 was thus 12704.

## 2.1.5 Sample selection schemes

The sampling frame was divided into 6 strata and each stratum was sorted by 12 statistical regions. This way we implicitly stratified the sample also by statistical region. Persons aged 16 years were oversampled. In each sampling unit, persons aged 16 years and others were separately selected.

a ... number of primary sampling units

b ... number of persons, who are selected in PSU (= 7)

$p_i$  ... proportion of persons aged 16 in PSU  $i$

$b_1$  ... number of persons aged 16 who are selected in PSU  $i$

$b_2$  ... number of persons aged 17 or more who are selected in PSU  $i$

$p_{16}$  ... proportion of persons aged 16 in the population

Probability of selection of person aged 16 in PSU  $i$  is  $\frac{aN_i}{\sum N_i} \cdot \frac{b_1}{p_i N_i}$

Probability of selection of person aged 17 or more in PSU  $i$  is  $\frac{aN_i}{\sum N_i} \cdot \frac{b_2}{(1-p_i)N_i}$

Conditions:

$$\frac{aN_i}{\sum N_i} \cdot \frac{b_1}{p_i N_i} = (1 + p_{16}) \cdot \frac{aN_i}{\sum N_i} \cdot \frac{b_2}{(1-p_i)N_i} ,$$

$$b = b_1 + b_2$$

We obtain a uniquely solvable system of two linear equations with two unknowns. Thus in the selected sampling unit  $i$  we select:

$$b_1 = \frac{(1 + p_{16}) \cdot p_i b}{(1 + p_i)} \quad \text{16-years olds and}$$

$$b_2 = \frac{(1 - 0.014 \cdot p_i) b}{(1 + p_i)} \quad \text{persons, aged 17 or more.}$$

Because of decimal number of selected persons in PSU ( $b_1$ ,  $b_2$ ), size of PSUs is between 6 and 8.

## 2.1.6 Sample distribution over time

Fieldwork for CAPI interviewing lasted from 1<sup>st</sup> February until 14<sup>th</sup> June 2010 and for CATI interviewing lasted from 1<sup>st</sup> February until 1<sup>st</sup> April 2010. By CATI interviewing is sample distribution over time randomised, by CAPI interviewing the interviewers had define only the last date, when they had to send completed data to the office. Interviewers got in advance complete list of households which they had to interview. The distribution when interview took place is described in item 3.1. "basic concepts and definitions"

## 2.1.7 Renewal of sample: rotational groups

The sampling frame has a four-year rotational design. Persons and their households remain in the sample for four years or four waves; each year one quarter of the sample is replaced. One quarter of the sample is dropped and one quarter is added

each year. Each quarter of the sample is called a rotational group and has to be representative for the target population.

**Table 2: Number of PSU and selected persons by rotational groups**

| Rotational group (DB075) | Number of PSUs | Number of selected persons |
|--------------------------|----------------|----------------------------|
| 1                        | 653            | 1876                       |
| 2                        | 745            | 2637                       |
| 3                        | 715            | 3242                       |
| 4                        | 707            | 4949                       |
| Total                    | 2820           | 12704                      |

New entries in 2010 are households where rotational group is 4 (DB075=4).

## 2.1.8 Weighting

As in previous years the cross-sectional weights for the first wave were calculated differently as those for the consecutive waves.

### 2.1.8.1 Cross-sectional weights for the first wave

The weights were calculated in three consecutive steps. In the first step the sampling weight (design factor), in the second the non-response adjustment factor and in the third the calibration factor was calculated. The final weight was the product of all three factors. The weights were calculated for the selected household (selected person of the household) and for all the persons included in the survey.

In EU-SILC the sample of persons aged 16 years or more was selected from the Central Register of Population. Sample persons and their households were interviewed.

#### 2.1.8.1.1 Design factor

The sampling weight for the sample person *PB070* is inversely proportional to the probability of selection and the weight is calculated when the person is selected in the sample. For the persons that were in the sample also in the previous year, the sampling weight is taken from the previous year, yet the sampling weights are to be calculated just for the persons that are new in the sample. Since the PPS 2-stage sampling was used, the sampling weight for the selected person in the particular stratum ( $h$ ), can simple be calculated as  $w_h = \frac{N_h}{n_h}$ , where  $N_h$  is the stratum numbers

of the persons in the sampling frame and  $n_h$  is the stratum numbers of the persons in the sample.

The sampling weight of the household of the selected person: *DB080*

Since SORS doesn't yet have a register of households, the selection of the household is done with the selection of the person. Since households with more persons aged 16 years or more have a larger probability of selection then smaller

households, this has to be corrected with weighting in such a way that all households have equal probability of being selected in the sample. Thus the probability of selection of the household is equal to the probability of selection of the person divided by the number of eligible persons (aged 16+) in the household  $M$ :

$$DB080=PB070 / M_h$$

The sampling weight for the households has to be calculated for all households in the sample, not only for the responding households. Since for the households that did not respond we do not know their size, we have calculated the average size of the household of persons aged 16 or more according to different statistical regions and type of settlement (47 classes) and we imputed this value to households that did not respond. Thus we could calculate the probability of selection also for households that did not respond.

### **2.1.8.1.2 Non-response adjustments**

The non-response factor was calculated for each stratum. First the sample was divided into three categories: responses, non-responses and out-of-scope units. The non-response adjustment factor is calculated:  $w_{NR} = \frac{n_h^r + n_h^{nr}}{n_h^r}$ , where  $n_h^r$  is the number of the responses in the stratum and  $n_h^{nr}$  number of the non-responses in the stratum.

### **2.1.8.1.3 Adjustments to external data (level, variables used and sources)**

The final step of the calculation of the weights was the calculation of the calibration factors. By the calibration procedures the weighted sums of some key variables are set to the known population values. These population values are obtained from the different administrative sources. For the calibration of weights we used SAS Macro Calmar. We performed calibration for the level of households, as well as for the level of the persons.

For the calibration we used:

1. for households:

- Family and children related allowance (HY050) from the administrative source for family and children related allowances

2. for persons:

- Sex- age classes distribution from the Central Register of Population
- Employee cash or near cash income minus sickness benefits from the administrative source for incomes
- Pensions from the administrative sources for pensions

- Unemployment benefits (PY090) from the administrative source for unemployment benefits
- Education related allowances from the statistical source about scholarships

#### **2.1.8.1.4 Final cross-sectional weights**

The cross-sectional weight for the household (*DB090*) is equal to the calibrated weight. The sum of weights is equal to the sum of the estimated number of households in Slovenia.

With the selected person also the household which has to be interviewed is defined. All household members have the same weight, this is the cross-sectional weight. The cross-sectional weight of the person *RB050*, which all persons get in the household register, and the cross-sectional weight of persons aged 16 years or more *PB040* in the person register are equal to the cross-sectional weight of the household.

$$RB050 = PB040 = DB090$$

The cross-sectional weight for the selected person *PB060* is equal to the cross-sectional weight of the household of this person multiplied by the number of persons aged 16+:

$$PB060 = DB090 * M_h$$

The cross-sectional weight for children who were younger than 13 years on 31st December 2008 is *RL070*.

Weights are calculated in this way that we calculate for each age group a factor:

$$f_i = \text{number of children in the population} / \text{weighted number of children in the survey}, \\ i=1,2,\dots,12.$$

With this factor we multiply the cross-sectional weight *RB050* of a child in the corresponding age group.

$$RL070 = f_i * RB050, \quad i=1,2,\dots,12$$

The base weights for the persons in the first wave are equal to the cross-sectional weights for the persons.

### **2.1.8.2 Cross-sectional weights for the consecutive waves**

#### **2.1.8.2.1 Base weights**

The Base weights for the persons were calculated by taking the base weights from the previous year and then adjust these weights for the attrition in the Sex- age classes. Using the weight-share method we then calculated the weights for the immigrants, re-entries and newborns. After that for each of the rotational groups the weights were adjusted to the adequate longitudinal population counts in each Sex-age class.

### 2.1.8.2.2 Final cross-sectional weights

The cross-sectional weights for the households were calculated by firstly taking the average of the base weights for the belonging persons and then calibrate these weights for each rotational group to the same margin values as used in 2.8.1.3. The cross-sectional weights for the persons and selected persons were calculated by the same procedure as used for the first wave.

### 2.1.8.3 Longitudinal weights

The longitudinal weights were calculated by taking the base weights and then calibrate these weights to the Sex-age structure of the corresponding longitudinal population which was determined as the overlap of the register population in the consecutive years.

### 2.1.9 Substitutions

In EU-SILC we did not have substitute units.

## 2.2 Sampling errors

### 2.2.1 Standard error and effective sample size

**Table 3: Standard errors and achieved sampled size for some indicators were calculated by using the Bootstrap replication method:**

| Indicator   | Value        | Achieved sample size | Standard error | Confidence Interval at 95% |       | CV(%) |
|---|--------------|----------------------|----------------|----------------------------|-------|-------|
|   |              |                      |                | Lower                      | Upper |       |
| <b>At-risk-of-poverty rate after social transfers</b> |              |                      |                |                            |       |       |
| Total   | <b>12,7%</b> | 29520                | 0.35%          | 12.0%                      | 13.4% | 2.76  |
| men total   | <b>11,3%</b> | 14510                | 0.39%          | 10.5%                      | 12.0% | 3.46  |
| women total   | <b>14,1%</b> | 15010                | 0.41%          | 13.3%                      | 14.9% | 2.93  |
| age group - 16+                                       | <b>12,7%</b> | 25239                | 0.34%          | 12.0%                      | 13.4% | 2.71  |
| age group - 0-64                                      | <b>11,3%</b> | 25276                | 0.37%          | 10.6%                      | 12.1% | 3.28  |
| age group - 65+                                       | <b>20,2%</b> | 4244                 | 0.75%          | 18.7%                      | 21.7% | 3.73  |
| age group - 0-17                                      | <b>12,6%</b> | 5115                 | 0.67%          | 11.3%                      | 13.9% | 5.31  |
| age group - 18-64                                     | <b>11,0%</b> | 20161                | 0.36%          | 10.3%                      | 11.7% | 3.28  |
| age group - 65+                                       | <b>20,2%</b> | 4244                 | 0.75%          | 18.7%                      | 21.7% | 3.73  |
| age group - 0 -15                                     | <b>12,6%</b> | 4281                 | 0.73%          | 11.2%                      | 14.0% | 5.77  |
| age group - 16-24                                     | <b>10,5%</b> | 4199                 | 0.62%          | 9.3%                       | 11.7% | 5.85  |
| age group - 25-49                                     | <b>10,0%</b> | 10629                | 0.41%          | 9.2%                       | 10.8% | 4.14  |
| age group - 50-64                                     | <b>13,3%</b> | 6167                 | 0.59%          | 12.2%                      | 14.5% | 4.40  |
| age group -65+  | <b>20,2%</b> | 4244                 | 0.89%          | 18.4%                      | 21.9% | 4.42  |
| age group - 0-15 - men                                | <b>13,4%</b> | 2193                 | 0.88%          | 11.7%                      | 15.1% | 6.55  |
| age group - 0-15 - women                              | <b>11,7%</b> | 2088                 | 0.89%          | 10.0%                      | 13.5% | 7.60  |
| age group - 16+ - men                                 | <b>10,8%</b> | 12317                | 0.39%          | 10.1%                      | 11.6% | 3.61  |

| Indicator   | Value | Achieved sample size | Standard error | Confidence Interval at 95% |       | CV(%) |
|---|-------|----------------------|----------------|----------------------------|-------|-------|
|   |       |                      |                | Lower                      | Upper |       |
| age group - 16+ - women   | 14,5% | 12922                | 0.42%          | 13.7%                      | 15.3% | 2.88  |
| age group - 0-64 - men  | 11,5% | 12679                | 0.42%          | 10.7%                      | 12.3% | 3.66  |
| age group - 0-64 - women  | 11,2% | 12597                | 0.42%          | 10.3%                      | 12.0% | 3.79  |
| age group - 65+ - men   | 9,5%  | 1831                 | 0.71%          | 8.1%                       | 10.9% | 7.45  |
| age group - 65+ - women   | 27,1% | 2413                 | 1.07%          | 25.0%                      | 29.2% | 3.94  |
| age group - 0-17 - men  | 13,3% | 2589                 | 0.81%          | 11.7%                      | 14.8% | 6.10  |
| age group - 0-17- women   | 11,9% | 2526                 | 0.83%          | 10.3%                      | 13.6% | 6.94  |
| age group - 18-64 - men   | 11,0% | 10090                | 0.43%          | 10.2%                      | 11.8% | 3.87  |
| age group - 18-64 - women   | 10,9% | 10071                | 0.41%          | 10.1%                      | 11.7% | 3.72  |
| age group - 65+ - men   | 9,5%  | 1831                 | 0.71%          | 8.1%                       | 10.9% | 7.45  |
| age group - 65+ - women   | 27,1% | 2413                 | 1.07%          | 25.0%                      | 29.2% | 3.94  |
| age group - 0-15 - men  | 13,4% | 2193                 | 0.88%          | 11.7%                      | 15.1% | 6.55  |
| age group - 0-15- women   | 11,7% | 2088                 | 0.89%          | 10.0%                      | 13.5% | 7.60  |
| age group - 16-24 - men   | 10,2% | 2129                 | 0.79%          | 8.7%                       | 11.7% | 7.75  |
| age group - 16-24 - women   | 10,9% | 2070                 | 0.80%          | 9.3%                       | 12.5% | 7.36  |
| age group - 25-49 - men   | 10,1% | 5249                 | 0.52%          | 9.0%                       | 11.1% | 5.13  |
| age group - 25-49- women  | 9,9%  | 5380                 | 0.46%          | 9.0%                       | 10.8% | 4.70  |
| age group - 50-64 - men   | 13,4% | 3108                 | 0.75%          | 12.0%                      | 14.9% | 5.57  |
| age group - 50-64 - women   | 13,3% | 3059                 | 0.72%          | 11.8%                      | 14.7% | 5.44  |
| age group - 65+ - men   | 9,5%  | 1831                 | 0.71%          | 8.1%                       | 10.9% | 7.45  |
| age group - 65+ - women   | 27,1% | 2413                 | 1.07%          | 25.0%                      | 29.2% | 3.94  |
| Household type:One person HH - man                                      | 30,1% | 325                  | 2.55%          | 25.1%                      | 35.1% | 8.49  |
| Household type:One person HH - woman                                    | 44,3% | 742                  | 1.94%          | 40.5%                      | 48.1% | 4.38  |
| Household type: One person HH - under 64 years                          | 33,5% | 475                  | 1.00%          | 31.5%                      | 35.5% | 2.99  |
| Household type: One person HH - 65 years and over                       | 44,0% | 592                  | 2.31%          | 39.5%                      | 48.6% | 5.25  |
| Household type: One person HH total                                     | 38,5% | 1067                 | 1.62%          | 35.3%                      | 41.7% | 4.21  |
| Household type:2 adults, no dependent children, both adults under 65    | 9,7%  | 2014                 | 1.00%          | 7.8%                       | 11.7% | 10.30 |
| Household type: 2 adults, no dependent children, at least one adult 65+ | 10,9% | 2460                 | 0.83%          | 9.3%                       | 12.5% | 7.63  |
| Household type:Other HH without dependent children                      | 5,5%  | 5852                 | 0.59%          | 4.4%                       | 6.7%  | 10.63 |
| Household type:Single parent HH, one or more dependent children         | 31,4% | 649                  | 3.35%          | 24.8%                      | 37.9% | 10.67 |
| Household type: 2 adults, one dependent child                           | 8,5%  | 2646                 | 1.00%          | 6.5%                       | 10.4% | 11.76 |
| Household type: 2 adults, two dependent children                        | 9,0%  | 5552                 | 0.72%          | 7.6%                       | 10.5% | 8.01  |
| Household type: 2 adults, three or more dependent children              | 13,6% | 2140                 | 1.50%          | 10.7%                      | 16.6% | 10.99 |
| Household type: Other HH with dependent children                        | 6,7%  | 7140                 | 0.59%          | 5.5%                       | 7.8%  | 8.76  |
| Main activity status: Employed  | 5,3%  | 12805                | 0.27%          | 4.8%                       | 5.9%  | 5.04  |
| Main activity status: Unemployed  | 44,2% | 1370                 | 1.72%          | 40.8%                      | 47.5% | 3.89  |
| Main activity status: Retired   | 18,3% | 6468                 | 0.61%          | 17.1%                      | 19.5% | 3.32  |
| Main activity status: Other inactive                                    | 14,4% | 4050                 | 0.74%          | 12.9%                      | 15.8% | 5.15  |
| Main activity status: Employed, Male                                    | 6,2%  | 6894                 | 0.36%          | 5.5%                       | 6.9%  | 5.83  |
| Main activity status: Unemployed, Male                                  | 44,5% | 639                  | 2.37%          | 39.9%                      | 49.2% | 5.34  |
| Main activity status: Retired, Male                                     | 12,1% | 2744                 | 0.71%          | 10.8%                      | 13.5% | 5.82  |

| Indicator   | Value | Achieved sample size | Standard error | Confidence Interval at 95% |       | CV(%) |
|---|-------|----------------------|----------------|----------------------------|-------|-------|
|   |       |                      |                | Lower                      | Upper |       |
| Main activity status: Other inactive, Male                            | 12,3% | 1739                 | 1.00%          | 10.4%                      | 14.3% | 8.09  |
| Main activity status: Employed, Female                                | 4,2%  | 5911                 | 0.32%          | 3.6%                       | 4.9%  | 7.64  |
| Main activity status: Unemployed, Female                              | 43,8% | 731                  | 2.17%          | 39.6%                      | 48.1% | 4.95  |
| Main activity status: Retired, Female                                 | 22,5% | 3724                 | 0.82%          | 20.9%                      | 24.1% | 3.64  |
| Main activity status: Other inactive, Female                          | 16,1% | 2311                 | 0.96%          | 14.2%                      | 18.0% | 5.98  |
| Work intensity: hh without dependent children, w=0                    | 31,9% | 1619                 | 1.74%          | 28.5%                      | 35.3% | 5.46  |
| Work intensity: hh without dependent children, 0<w<1                  | 7,6%  | 5005                 | 0.58%          | 6.5%                       | 8.8%  | 7.65  |
| Work intensity: hh without dependent children, w=1                    | 4,9%  | 2659                 | 0.68%          | 3.6%                       | 6.2%  | 13.97 |
| Work intensity: hh with dependent children, w=0                       | 74,8% | 494                  | 3.20%          | 68.6%                      | 81.1% | 4.27  |
| Work intensity: hh with dependent children, 0<w<0.5                   | 38,6% | 825                  | 3.89%          | 31.0%                      | 46.3% | 10.07 |
| Work intensity: hh with dependent children, 0.5<=w<1                  | 16,1% | 6173                 | 0.99%          | 14.1%                      | 18.0% | 6.16  |
| Work intensity: hh with dependent children, w=1                       | 3,1%  | 10625                | 0.36%          | 2.4%                       | 3.8%  | 11.78 |
| Tenure status: owner or rent free                                     | 11,5% | 27752                | 0.34%          | 10.8%                      | 12.1% | 3.00  |
| Tenure status: tenant   | 27,6% | 1768                 | 1.63%          | 24.4%                      | 30.8% | 5.89  |
| <b>Before social transfers except old-age and survivors' benefits</b> |       |                      |                |                            |       |       |
| Total   | 24,2% | 29520                | 0.36%          | 23.5%                      | 24.9% | 1.49  |
| Men   | 23,0% | 14510                | 0.42%          | 22.2%                      | 23.8% | 1.83  |
| Women   | 25,4% | 15010                | 0.42%          | 24.6%                      | 26.2% | 1.65  |
| age group - 0-15 - men  | 27,2% | 2193                 | 1.03%          | 25.2%                      | 29.2% | 3.80  |
| age group - 0-15 - women  | 23,8% | 2088                 | 0.98%          | 21.8%                      | 25.7% | 4.14  |
| age group - 16-24 - men   | 23,1% | 2129                 | 1.08%          | 21.0%                      | 25.2% | 4.69  |
| age group - 16-24 - women   | 24,0% | 2070                 | 1.00%          | 22.0%                      | 25.9% | 4.16  |
| age group - 25-49 - men   | 19,5% | 5249                 | 0.55%          | 18.4%                      | 20.5% | 2.80  |
| age group - 25-49 - women   | 19,0% | 5380                 | 0.53%          | 18.0%                      | 20.1% | 2.80  |
| age group - 50-64 - men   | 26,4% | 3108                 | 0.87%          | 24.7%                      | 28.1% | 3.28  |
| age group - 50-64 - women   | 26,2% | 3059                 | 0.85%          | 24.5%                      | 27.8% | 3.26  |
| age group - 65+ - men   | 23,9% | 1831                 | 0.98%          | 22.0%                      | 25.9% | 4.10  |
| age group - 65+ - women   | 37,4% | 2413                 | 1.03%          | 35.4%                      | 39.4% | 2.75  |
| <b>Before social including old-age and survivors' benefits</b>        |       |                      |                |                            |       |       |
| Total   | 39,9% | 29520                | 0.34%          | 39.2%                      | 40.5% | 0.84  |
| Men   | 37,6% | 14510                | 0.41%          | 36.8%                      | 38.4% | 1.08  |
| Women   | 42,1% | 15010                | 0.37%          | 41.4%                      | 42.8% | 0.88  |
| age group - 0-15 - men  | 28,9% | 2193                 | 0.92%          | 27.1%                      | 30.8% | 3.18  |
| age group - 0-15 - women  | 25,7% | 2088                 | 0.88%          | 24.0%                      | 27.4% | 3.41  |
| age group - 16-24 - men   | 28,1% | 2129                 | 1.09%          | 26.0%                      | 30.3% | 3.88  |
| age group - 16-24 - women   | 28,7% | 2070                 | 0.91%          | 26.9%                      | 30.5% | 3.18  |
| age group - 25-49 - men   | 25,8% | 5249                 | 0.52%          | 24.7%                      | 26.8% | 2.00  |
| age group - 25-49 - women   | 23,5% | 5380                 | 0.48%          | 22.6%                      | 24.5% | 2.03  |
| age group - 50-64 - men   | 43,4% | 3108                 | 0.93%          | 41.6%                      | 45.2% | 2.14  |
| age group - 50-64 - women   | 53,1% | 3059                 | 0.85%          | 51.4%                      | 54.8% | 1.61  |
| age group - 65+ - men   | 87,5% | 1831                 | 0.94%          | 85.7%                      | 89.4% | 1.07  |

| Indicator   | Value        | Achieved sample size | Standard error | Confidence Interval at 95% |         | CV(%) |
|---|--------------|----------------------|----------------|----------------------------|---------|-------|
|   |              |                      |                | Lower                      | Upper   |       |
| age group - 65+ - women                                     | <b>88,9%</b> | 2413                 | 0.80%          | 87.3%                      | 90.5%   | 0.90  |
| <b>Relative median at-risk-of-poverty gap</b>               |              |                      |                |                            |         |       |
| Total   | <b>20,2%</b> | 29520                | 0.72%          | 18.8%                      | 21.6%   | 3.56  |
| Men   | <b>20,9%</b> | 14510                | 1.07%          | 18.8%                      | 23.1%   | 5.12  |
| Women   | <b>19,1%</b> | 15010                | 0.69%          | 17.8%                      | 20.5%   | 3.63  |
| age group - 0-15 - men                                      | <b>21,6%</b> | 2193                 | 2.45%          | 16.8%                      | 26.4%   | 11.36 |
| age group - 0-15 - women                                    | <b>21,4%</b> | 2088                 | 2.29%          | 17.0%                      | 25.9%   | 10.66 |
| age group - 16-24 - men                                     | <b>20,7%</b> | 2129                 | 2.60%          | 15.6%                      | 25.8%   | 12.56 |
| age group - 16-24 - women                                   | <b>17,1%</b> | 2070                 | 1.35%          | 14.5%                      | 19.8%   | 7.88  |
| age group - 25-49 - men                                     | <b>23,5%</b> | 5249                 | 2.10%          | 19.4%                      | 27.6%   | 8.92  |
| age group - 25-49 - women                                   | <b>20,6%</b> | 5380                 | 1.37%          | 17.9%                      | 23.3%   | 6.63  |
| age group - 50-64 - men                                     | <b>20,3%</b> | 3108                 | 1.62%          | 17.1%                      | 23.5%   | 7.98  |
| age group - 50-64 - women                                   | <b>18,1%</b> | 3059                 | 1.59%          | 15.0%                      | 21.2%   | 8.78  |
| age group - 65+ - men                                       | <b>20,3%</b> | 1831                 | 2.40%          | 15.6%                      | 25.0%   | 11.80 |
| age group - 65+ - women                                     | <b>18,8%</b> | 2413                 | 0.88%          | 17.0%                      | 20.5%   | 4.67  |
| <b>different poverty line thresholds</b>                    |              |                      |                |                            |         |       |
| HCR poverty line at 50% median                              | <b>7,3%</b>  | 29520                | 0.27%          | 6.8%                       | 7.9%    | 3.67  |
| HCR poverty line at 70% median                              | <b>19,7%</b> | 29520                | 0.39%          | 18.9%                      | 20.5%   | 2.00  |
| HCR poverty line at 40% median                              | <b>3,1%</b>  | 29520                | 0.20%          | 2.7%                       | 3.5%    | 6.39  |
| <b>other measures</b>                                       |              |                      |                |                            |         |       |
| Gini coefficient  | <b>23,80</b> | 29520                | 0.22           | 23.36                      | 24.24   | 0.94  |
| S80/S20   | <b>3,42</b>  | 29520                | 0.04           | 3.34                       | 3.50    | 1.19  |
| Median equivalised disposable income                        | <b>11736</b> | 29520                | 64.97          | 11608.6                    | 11863.3 | 0.55  |
| Median income below the at-risk-of-poverty-treshold         | <b>5618</b>  | 29520                | 62.59          | 5495.3                     | 5740.6  | 1.11  |
| At-risk-of-poverty-threshold - one person HH                | <b>7042</b>  | 29520                | 38.98          | 6965.1                     | 7118.0  | 0.55  |
| At-risk-of-poverty-threshold - 2 adults+2dependent children | <b>14787</b> | 29520                | 81.86          | 14626.8                    | 14947.7 | 1.16  |
| Mean equivalised disposable income                          | <b>12738</b> | 29520                | 71.87          | 12596.8                    | 12878.5 | 0.49  |

The design effect, estimated for the estimation of the mean of the disposable income is 1.05.

## 2.3 Non-sampling errors

### 2.3.1 Sampling frame and coverage errors

The basis for the sampling frame is the Central Register of Population (CRP), which is linked to the Register of Territorial Units. The sampling frame constitutes persons aged 16 years or more on 31st of December 2009. Besides the CRP we also use the frame of enumeration areas. Since some enumeration areas do not have enough inhabitants, those enumeration areas were linked with neighbouring areas into larger territorial units – i.e. sampling units, which were the sampling frame in the first stage. As the additional source we also use the list of addresses of different types of institutions. With this information we are able to exclude in advance from the sampling frame most of persons which live in the collective households. However there are still some of these persons detected later in the stage of data collection and these persons are in the analyses considered as out-of-scope units (over-coverage).

Also diseased and emigrated persons are considered as out-of-scope units. The total number of out-of-scope units by the waves is presented in the following table.

**Table 4: Overcoverage rate**

| Wave         | Out-of-scope units | Sample       | Overcoverage rate |
|--------------|--------------------|--------------|-------------------|
| 1            | 183                | 4949         | <b>3.70%</b>      |
| 2            | 40                 | 3242         | <b>1.23%</b>      |
| 3            | 37                 | 2637         | <b>1.40%</b>      |
| 4            | 19                 | 1876         | <b>1.01%</b>      |
| <b>Total</b> | <b>279</b>         | <b>12704</b> | <b>2.20%</b>      |

## 2.3.2 Measurement and processing errors

### 2.3.2.1 Measurement errors

As in most surveys, the questionnaire can be one of the sources of potential measurement errors. Unsatisfactory organization and design of the survey may result in output different to the reality. The questionnaire of EU-SILC 2010 was developed on the basis of the EU-SILC regulations and the EU-SILC doc 65 (*Description of Target Variables: Cross-sectional and Longitudinal*). Some changes and adoptions to the prior questionnaire were made according to the changes of EUROSTAT's requirements; experiences with last year's surveys, like feedback from interviewers or data checking procedures which indicated misinterpretations of particular items. However, the wording and phrasing of the questions can lead to misunderstandings; also different ordering of the questions can result in different answers. But we implemented various methods and procedures to reduce such effects and errors.

The data are a combination of data obtained from interviews and data obtained from registers and other administrative sources. The interviews are carried out by CATI or CAPI (CATI: 52% and CAPI: 48%). The general mode of collection was personal interview of a selected person. The household respondent was chosen by the interviewer as the one who had the best knowledge of the household's affairs. For part of questions for selected person the interviewers were instructed to prefer interviewing the selected person whenever possible. In the case of household that had already participated in EU-SILC, certain basic information was uploaded in the entry programme prior to the new round of data collection. And the interviewers just verified the information. So in this way we reduced the burden, particularly on respondents.

As in all surveys there is highly possible that interviewer can influence on respondent's answers. During the collecting data phase we did regular checks on their progress.

On CATI interviewing we constantly monitored the interviewers and warned them about mistakes. In our studio we have possibility to listen to the interview and at the same time we can see on the screen everything that interviewer enter into the computer. The interviewers do not know when they are inspected.

CAPI interviewers are obliged to send the data which they collected to the Office every fortnight. We checked frequency of some key answers and if we found out that something unexpected happened with single interviewer we asked him for the explanation.

The field work began at 1<sup>st</sup> February. Before the field work began we organized lessons for interviewers. From 18<sup>th</sup> January till 30<sup>th</sup> January 2010 we organised ten lessons for both CAPI and CATI interviewers. Each interviewer was obliged to participate in one of those lessons, which were 2 times 4 hours long. In the first part of the lesson we instructed interviewers about purpose of the survey, definitions and methodology of each of the questions and also the organizational part of the survey. At the second part we organized practical interviewing in the groups of 3 to 4 interviewers with lap-tops for CAPI interviewers. For CATI interviewers special lessons was organised in our studio which have the similar content as for CAPI interviewers. We prepared the questionnaires and answers in advance, that we can see if the interviewer understands meaning of the questions.

At the same time we had approximately 60 CAPI interviewers (most of them were experienced, but also some interviewers were less experienced), and approximately 40 CATI interviewers (most of them students, which almost all had experience with telephone interviewing. In the case that interviewer was replaced (do not wish to be interviewer, do not work according to instructions), the additional lessons were organised.

CAPI interviewers got at the lessons advanced letters and they sent them their self to the sampled households few days before they intended to visit the household.

For the CATI interviewing all advanced letters were sent by the Office two days before the interviewing started.

Small leaflet were added to all letters with some results from the previous year, information on where it is possible to get results and additional information, etc.

Special training was organized also for controllers and other technical stuff. On all trainings we explained the purpose of this survey, the methodology, questionnaires and organizational part as well.

In the construction of the Slovenian questionnaire we adapted questions as well as design from our LFS questionnaire for personal questions (especially questions related to labour market) and HBS questionnaire for household and expenditure questions. As mentioned before, the core of the questionnaire was designed according to the recommendations of Eurostat. In some cases the phrasing of questions to the certain level diverged from Eurostat recommendations because of Slovenian standards. The differences when comparing our questionnaire and Eurostat recommendations are as follows:

#### **Not income variables:**

HH010 We had more categories, but all categories are easily translated to Eurostat categories.

HH021 We had more categories, but all categories are easily translated to Eurostat categories. For the category *owner with mortgage* we introduced separate question before the block of the questions about mortgage.

HH030 The room is defined as space with at least 6 square meters. Kitchen is not considered as a room in any case.

HH040 The questions is split into the three separate questions (from 2008):

GB9 In your dwelling, do you have problems with leaking roof?

1. Yes.
2. No.

GB17 In your dwelling, do you have problems with damp walls/floor/foundation?

1. Yes.
2. No.

GB18 In your dwelling, do you have problems with rot in window frames or floor?

1. Yes.
2. No.

In the data processing HH040 got answer »yes« in the case that at least one question above were answered »yes«. Only in the case that all the questions were answered »no«, variable HH040 got value »no«.

HH061 is difficult question, especially in the case of houses. To this question only 50% of respondents responded on the open questions, then another 35% respondents responded with the additional question (scale for help), but for 15% of respondents complete imputation was performed.

HH070 Total housing costs are asked with several questions – costs for cold water, costs for sewage removal, costs for refuse removal, heating, contribution to reserve fund, insurance, and interest for mortgage, rent, and regular maintenance. We summed up all variables from these questions to get HH070. In the questionnaires we divided these questions according to the tenure status and to the dwelling type. If household lives in the block of flat, usually they got only one invoice for all costs, but if household live in detached house, it got each invoice (for water, sewage, removal costs etc.) separately. In the first case we then asked only for all costs together and then which costs are included into the invoice.

We transmit to Eurostat HS011, which is combined from 2 questions. We asked separate for (a) mortgage repayment and (b) rent:

(a) GE10 In the past 12 months, have you ever been in arrears in paying the mortgage loan instalment due to financial problems?

1. Yes. → GE19
2. No.

GE19 How many times have you been in arrears in paying the mortgage loan instalment?

1. Once.
2. Twice or more.

(b) GF32 In the past 12 months, have you ever been in arrears in paying the rent due to financial problems?

1. Yes. → GE19
2. No.

GF33 How many times have you been in arrears in paying the rent instalment?

1. Once.
2. Twice or more.

We collected the data in similar way – with two questions – also for variables HS021 and HS031.

HS040 – Question in our questionnaire is: “Can all members of your household afford financially week’s annual holidays?” In Slovenian language it is quite logical that holidays should be spent away from home.

HS050 – in the question it is not mentioned phrase “chicken and fish”.

HS070 – HS110 – in our survey we added some other durables (video recorder, DVD player, digital camera etc.).

PB130, PB140 – we collected these data with the questionnaire, but if the data were differentiated according to the Central Register of Population, we took the data from the register.

PB190, PB210 – we took this data from the register of population.

PB200 is combination of the data from the questionnaire and the Central Register of Population.

PB220A, PB220B – data were collected by questionnaire.

PE040 – the data are from the Statistical Register of Employment for persons in labour force, for others the data was collected via questionnaire.

PH020 – In the wording of question the minor change was made (on the basis of EHIS).

The question in 2009 was:

“Does ‘selected person’ has any chronically or long-standing illness?”

In 2010 the question was:

Does ‘selected person’ has any long-standing illness or long-standing health problem?

PH030 – The question is completely changed. Now it is the same as in EHIS. Consequently the data are not comparable to SILC conducted before 2010.

The question in 2009 was:

Has 'selected person' been in the last 6 months limited for longer period of time in usually activities because of health problems?

The question in 2010 was:

To what extent has been 'selected person' limited for at least the past 6 months because of health problems in usually activities?

According to results, we can see break in series.

year 2009

The FREQ Procedure

| PH030            | Frequency | Percent      | Cumulative Frequency | Cumulative Percent |
|------------------|-----------|--------------|----------------------|--------------------|
| severely limited | 173350.3  | 10.40        | 173350.3             | 10.40              |
| limited          | 254091.5  | <b>15.25</b> | 427441.8             | 25.65              |
| not limited      | 1238878   | <b>74.35</b> | 1666320              | 100.00             |

Frequency Missing = 990.55352

year 2010

The FREQ Procedure

| PH030            | Frequency | Percent      | Cumulative Frequency | Cumulative Percent |
|------------------|-----------|--------------|----------------------|--------------------|
| severely limited | 201518.5  | 12.03        | 201518.5             | 12.03              |
| limited          | 392282    | <b>23.42</b> | 593800.5             | 35.46              |
| not limited      | 1080858   | <b>64.54</b> | 1674659              | 100.00             |

Frequency Missing = 998.83515

PH040 – the question was split into two questions (from the beginning of SILC) and in the wording of question the minor change was made (on the basis of EHIS):

The questions in 2009 were:

AC4 Was there any time when selected person during the last 12 months when he/she really needed to consult a medical specialist (except dentist)?

1. Yes → AC5
2. No → *question about need of the dentist.*

AC5 Did 'selected person' get a help of a medical specialist?

1. Yes
2. No. → AC6

The questions in 2010 were:

AC4 Was there any time when 'selected person' during the last 12 months when he/she really needed to consult a medical doctor?

1. Yes → AC5
2. No → *question about need of the dentist.*

AC5 Did 'selected person' consult a medical doctor?

1. Yes
2. No → AC6

PH050 – In the wording of question the minor change was made (on the basis of EHIS):

The question in 2009 was:

AC6 What was the main reason 'selected person' not getting help of *medical specialist*?

The question in 2010 was:

AC6 What was the main reason 'selected person' not consulting a medical doctor?

PH060 – the question was split into two questions (from the beginning of SILC) and in the wording of question the minor change was made (on the basis of EHIS):

AC8 Was there any time when 'selected person' during the last 12 months when he/she really needed to consult a dentist?

1. Yes → AC9
2. No

The question in 2009 were:

AC9 Did selected person get a help of a dentist?

1. Yes
2. No → AC10

The question in 2010 was:

AC9 Did selected person consult of a dentist?

1. Yes
2. No.

PH070 – In the wording of question the minor change was made (on the basis of EHIS):

The question in 2009 was:

AC10 What was the main reason 'selected person' not getting help of dentist?

The question in 2010 was:

AC10 What was the main reason 'selected person' not consulting a dentist?

PL050 – for active persons we got the data about occupation from the Statistical Register of Employment. For inactive persons we asked the question about occupation in the questionnaire. After conducting the survey, we coded the occupation into ISCO-88(com) according to the description of the occupation. Coding was done by professional coders who also do the coding in the LFS.

PL073-PL090 – It was constructed from variables PL211A-PL211L.

PL211A-PL211L – Constructed from Statistical Register of Employment and Health Insurance Company. We have state on the last day of each month. The source for students was questionnaire. The data for persons which are not in any register or any other source, are imputed according to the data from the last year. For the persons with several statuses, the activity had priority, this way we define that persons who, for example, were work (part time) and they are retired, we define them as "work". We added the question about main status in the previous year for the persons who the first time participated in survey that we can impute the data for the persons, who do not have any data in any administrative source.

With the SILC survey in 2009 Eurostat changed the methodology of collecting data on the monthly activity status of persons in the income reference year (variables PL211A-L were introduced instead of PL210A-L). Due to the changed methodology, from 2009 on inactive persons are classified into individual categories in greater detail than covered by administrative sources; so data from administrative sources are combined with data from the questionnaire. Other inactive persons from administrative sources (homemakers, people unable to work, students, other inactive) are assigned the status regarding the response in the questionnaire. Before 2009 the source of data on monthly activity statuses was administrative. Due to this methodological change, in 2009 the share of unemployed persons is higher and the share of other inactive persons among all persons classified regarding the most frequent activity status is lower. These changes are one of the reason for huge decrease of the at-risk-of-poverty rates of 'other inactive population' and high increase of the at-risk-of-poverty rates of the unemployed persons. In EU-SILC 2010 we used the same procedure as we used in EU-SILC 2009.

RB031 (year of immigration) was included the first time into the survey in 2010. The data was collected by questionnaire.

### **2.3.2.2 Processing errors**

As in previous years checking of the data was done in several stages: data-entry checks, data control and data editing for all separate sources (questionnaire and registers data), and finally the data control on integrated database.

The questionnaire was programmed in Blaise, so data entry controls were built into the electronic questionnaire, what reduced the need for post data control. Control of data in the entry programme was done in various ways. All numeric variables had absolute limits for data entry. We had a lot of syntax checks, one of them were signals (soft errors) which gave a warning to the interviewers if the answer was either unlikely because it was extreme or because it did not correspond to answer given to the earlier asked questions. These signals could be overridden if the answer in question was confirmed. And similar hard errors, which it was impossible to override. We also had a lot of logical checks.

Here are examples of syntax checks and one logical check:

**Soft syntax error:**

- Variable (PL060): Number of hours usually worked per week in main job: if interviewer entered less than 8 or more than 70 hours there was a signal: *Really less than 8 or more than 70 hours per week in main job?* The answer could be yes – suppress or no - correct the number of hours.

**Hard syntax error:**

- Variable HB080/HB090: Person 1 and Person 2 responsible for the accommodation: if interviewer entered two times the same person there was a hard error: *Person 1 responsible for the accommodation and Person 2 responsible for the accommodation can not be same.*

**Logical error:**

- Variable PL031: Self-defined current economic status: if interviewer entered the person aged 16 and more is a preschool child there was an error: *The person is 16 or more year old so can not be a preschool child.*

The second stage was done in our office by checking and correcting all sources separately. The system of processing, checking and correcting was programmed in SAS. We had various logical and consistency checks, we checked the extreme values of all income components and variables with amounts from questionnaire (for example total housing costs). During the editing procedures the detected errors are corrected.

Here are some examples of checks at this stage:

| Checks   |             |   |  |        |
|----------|-------------|---|--|--------|
| LK_label | Table       | Error_decription  | Condition  | Remark |
| LK014    | Gosp        | For tenants we need answer about paying rent at prevailing or market rate | if (GC4 in ( 2 3 4 5 6 8 ) ) and (GC17= -2) and status_gosp=10 |        |
| LK083    | Oseb        | Person can not get sickness benefits more than 252 working days           | if AS3 > 252 and not (AS3 in (-2 -1))                          |        |
| LK150    | Ostali_viri | Value can not be negative   | if (OTR < 0)   |        |
| LK_OP_1  | Ostali_viri | Extreme value   | if ((DN NE 0)) and not ( - 2750.25 =< DN =< 2271.5 )           |        |

After editing the data from all sources separately, we compose so called integrated database with all the data. In the case of logical mistakes and inconsistency of the data, we edited the data to the most probably value. We also compared the data with

data from previous waves on micro level (for those household that had already participated in the survey) and corrected errors.

Here are some examples of checks at this stage:

| Checks   |            |   |  |        |
|----------|------------|---|--|--------|
| LK_label | Table      | Error_description   | Condition  | Remark |
| LK_I_019 | int_gosp_v | Housing allowances can get only tenants or subtenants   | if (HY070G ne 0) and not (HH021 in (3 4 .))  |        |
| LK_I_020 | int_oseb_v | Person must have main activity for all 12 months  | if not ((PL073+PL074+PL075+PL076+PL080+PL085+PL086+PL087+PL088+PL089+PL090)=12) and (AGE3112>=16) and ustrezen='1' |        |
| LK_I_029 | int_gosp_v | Total housing gross income must be equal or greater than total disposable household income                      | if (HY010 -HY020 lt -1) and (HY010 ne .) and (HY020 ne .)  |        |
| LK_I_317 | int_oseb_v | Person was more than 4 months retired, but there was no benefits (old-age or survivor's or disability benefits) | if (PL085>4) and ((PY100G + PY110G + PY130G)=0)  |        |

With the final datasets on the macro-level the distribution of income variables are checked with previous EU SILC waves, tax statistics and other administrative sources to identify implausible distributions due to errors in the data editing process.

Before sending the final D-, R-, H- and P- files, data files were further checked using EUROSTAT's SAS programs to detect errors. Cases which are identified by the checking programme as probably implausible but are considered correct were commented and sent to EUROSTAT with the data transmission.

## 2.3.3 Non-response errors

### 2.3.3.1 Achieved sample size

The achieved sample size was calculated on household as well as on individual level. Since we have the sample of persons, and the data are obtained both from the interviews and from the registers, the household is counted to be interviewed only if household questionnaire is completed and if also questionnaire for the selected person is completed. For other household members data are obtained from registers.

Achieved sample size is calculated for

1. Number of selected respondents who are members of the households for which the interview is accepted for the database (DB135 = 1), and who completed a personal interview (RB250 = 11 to 13);
2. Number of persons 16 years or older who are members of the households for which the interview is accepted for the database (DB135 = 1), and who completed a personal interview (RB250 = 11 to 13);

**Table 5: Achieved sample size for total and rotational group breakdown**

|              | No. of <b>selected respondents</b> (sample persons) from who information is completed <b>from interviews and registers</b> | No. of <b>persons 16+</b> who are members of the households for which the interview is accepted for the database and from who information is completed <b>only from registers</b> | No. of persons 16+ who are members of the households for which the interview is accepted for the database |
|--------------|--|---|---|
| DB075        | DB135 = 1 & RB250=13   | DB135 = 1 & RB250=12  | DB135 = 1 & RB250=12,13   |
| <b>Total</b> | <b>9364</b>  | <b>15875</b>  | <b>25239</b>  |
|              | 37.1   | 62.9  | 100   |
| 1            | 1622   | 2795  | 4417  |
|              | 36.7   | 63.3  | 100   |
| 2            | 2188   | 3841  | 6029  |
|              | 36.3   | 63.7  | 100   |
| 3            | 2542   | 4284  | 6826  |
|              | 37.2   | 62.8  | 100   |
| 4            | 3012   | 4955  | 7967  |
|              | 37.8   | 62.2  | 100   |

Source: cross-sectional databases 2010

### 2.3.3.2 Unit non-response

For the total sample, the unit non-response will be calculated by removing from the numerator and the denominator of the formulas described below those units that according to the tracing rules are out of scope.

- Household non-response rates (NRh) will be computed as follows:

$$NRh = (1 - (Ra * Rh)) * 100$$

Where

$$Ra = \frac{\text{Number of addresses successfully contacted}}{\text{Number of valid addresses selected}} = \frac{\sum [DB120 = 11]}{\sum [DB120 = all] - \sum [DB120 = 23]}$$

Ra is the address contact rate.

DB120 is the record of contact at the address.

**Table 6: address contact rate rotational group and degree of urbanization**

|         | Ra    |
|---------|-------|
| Total   | 0.984 |
| DB075=1 | 0.999 |
| DB075=2 | 0.997 |
| DB075=3 | 0.994 |
| DB075=4 | 0.965 |
| DB100=1 | 0.966 |
| DB100=2 | 0.986 |
| DB100=3 | 0.991 |

Source: cross-sectional databases 2010

Condition that have to be fulfilled that the household is accepted to household register are completed both household and personal questionnaires. In our survey there are 9282 such households. Variable measures proportion of households that are acceptable for the database. Percentage is calculated form eligible households on contacted addresses.

$$Rh = \frac{\text{Number of household interviews completed and accepted for data base}}{\text{Number of eligible households at contacted addresses}} = \frac{\sum [DB135 = 1]}{\sum [DB130 = all]}$$

Rh is the proportion of complete household interviews accepted for the database.

DB130 is the household questionnaire result, and  
DB135 is the household interview acceptance result.

**Table 7: complete household interviews accepted for the database (Rh) for total and by rotational group and degree of urbanization**

|         | Rh    |
|---------|-------|
| Total   | 0.788 |
| DB075=1 | 0.886 |
| DB075=2 | 0.853 |
| DB075=3 | 0.812 |
| DB075=4 | 0.692 |
| DB100=1 | 0.786 |
| DB100=2 | 0.791 |
| DB100=3 | 0.788 |

Source: cross-sectional databases 2010

Therefore

$$NRh = (1 - (Ra * Rh)) * 100$$

**Table 8: Non response rate for total and by rotational group and degree of urbanization**

|         | NRh    |
|---------|--------|
| Total   | 22.38% |
| DB075=1 | 11.51% |
| DB075=2 | 15.00% |
| DB075=3 | 19.28% |
| DB075=4 | 33.19% |
| DB100=1 | 24.11% |
| DB100=2 | 22.07% |
| DB100=3 | 21.92% |

Source: cross-sectional databases 2010

- Individual non-response rates (NRp) will be computed as follows:

$$NRp = (1 - (Rp)) * 100$$

Where

$$Rp = \frac{\text{Number of personal interviews completed}}{\text{Number of eligible individuals in the households whose interviews were completed and accepted for the data base}} = \frac{\sum [RB250 = 11 + 12 + 13]}{\sum [RB245 = 1 + 2 + 3]}$$

Rp is the proportion of complete personal interviews within the households accepted for the database

RB245 is the respondent status, and

RB250 is the data status.

For those Members States where a sample of persons rather than a sample of households (addresses) was selected, the individual non-response rates will be calculated for 'the selected respondent' (RB245=2), for all individuals aged 16 years or older (RB245=2+3) and for the nonselected respondent (RB245=3).

$$Rp = \frac{\sum [RB250 = 13]}{\sum [RB245 = 2]} = \frac{9364}{9364} = 1 \quad \text{for the selected respondent}$$

$$Rp = \frac{\sum [RB250 = 12 + 13]}{\sum [RB245 = 2 + 3]} = \frac{25239}{25239} = 1 \quad \text{for all individuals aged 16 years or older}$$

$$Rp = \frac{\sum [RB250 = 12]}{\sum [RB245 = 3]} = \frac{15875}{15875} = 1 \quad \text{for the nonselected respondent}$$

Thus

$$NRp = (1 - (Rp)) * 100 = 0$$

for 'the selected respondent' (RB245=2), for all individuals aged 16 years or older (RB245=2+3) and for the nonselected respondent (RB245=3).

- Overall individual non-response rates (\*NRp) will be computed as follows:

$$*NRp=(1-(Ra * Rh * Rp)) * 100 = (1 - 0.9844993369 * 0.788414583 * 1) * 100 = 22.38$$

### 2.3.3.3 Distribution of households (original units) by 'record of contact at address' (DB120), by 'household questionnaire result' (DB130) and by 'household interview acceptance' (DB135), for each rotational group (if applicable) and for the total:

**Table 9: Distribution of original units by 'record of contact at address'. Rotational group and total**

|   | Total  |       | Rotational group 1 |       | Rotational group 2 |       | Rotational group 3 |       | Rotational group 4 |       |
|---|--------|-------|--------------------|-------|--------------------|-------|--------------------|-------|--------------------|-------|
|   |        |       | rot_sk5            |       | rot_sk6            |       | rot_sk7            |       | rot_sk8            |       |
|   | Number | %     | Number             | %     | Number             | %     | Number             | %     | Number             | %     |
| <b>Total</b> (DB120 = 11 to 23)   | 12704  | 100.0 | 1876               | 100.0 | 2637               | 100.0 | 3242               | 100.0 | 4949               | 100.0 |
| Address contacted (DB120 = 11)  | 11877  | 93.5  | 1831               | 97.6  | 2566               | 97.3  | 3129               | 96.5  | 4351               | 87.9  |
| Address non-contacted (DB120 = 21 to 23)  | 827    | 6.5   | 45                 | 2.4   | 71                 | 2.7   | 113                | 3.5   | 598                | 12.1  |
| <b>Total address non-contacted</b> (DB120 = 21 to 23)   | 827    | 6.5   | 45                 | 2.4   | 71                 | 2.7   | 113                | 3.5   | 598                | 12.1  |
| Address cannot be located (DB120= 21)   | 187    | 1.5   | 2                  | 0.1   | 8                  | 0.3   | 20                 | 0.6   | 157                | 3.2   |
| Address unable to access (DB120 = 22)   | 0      | 0.0   | 0                  | 0.0   | 0                  | 0.0   | 0                  | 0.0   | 0                  | 0.0   |
| Address does not exist or is non-residential address or is unoccupied or not principal residence (DB120 = 23) | 640    | 5.0   | 43                 | 2.3   | 63                 | 2.4   | 93                 | 2.9   | 441                | 8.9   |

Source: cross-sectional databases 2010

DB120=23 includes also households where selected person died or moved to institution or abroad.

**Table 10: Distribution of address contacted by 'household questionnaire result'. Rotational group and total**

|  | Total        |              | Rotational group 1 |              | Rotational group 2 |              | Rotational group 3 |              | Rotational group 4 |              |
|--|--------------|--------------|--------------------|--------------|--------------------|--------------|--------------------|--------------|--------------------|--------------|
|  | Number       | %            | Number             |              | Number             |              | Number             |              | Number             |              |
| <b>Total</b>   | <b>11877</b> | <b>100.0</b> | <b>1831</b>        | <b>100.0</b> | <b>2566</b>        | <b>100.0</b> | <b>3129</b>        | <b>100.0</b> | <b>4351</b>        | <b>100.0</b> |
| Household questionnaire completed (DB130 = 11)                             | 9364         | 78.8         | 1622               | 88.6         | 2188               | 85.3         | 2542               | 81.2         | 3012               | 69.2         |
| Interview not completed (DB130 = 21 to 24)                                 | 2513         | 21.2         | 209                | 11.4         | 378                | 14.7         | 587                | 18.8         | 1339               | 30.8         |
| Refusal to co-operate (DB130 = 21)   | 2185         | 18.4         | 194                | 10.6         | 352                | 13.7         | 553                | 17.7         | 1086               | 25.0         |
| Entirely household temporarily away for duration of fieldwork (DB130 = 22) | 179          | 1.5          | 10                 | 0.5          | 15                 | 0.6          | 21                 | 0.7          | 133                | 3.1          |
| Household unable to respond (illness, incapacity, etc.) (DB130 = 23)       | 149          | 1.3          | 5                  | 0.3          | 11                 | 0.4          | 13                 | 0.4          | 120                | 2.8          |
| Other reasons (DB130 = 24)   | 0            | 0.0          | 0                  | 0.0          | 0                  | 0.0          | 0                  | 0.0          | 0                  | 0.0          |

Source: cross-sectional databases 2010

**Table 11: Distribution by household interview acceptance. Rotational group and total**

|   | Total       |              | Rotational group 1 |              | Rotational group 2 |              | Rotational group 3 |              | Rotational group 4 |              |
|---|-------------|--------------|--------------------|--------------|--------------------|--------------|--------------------|--------------|--------------------|--------------|
|   | Number      | %            | Number             |              | Number             |              | Number             |              | Number             |              |
| <b>Total</b>                                | <b>9364</b> | <b>100.0</b> | <b>1622</b>        | <b>100.0</b> | <b>2188</b>        | <b>100.0</b> | <b>2542</b>        | <b>100.0</b> | <b>3012</b>        | <b>100.0</b> |
| Interview accepted for database (db135 = 1) | 9364        | 100.0        | 1622               | 100.0        | 2188               | 100.0        | 2542               | 100.0        | 3012               | 100.0        |
| Interview rejected (DB135=2)                | 0           | 0.0          | 0                  | 0.0          | 0                  | 0.0          | 0                  | 0.0          | 0                  | 0.0          |

Source: cross-sectional databases 2010

**2.3.3.4 Distribution of substituted units (if applicable) by 'record of contact at address' (DB120), by 'household questionnaire result' (DB130) and by 'household interview acceptance' (DB135), for each rotational group (if applicable) and for the total:**

As in previous years also in EU-SILC 2010 we did not have substitute units.

### 2.3.3.5 Item non-reponse

**Table 12: Distribution of item non-response (unweighted values), household level, 2010**

| Variable | Description   | % of HHS having received an amount | % of HHS with missing values (before imputations)<br><br>HHS with missing value/HHS who received amount | Total % of HHS with partial information (before imputations) - imputed 10% or more of amount<br><br>HHS with missing value/HHS who received amount | Total % of HHS with partial information (before imputations) - imputed less than 10% of amount<br><br>HHS with missing value/HHS who received amount | Total % of HHS with full information (before imputations) | The income were decreased after imputations<br><br>HHS where value decreased/HHS who received amount |
|----------|---|------------------------------------|---|--|--|---|--|
| HY010    | Total gross household income  | 100.0%                             | 0.2%  | 13.8%  | 32.0%  | 53.4%   | 0.5%   |
| HY020    | Total disposable household income   | 100.0%                             | 0.0%  | 15.9%  | 29.9%  | 43.3%   | 10.9%  |
| HY022    | Total disposable household income before social transfers except old age and survivor's benefits    | 99.7%                              | 0.5%  | 17.8%  | 27.4%  | 43.0%   | 11.2%  |
| HY023    | Total disposable household income before social transfers including old-age and survivor's benefits | 98.2%                              | 2.4%  | 21.4%  | 24.1%  | 42.3%   | 9.8%   |
| HY040G   | Income from rental of a property or land – gross  | 6.0%                               | 0.0%  | 0.0%   | 0.0%   | 100.0%  | 0.0%   |
| HY040N   | Income from rental of a property or land – net  | 6.0%                               | 0.0%  | 0.0%   | 0.0%   | 100.0%  | 0.0%   |
| HY050G   | Family/Children related allowances - gross  | 41.9%                              | 0.0%  | 0.0%   | 0.0%   | 100.0%  | 0.0%   |
| HY050N   | Family/Children related allowances - net  | 41.8%                              | 0.0%  | 0.0%   | 0.0%   | 100.0%  | 0.0%   |
| HY060G   | Social exclusion not elsewhere classified – gross   | 10.3%                              | 2.8%  | 0.0%   | 0.1%   | 97.1%   | 0.0%   |
| HY060N   | Social exclusion not elsewhere classified – net   | 10.3%                              | 2.8%  | 0.0%   | 0.1%   | 97.1%   | 0.0%   |
| HY070G   | Housing allowances – gross  | 0.5%                               | 0.0%  | 0.0%   | 0.0%   | 100.0%  | 0.0%   |
| HY070N   | Housing allowances – net  | 0.5%                               | 0.0%  | 0.0%   | 0.0%   | 100.0%  | 0.0%   |
| HY080G   | Regular inter – household cash transfer received - gross  | 3.9%                               | 26.2%   | 3.6%   | 0.0%   | 68.0%   | 2.2%   |
| HY080N   | Regular inter – household cash transfer received - net  | 3.9%                               | 26.2%   | 3.6%   | 0.0%   | 68.0%   | 2.2%   |

| Variable | Description  | % of HHS having received an amount | % of HHS with missing values (before imputations) | Total % of HHS with partial information (before imputations) - imputed 10% or more of amount | Total % of HHS with partial information (before imputations) - imputed less than 10% of amount | Total % of HHS with full information (before imputations) | The income were decreased after imputations       |
|----------|--|------------------------------------|---|--|--|---|---|
|          |  |                                    | HHS with missing value/HHS who received amount    | HHS with missing value/HHS who received amount   | HHS with missing value/HHS who received amount   |   | HHS where value decreased/HHS who received amount |
| HY090G   | Interest, dividends, profit form capital investments in unincorporated business -gross | 32.8%                              | 9.2%  | 6.1%   | 1.5%   | 82.6%   | 0.6%  |
| HY090N   | Interest, dividends, profit form capital investments in unincorporated business - net  | 32.8%                              | 9.2%  | 6.3%   | 1.3%   | 82.6%   | 0.6%  |
| HY100G   | Interest repayments on mortgage gross  | 5.9%                               | 82.0%   | 1.6%   | 1.1%   | 9.3%  | 6.0%  |
| HY100N   | Interest repayments on mortgage net  | 5.9%                               | 82.0%   | 1.6%   | 1.1%   | 9.3%  | 6.0%  |
| HY110G   | Income received by people aged under 16 gross  | 0.8%                               | 0.0%  | 0.0%   | 0.0%   | 100.0%  | 0.0%  |
| HY110N   | Income received by people aged under 16 net  | 0.8%                               | 0.0%  | 0.0%   | 0.0%   | 100.0%  | 0.0%  |
| HY120G   | Regular taxes on wealth gross  | 84.8%                              | 25.8%   | 2.1%   | 0.2%   | 71.8%   | 0.0%  |
| HY120N   | Regular taxes on wealth net  | 84.8%                              | 25.8%   | 2.1%   | 0.2%   | 71.8%   | 0.0%  |
| HY130G   | Regular inter – household cash transfer paid – gross                                   | 7.6%                               | 5.1%  | 2.8%   | 0.0%   | 86.3%   | 5.8%  |
| HY130N   | Regular inter – household cash transfer paid - net                                     | 7.6%                               | 5.1%  | 2.8%   | 0.0%   | 86.3%   | 5.8%  |
| HY140G   | Tax on income and social contribution  | 83.6%                              | 0.8%  | 10.6%  | 6.9%   | 80.5%   | 1.2%  |
| HY140N   | Tax on income and social contribution  | 83.6%                              | 0.8%  | 10.6%  | 6.9%   | 80.5%   | 1.2%  |
| HY145N   | Repayments/receipts for tax adjustment   | 78.8%                              | 0.0%  | 0.0%   | 0.0%   | 100.0%  | 0.0%  |
| HY170G   | Value of goods produced by own consumption - gross                                     | 57.5%                              | 58.3%   | 1.1%   | 0.4%   | 37.5%   | 2.6%  |
| HY170N   | Value of goods produced by own consumption - net                                       | 57.5%                              | 58.3%   | 1.1%   | 0.4%   | 37.5%   | 2.6%  |

Source: cross-sectional databases 2010

**Table 13: Distribution of item non-response, personal level (unweighted values), 2010**

| Variable | Description  | % of persons having received an amount | % of persons with missing values (before imputations)  | Total % of persons with partial information (before imputations) - imputed 10% or more of amount | Total % of persons with partial information (before imputations) - imputed less than 10% of amount | Total % of persons with full information (before imputations) | The income were decreased after imputations             |
|----------|--|--|--|--|--|---|---|
|          |  |  | persons with missing value/persons who received amount | persons with missing value/persons who received amount   | persons with missing value/persons who received amount   |   | persons with too high value/persons who received amount |
| PY010G   | Employee cash or near cash income - gross                  | 61.0%                                  | 2.0%   | 11.5%  | 16.2%  | 68.9%   | 1.4%  |
| PY010N   | Employee cash or near cash income - net                    | 61.0%                                  | 2.0%   | 15.7%  | 12.3%  | 68.7%   | 1.3%  |
| PY020G   | Non-Cash employee income - net                             | 9.7%                                   | 12.8%  | 2.0%   | 0.1%   | 85.1%   | 0.0%  |
| PY020N   | Non-Cash employee income - net                             | 9.7%                                   | 12.8%  | 1.3%   | 0.2%   | 85.7%   | 0.0%  |
| PY021G   | Company car - gross  | 1.7%                                   | 67.2%  | 0.0%   | 0.0%   | 32.8%   | 0.0%  |
| PY021N   | Company car - net  | 1.7%                                   | 67.2%  | 0.0%   | 0.0%   | 32.8%   | 0.0%  |
| PY035G   | Contributions to individual private pensions plans - gross | 18.5%                                  | 29.2%  | 0.0%   | 0.0%   | 70.7%   | 0.1%  |
| PY035N   | Contributions to individual private pensions plans - net   | 18.5%                                  | 29.2%  | 0.0%   | 0.0%   | 70.7%   | 0.1%  |
| PY050G   | Cash benefits or losses from self-employment - gross       | 15.4%                                  | 15.5%  | 11.2%  | 2.4%   | 70.6%   | 0.3%  |
| PY050N   | Cash benefits or losses from self-employment - net         | 15.4%                                  | 15.5%  | 11.4%  | 2.3%   | 70.6%   | 0.3%  |
| PY080G   | Pension from individual private plans - gross              | 0.8%                                   | 13.6%  | 0.0%   | 0.0%   | 83.4%   | 3.0%  |
| PY080N   | Pension from individual private plans - net                | 0.8%                                   | 13.6%  | 0.0%   | 0.0%   | 83.4%   | 3.0%  |
| PY090G   | Unemployment benefits - gross                              | 3.9%                                   | 0.1%   | 0.0%   | 0.0%   | 99.9%   | 0.0%  |
| PY090N   | Unemployment benefits - net                                | 3.9%                                   | 0.1%   | 0.0%   | 0.0%   | 99.9%   | 0.0%  |
| PY100G   | Old age benefits - gross                                   | 19.5%                                  | 1.1%   | 0.0%   | 0.0%   | 98.9%   | 0.0%  |
| PY100N   | Old age benefits –   | 19.5%                                  | 1.1%   | 0.0%   | 0.0%   | 98.9%   | 0.0%  |

| Variable | Description                          | % of persons having received an amount | % of persons with missing values (before imputations)  | Total % of persons with partial information (before imputations) - imputed 10% or more of amount | Total % of persons with partial information (before imputations) - imputed less than 10% of amount | Total % of persons with full information (before imputations) | The income were decreased after imputations             |
|----------|--------------------------------------|--|--|--|--|---|---|
|          |                                      |  | persons with missing value/persons who received amount | persons with missing value/persons who received amount   | persons with missing value/persons who received amount   |   | persons with too high value/persons who received amount |
|          | net                                  |  |  |  |  |   |   |
| PY110G   | Survivor' age benefits - gross       | 3.3%                                   | 0.1%   | 0.0%   | 0.0%   | 99.9%   | 0.0%  |
| PY110N   | Survivor' age benefits - net         | 3.3%                                   | 0.1%   | 0.0%   | 0.0%   | 99.9%   | 0.0%  |
| PY120G   | Sickness benefits - gross            | 13.5%                                  | 7.5%   | 4.6%   | 0.3%   | 87.5%   | 0.0%  |
| PY120N   | Sickness benefits - net              | 13.5%                                  | 7.5%   | 4.8%   | 0.3%   | 87.4%   | 0.0%  |
| PY130G   | Disability benefits - gross          | 7.1%                                   | 0.1%   | 0.0%   | 0.0%   | 99.9%   | 0.0%  |
| PY130N   | Disability benefits - net            | 7.1%                                   | 0.1%   | 0.0%   | 0.0%   | 99.9%   | 0.0%  |
| PY140G   | Education related allowances - gross | 5.4%                                   | 0.0%   | 0.0%   | 0.0%   | 100.0%  | 0.0%  |
| PY140N   | Education related allowances- net    | 5.4%                                   | 0.0%   | 0.0%   | 0.0%   | 100.0%  | 0.0%  |

Source: cross-sectional databases 2010

The data file from Tax authority was edited in advance. Before we began the data processing for eu-silc we checked the data from tax data file. We edited impossible values (for example negative values) and some very extreme values. Some imputations were also made in advance – we did logical checks and in the case of inconsistency we imputed values. These imputations are not included into the imputation factor in eu-silc database.

All other income files (social allowances, pensions etc.) were not edited in advance for whole population, but only for “eu-silc” population.

In the first stage we imputed:

In the case of partial non-response the next income variables were imputed:

- Income from farming (in the questionnaire)
- Reimbursement for travel to/from work
- Allowance for meal

- Non-cash employee income (company car) – components (value of the car, months of use it)
- Regular inter household transfers received
- Regular inter household transfer paid
- Contribution to private pensions plans
- Sickness benefits (numbers of days when person got sickness leave)
- Tax on wealth
- Interests paid for mortgage (components to calculate interests)
- Interests (received)
- Consumption from own production (all components to calculate own production)

In the case of missing data, we also imputed the following non income variables:

- Number of rooms
- Leaking roof, damp walls/floors/foundation, or rot in window frames or floor
- Arrears on utility bills
- Arrears on hire purchase installments or other loan payments
- Capacity to afford paying for one week annual holiday away from home
- Capacity to afford a meal with meat, chicken...
- Problems with the dwelling: too dark, not enough day-light
- Noise from neighbours or from street
- Pollution, grime or other environmental problems
- Crime violence or vandalism in the area
- Total housing costs (all components from the questionnaire)
- Subjective rent
- Telephone
- Colour TV
- PC
- Washing machine
- Car
- Lowest monthly income to make ends meet
- Child care
- Activity status during the income reference period (PL211A-PL211L)
- Year when highest level of education was attained
- Highest ISCED level attained
- When began first regular job
- Number of years spent in paid work
- General health
- Variables in ad hoc module

We used different types of imputation methods for different kinds of variables. In general we used four different methods with different parameterizations: Hot-deck method (or Nearest Neighbour version) with different imputation cells defined; Trimmed average method with different imputation cells and different trim-threshold defined; Logical imputations; Historical data imputations.

In the second stage of imputations we imputed:

PY010 in the case that person received reimbursement for travel to/from work or allowance for meal or that PL070 is not 0 and PY010 is 0.

PY050 in the case that self-employed person do not have any income (no profit, no wage, no social or family benefits, unemployed benefits). In such cases we imputed the values of minimal social benefits.

We have large share of the households where some income components are imputed. We found out that the most frequently reimbursement for travel to/from work and tax on wealth were imputed.

For income variables where we collected the data in the questionnaires by open questions and after that we have a scale as help, the imputations factors were calculated according to the open question. This means that in the case that person answered the question on the scale, looks like that the whole amount was imputed. Imputations factors also include manual editing and corrections of the extreme values. In the last case the imputation factor has value higher than 1 and such examples are not included into the tables above.

Special case is HY170G/N, where we transmitted the data from year to year in the case that household responded that had approximately the same quantities of own production. The reason why HY170 looks like that, is in so many cases completely imputed.

We found out that it is very difficult to ask all questions about mortgage (HY100G/N). There we had several questions about mortgage and we found out that in the most cases the interest rate which we need to calculate interest of mortgage was missed. We asked also some other necessary variables to calculate the interest, but usually other variables do not make troubles to interviewers.

It is quite large share (10.9%) of households where HY020 (disposable income) was decreased after imputations. The reason was imputation of the variable HY120G/N (tax on wealth) which caused the decreasing of disposable income.

**2.3.3.6 Total item non-response and number of observations in the sample at unit level of the common cross-sectional EU indicators based on the cross sectional component of EU-SILC, for equivalized disposable income**

**Table 14: Number of sample observations in the sample at unit level for At-risk-of-poverty rate by age and gender**

|       |       | Number of sample observations (achieved sample size) | Number of sample observations not taken into account due to item non-response | Non-response at individual level (if applicable) | Non-response at household level (number of households) |
|-------|-------|--|---|--|--|
| Total |       | 29520  | 0   | NA   | 3340   |
|       | Men   | 14510  | 0   | NA   | 3340   |
|       | Women | 15010  | 0   | NA   | 3340   |
| 0-17  | Total | 5115   | 0   | NA   | 3340   |
|       | Men   | 2589   | 0   | NA   | 3340   |
|       | Women | 2526   | 0   | NA   | 3340   |
| 18-64 | Total | 20161  | 0   | NA   | 3340   |
|       | Men   | 10090  | 0   | NA   | 3340   |
|       | Women | 10071  | 0   | NA   | 3340   |
| 65+   | Total | 4244   | 0   | NA   | 3340   |
|       | Men   | 1831   | 0   | NA   | 3340   |
|       | Women | 2413   | 0   | NA   | 3340   |
| 0-15  | Total | 4281   | 0   | NA   | 3340   |
|       | Men   | 2193   | 0   | NA   | 3340   |
|       | Women | 2088   | 0   | NA   | 3340   |
| 0-59  | Total | 23756  | 0   | NA   | 3340   |
|       | Men   | 11909  | 0   | NA   | 3340   |
|       | Women | 11847  | 0   | NA   | 3340   |
| 0-64  | Total | 25276  | 0   | NA   | 3340   |
|       | Men   | 12679  | 0   | NA   | 3340   |
|       | Women | 12597  | 0   | NA   | 3340   |
| 0-74  | Total | 27752  | 0   | NA   | 3340   |
|       | Men   | 13852  | 0   | NA   | 3340   |
|       | Women | 13900  | 0   | NA   | 3340   |
| 15-24 | Total | 4480   | 0   | NA   | 3340   |
|       | Men   | 2289   | 0   | NA   | 3340   |
|       | Women | 2191   | 0   | NA   | 3340   |
| 15-29 | Total | 6674   | 0   | NA   | 3340   |
|       | Men   | 3432   | 0   | NA   | 3340   |
|       | Women | 3242   | 0   | NA   | 3340   |
| 16-24 | Total | 4199   | 0   | NA   | 3340   |
|       | Men   | 2129   | 0   | NA   | 3340   |
|       | Women | 2070   | 0   | NA   | 3340   |
| 16-29 | Total | 6393   | 0   | NA   | 3340   |
|       | Men   | 3272   | 0   | NA   | 3340   |
|       | Women | 3121   | 0   | NA   | 3340   |
| 16-64 | Total | 20995  | 0   | NA   | 3340   |

|       |       | Number of sample observations (achieved sample size) | Number of sample observations not taken into account due to item non-response | Non-response at individual level (if applicable) | Non-response at household level (number of households) |
|-------|-------|--|---|--|--|
|       | Men   | 10486  | 0   | NA   | 3340   |
|       | Women | 10509  | 0   | NA   | 3340   |
| 16+   | Total | 25239  | 0   | NA   | 3340   |
|       | Men   | 12317  | 0   | NA   | 3340   |
|       | Women | 12922  | 0   | NA   | 3340   |
| 18-24 | Total | 3365   | 0   | NA   | 3340   |
|       | Men   | 1733   | 0   | NA   | 3340   |
|       | Women | 1632   | 0   | NA   | 3340   |
| 18+   | Total | 24405  | 0   | NA   | 3340   |
|       | Men   | 11921  | 0   | NA   | 3340   |
|       | Women | 12484  | 0   | NA   | 3340   |
| 25-29 | Total | 2194   | 0   | NA   | 3340   |
|       | Men   | 1143   | 0   | NA   | 3340   |
|       | Women | 1051   | 0   | NA   | 3340   |
| 25-49 | Total | 10629  | 0   | NA   | 3340   |
|       | Men   | 5249   | 0   | NA   | 3340   |
|       | Women | 5380   | 0   | NA   | 3340   |
| 30-64 | Total | 14602  | 0   | NA   | 3340   |
|       | Men   | 7214   | 0   | NA   | 3340   |
|       | Women | 7388   | 0   | NA   | 3340   |
| 50-64 | Total | 6167   | 0   | NA   | 3340   |
|       | Men   | 3108   | 0   | NA   | 3340   |
|       | Women | 3059   | 0   | NA   | 3340   |
| 60+   | Total | 5764   | 0   | NA   | 3340   |
|       | Men   | 2601   | 0   | NA   | 3340   |
|       | Women | 3163   | 0   | NA   | 3340   |
| 75+   | Total | 1768   | 0   | NA   | 3340   |
|       | Men   | 658  | 0   | NA   | 3340   |
|       | Women | 1110   | 0   | NA   | 3340   |

Source: cross-sectional databases 2010

**Table 15: Number of sample observations in the sample at unit level for At-risk-of-poverty rate by most frequent activity status and gender – aged 16+**

|                |       | Number of sample observations (achieved sample size) | Number of sample observations not taken into account due to item non-response | Non-response at individual level (if applicable) | Non-response at household level (number of households) |
|----------------|-------|--|---|--|--|
| Total          |       | 24693  | 0   | NA   | 3340   |
| At work        |       | 12805  | 0   | NA   | 3340   |
| Unemployed     |       | 1370   | 0   | NA   | 3340   |
| In retirement  |       | 6468   | 0   | NA   | 3340   |
| Other inactive |       | 4050   | 0   | NA   | 3340   |
| At work        | Men   | 6894   | 0   | NA   | 3340   |
| At work        | Women | 5911   | 0   | NA   | 3340   |
| Unemployed     | Men   | 639  | 0   | NA   | 3340   |
| Unemployed     | Women | 731  | 0   | NA   | 3340   |
| In retirement  | Men   | 2744   | 0   | NA   | 3340   |
| In retirement  | Women | 3724   | 0   | NA   | 3340   |
| Other inactive | Men   | 1739   | 0   | NA   | 3340   |
| Other inactive | Women | 2311   | 0   | NA   | 3340   |

Source: cross-sectional databases 2010

According to the definition about the most frequent activity status (one status more than 6 months) it was not defined the most frequent status for approximately 500 persons aged 16+, although the data about activity status is in the database for all months for all persons in income reference period.

**Table 16: Number of sample observations in the sample at unit level for At-risk-of-poverty rate by household type**

|  | Number of sample observations (achieved sample size) | Number of sample observations not taken into account due to item non-response | Non-response at individual level (if applicable) | Non-response at household level (number of households) |
|--|--|---|--|--|
| One person household, male   | 325  | 0   | NA   | 3340   |
| One person household, female   | 742  | 0   | NA   | 3340   |
| One person household, under 64 years                                 | 475  | 0   | NA   | 3340   |
| One person household, 65 years and over                              | 592  | 0   | NA   | 3340   |
| One person household, male, under 64 years                           | 240  | 0   | NA   | 3340   |
| One person household, female, under 64 years                         | 235  | 0   | NA   | 3340   |
| One person household, 65 years and over male                         | 85   | 0   | NA   | 3340   |
| One person household, 65 years and over female                       | 507  | 0   | NA   | 3340   |
| One person household   | 1067   | 0   | NA   | 3340   |
| 2 adults, no dependent children, both adults under 65 years          | 2014   | 0   | NA   | 3340   |
| 2 adults, no dependent children, at least one adult 65 years or more | 2460   | 0   | NA   | 3340   |
| Other households without dependent children                          | 5852   | 0   | NA   | 3340   |
| Single parent household, one or more dependent children              | 649  | 0   | NA   | 3340   |
| 2 adults, one dependent child  | 2646   | 0   | NA   | 3340   |
| 2 adults, two dependent children                                     | 5552   | 0   | NA   | 3340   |
| 2 adults, three or more dependent children                           | 2140   | 0   | NA   | 3340   |
| Other households with dependent children                             | 7140   | 0   | NA   | 3340   |

Source: cross-sectional databases 2010

**Table 17: Number of sample observations in the sample at unit level for At-risk-of-poverty rate by tenure status**

|                    |        | Number of sample observations (achieved sample size) | Number of sample observations not taken into account due to item non-response | Non-response at individual level (if applicable) | Non-response at household level (number of households) |
|--------------------|--------|--|---|--|--|
| Owner or rent free |        | 27752  | 0   | NA   | 3340   |
| Tenant             |        | 1768   | 0   | NA   | 3340   |
| Owner or rent free | male   | 13607  | 0   | NA   | 3340   |
| Owner or rent free | female | 14145  | 0   | NA   | 3340   |
| Tenant             | male   | 903  | 0   | NA   | 3340   |
| Tenant             | female | 865  | 0   | NA   | 3340   |

Source: cross-sectional databases 2010

**Table 18: Number of sample observations in the sample at unit level for Dispersion around the at-risk-of-poverty threshold**

|     | Number of sample observations (achieved sample size) | Number of sample observations not taken into account due to item non-response | Non-response at individual level (if applicable) | Non-response at household level (number of households) |
|-----|--|---|--|--|
| 40% | 29520  | 0   | NA   | 3340   |
| 50% | 29520  | 0   | NA   | 3340   |
| 70% | 29520  | 0   | NA   | 3340   |

Source: cross-sectional databases 2010

**Table 19: Number of sample observations in the sample at unit level for different cross sectional indicators**

|   | Number of sample observations (achieved sample size) | Number of sample observations not taken into account due to item non-response | Non-response at individual level (if applicable) | Non-response at household level (number of households) |
|---|--|---|--|--|
| At risk of poverty rate before social transfers except old-age and survivors' benefits    | 29520  | 0   | NA   | 3340   |
| At risk of poverty rate before social transfers including old-age and survivors' benefits | 29520  | 0   | NA   | 3340   |
| Gini coefficient  | 29520  | 0   | NA   | 3340   |
| Inequality of income distribution S80/S20 income quintile share ratio                     | 29520  | 0   | NA   | 3340   |
| Mean equivalised disposable income  | 29520  | 0   | NA   | 3340   |

Source: cross-sectional databases 2010

## 2.4 Mode of data collection

We used CAPI, CATI interviewing and data from administrative sources. Each household participated in EU-SILC was interviewed face-to-face or by phone.

CAPI mode was used to interview all the households in the first wave, all the households who were moved to another address, the households who did not inform us last year about phone number (did not wish to answer on the question about phone number or did not have phone) and the households to whom we did not make a contact by phone during the interviewing period for CATI interviewing.

Except the questionnaire we also used the following administrative sources from different institutions:

- Pension and Disability Insurance Institute (pensions, supplements, compensations)
- Ministry of Labour, Family and Social Affairs (social assistance benefits, data on family support benefits, parental allowances, compensation for a layette)
- Ministry for Environment and Spatial Planning (housing allowances)
- Health Insurance Institute (activity status of persons)
- Employment Service of Slovenia (income from unemployment, status of unemployed persons)
- Tax Authority (data from income tax register for taxable income like personal income, income of entrepreneurs, capital income, and income from property)
- Central Population Register (e.g. marital status, country of birth)
- Ministry of Agriculture, Forestry and Food (subsidies for farmers).

Also some other statistical sources were used such as the Statistical Register of Employment and special Survey on Scholarships.

For Member States using a sample of persons, the distribution of 'selected respondent', the distribution of 'household members aged 16 and over', and the distribution of 'non-selected respondent' by 'data status' (RB250) and by 'type of interview' (RB260) will be provided, for each rotational group (if applicable) and for the total.

**Table 20: Distribution of household members aged 16 (RB245 = 1 - 3) and over by 'RB250' (Total and rotational group breakdown)**

|                           |        | RB250 |              |              |
|---------------------------|--------|-------|--------------|--------------|
|                           |        |       | RB250_1_3_12 | RB250_1_3_13 |
|                           |        | Total | RB250=12     | RB250=13     |
| <b>Total</b>              | Number | 25239 | 15875        | 9364         |
| <b>Rotational Group 1</b> | Number | 4417  | 2795         | 1622         |
|                           | %      | 100.0 | 63.3         | 36.7         |
| <b>Rotational Group 2</b> | Number | 6029  | 3841         | 2188         |
|                           | %      | 100.0 | 63.7         | 36.3         |
| <b>Rotational Group 3</b> | Number | 6826  | 4284         | 2542         |
|                           | %      | 100.0 | 62.8         | 37.2         |
| <b>Rotational Group 4</b> | Number | 7967  | 4955         | 3012         |
|                           | %      | 100.0 | 62.2         | 37.8         |

Source: cross-sectional databases 2010

**Table 21: Distribution of household members aged 16 (RB245 = 2) and over by 'RB250' (Total and rotational group breakdown)**

|                           |        | RB250 |            |
|---------------------------|--------|-------|------------|
|                           |        |       | RB250_2_13 |
|                           |        | Total | RB250=13   |
| <b>Total</b>              | Number | 9364  | 9364       |
| <b>Rotational Group 1</b> | Number | 1622  | 1622       |
|                           | %      | 100,0 | 100.0      |
| <b>Rotational Group 2</b> | Number | 2188  | 2188       |
|                           | %      | 100,0 | 100.0      |
| <b>Rotational Group 3</b> | Number | 2542  | 2542       |
|                           | %      | 100,0 | 100.0      |
| <b>Rotational Group 4</b> | Number | 3012  | 3012       |
|                           | %      | 100,0 | 100.0      |

Source: cross-sectional databases 2010

**Table 22: Distribution of household members aged 16 (RB245 = 3) and over by 'RB250' (Total and rotational group breakdown)**

|                           |        | RB250 |            |
|---------------------------|--------|-------|------------|
|                           |        | Total | RB250_3_12 |
| <b>Total</b>              | Number | 15875 | 15875      |
| <b>Rotational Group 1</b> | Number | 2795  | 2795       |
|                           | %      | 100.0 | 100.0      |
| <b>Rotational Group 2</b> | Number | 3841  | 3841       |
|                           | %      | 100.0 | 100.0      |
| <b>Rotational Group 3</b> | Number | 4284  | 4284       |
|                           | %      | 100.0 | 100.0      |
| <b>Rotational Group 4</b> | Number | 4955  | 4955       |
|                           | %      | 100.0 | 100.0      |

Source: cross-sectional databases 2010

**Table 23: Distribution of household members aged 16 and over by 'RB260' (Total and rotational group breakdown)**

|                       |        | RB260 |         |         |         |
|-----------------------|--------|-------|---------|---------|---------|
|                       |        | Total | RB260_2 | RB260_3 | RB260_5 |
| <b>Total</b>          | Number | 9364  | 3076    | 3981    | 2307    |
|                       | %      | 100   | 32.8    | 42.5    | 24.6    |
| <b>Rotat. Group 1</b> | Number | 1622  | 88      | 1038    | 496     |
|                       | %      | 100,0 | 5.4     | 64.0    | 30.6    |
| <b>Rotat. Group 2</b> | Number | 2188  | 173     | 1440    | 575     |
|                       | %      | 100,0 | 7.9     | 65.8    | 26.3    |
| <b>Rotat. Group 3</b> | Number | 2542  | 358     | 1503    | 681     |
|                       | %      | 100,0 | 14.1    | 59.1    | 26.8    |
| <b>Rotat. Group 4</b> | Number | 3012  | 2457    | 0       | 555     |
|                       | %      | 100,0 | 81.6    | 0.0     | 18.4    |

Source: cross-sectional databases 2010

Alltogether data for 9364 households were inserted into the database. 4784 interviews were made by phone, 827 interviews by mobile phone and 3753 interviews by face to face interviewing. We did not inserted into the database the data for persons who were not selected by questionnaires – the majority of them are included in the first part of the questionnaire where the data about all household members are. Variables which are collected for all persons by questionnaires are PB220A, PB220B, PL031, PL040, PE010, PE020, PE030, PY010G/N (only allowances for traveling to/from work and allowances for lunch) PY021G/N, PY031G and PY120G/N. We do not collect these data with the separate questionnaire for individuals.

## **2.5 Interview duration**

We have measured separately length of household interview (HB100) and length of personal interview (PB120).

So, if we want to calculate the overall duration of the interview we have to sum up HB100 and PB120.

The average overall duration of the interview per interviewer was 22 minutes.

The average time for completing household questionnaire including personal register was 17 minutes.

The average time for completing personal questionnaire was 5 minutes.

The average overall duration by phone was 20 minutes and the same duration of interview was by mobile phone as well.

We measured interview duration automatically with BLAISE system. For the duration of interview we counted also the correction of the data, which interviewer inserted immediately after interview has been actually finished (before he/she closed the questionnaire).

## **2.6 Imputed rent**

As in all previous years we used stratification method. As outside source for rents we used additional survey about tenants, which was conducted in 2003. We adjusted the prices from that time to year 2009. In EU-SILC we used the following definition of the strata:

- 1) Ljubljana, not Ljubljana (Ljubljana is capital of Slovenia)
- 2) Have central heating, do not have central heating
- 3) numbers of room – garsonniere, 1,2,3, more than 3.

## **2.7 Company cars**

As in all previous years we asked in the questionnaire several questions about company cars. We asked for make, model of the car, months of use it, year of production of the car and value of the new car. After that we used the national tax rules about depreciation of the car to calculate the benefit. These variables are included in PY021G/N.

## 3 Comparability

### 3.1 *Basic concepts and definitions*

#### The reference population

The reference population is defined with the persons in the Central Register of Population which are aged 16 years or more. The individuals with Slovenian citizenship as well as foreigners were included in the sampling frame.

#### The private household definition

There were no divergences from the common definition.

#### The household membership

There were no divergences from the common definition.

#### The income reference period used

The income reference period was last calendar year (2009).

#### The period for taxes on income and social insurance contribution

The period was last calendar year (2009).

#### The reference period for taxes on wealth

The reference period for taxes on wealth was calendar year (2009).

#### The lag between the income reference period and current variables

The lag between the income reference period and current variables ranges from 2 to 6 months. Because we used administrative sources for the majority of income data, this lag is not important.

**Table 24: Distribution of households according to the month of interview CATI+CAPI, 2010**

| Month of interview |          | Frequency   | Percent      |
|--------------------|----------|-------------|--------------|
| <b>Total</b>       |          | <b>9364</b> | <b>100,0</b> |
| 2                  | February | 5881        | 62,8         |
| 3                  | March    | 2588        | 27,6         |
| 4                  | April    | 416         | 4,4          |
| 5                  | May      | 400         | 4,3          |
| 6                  | June     | 79          | 0,8          |

Source: Slovenian cross-sectional databases 2010

**Table 25: Distribution of households according to the month of interview CAPI, 2010**

| Month of interview |          | Frequency   | Percent     |
|--------------------|----------|-------------|-------------|
| <b>Total</b>       |          | <b>3753</b> | <b>40,1</b> |
| 2                  | February | 1616        | 17,3        |
| 3                  | March    | 1244        | 13,3        |
| 4                  | April    | 414         | 4,4         |
| 5                  | May      | 400         | 4,3         |
| 6                  | June     | 79          | 0,8         |

Source: Slovenian cross-sectional databases 2010

**Table 26: Distribution of households according to the month of interview CATI, 2009**

| Month of interview |          | Frequency   | Percent     |
|--------------------|----------|-------------|-------------|
| <b>Total</b>       |          | <b>5611</b> | <b>59,9</b> |
| 2                  | February | 4265        | 45,5        |
| 3                  | March    | 1344        | 14,4        |
| 4                  | April    | 2           | 0,0         |

Source: Slovenian cross-sectional databases 2010

### The total duration of the data collection of the sample

The field work lasted from 1<sup>st</sup> February 2010 to 14<sup>th</sup> June 2010.

### Basic information on activity status during the income reference period

This information was from 2010 on collected from outside sources and from questionnaire as well. We took the data on the last day of the each month from statistical register of employment and from National Health Insurance Company. Because of introduction of variables PL211A-L with more detailed categories, we had to add some data for calculation these variables from questionnaire. In the case that person was inactive in administrative source and active in the questionnaire, we took priority of the activity from questionnaire. This fact changed general distribution of the statuses in the variables PL211A-L.

## 3.2 Components of income

### 3.2.1 Differences between the national definitions and standard EU-SILC definitions, and an assessment of the consequences of the differences mentioned will be reported for the following target variables

This section gives a detailed overview of how the income data from registers have been organised in order to be comparable with the income concepts outlined in the SILC guidelines. In addition references are made to any digression from these guidelines.

Most of the data derived from registers are recorded gross at component level. All income data are collected at the individual level (i.e. the person registered as the receiver of the income). This also concerns typically "household" related incomes such as housing benefits and social assistance.

The datafile from Tax authority was edited in advance. Before we began to process the data in accordance with SILC guidelines we checked the data from tax datafile. We edited impossible values (for example negative values) and some very extreme values. Some imputations and corrections were made in advance. These imputations are not included into the imputation factor in the EU-SILC database. All other income files (social allowances, pensions etc.) were not edited in advance. After the data were included into EU-SILC databases, we used BANFF programm to reduce extreme values and these changes from other sources are included into imputations factors.

| Variable | Description   | Comments   |
|----------|---|--|
| HY010    | Total gross household income  | HY010=PY010G+PY021G +PY050G+PY090G+ PY100G + PY110G +PY120G+PY130G+ PY140G (for all households members) +HY040G+HY050G+HY060G+HY070G+ HY080G+HY090G+HY110G                     |
| HY020    | Total disposable household income   | HY020=PY010N+PY021N+PY050N+PY090N+PY100N+PY110N +PY120N + PY130N + PY140N (for all households members) +HY040N+HY050N+ HY060N+HY070N+HY080N+HY090N+HY110N-HY120G-HY130G-HY145N |
| HY022    | Total disposable household income before social transfers except old age and survivor's benefits    | HY022=HY020-PY090N-PY120N-PY130N-PY140N (variables PYxxxN for all household members) – HY050N-HY060N-HY070N  |
| HY023    | Total disposable household income before social transfers including old-age and survivor's benefits | HY023=HY020-PY090N-PY100N-PY110N-PY120N-PY130N-PY140N (variables PYxxxN for all household members) – HY050N-HY060N-HY070   |
| HY040G   | Income from rental of a property or land – gross  | Tax declaration:<br>Income reference period: year 2009   |
| HY040N   | Income from   | Tax declaration  |

| Variable | Description   | Comments  |
|----------|---|---|
|          | rental of a property or land – net  | Income reference period: year 2009  |
| HY090G   | Interest, dividends, profit form capital investments in unincorporated business gross | Interest from questionnaire – on the household level<br>Dividends and profits from tax declaration<br>Income reference period: year 2009  |
| HY090N   | Interest, dividends, profit form capital investments in unincorporated business net   | Interest from questionnaire – on the household level<br>Dividends and profits from tax declaration<br>Income reference period: year 2009  |
| HY050G   | Family/Children related allowances gross  | Administrative source from Ministry for labour, family and social affairs.<br>Income reference period: year 2009  |
| HY050N   | Family/Children related allowances net  | Administrative source from Ministry for labour, family and social affairs.<br>Income reference period: year 2009  |
| HY060G   | Social exclusion not elsewhere classified gross                                       | Humanitarian aid from questionnaire<br>Social exclusion from administrative sources<br>Income reference period: year 2009   |
| HY060N   | Social exclusion not elsewhere classified net   | Humanitarian aid from questionnaire<br>Social exclusion from administrative sources<br>Income reference period: year 2009   |
| HY070G   | Housing allowances gross  | Administrative source<br>Income reference period: year 2009   |
| HY070N   | Housing allowances net  | Administrative source<br>Income reference period: year 2009   |
| HY080G   | Regular inter – household cash transfer received gross                                | Questionnaire<br>Income reference period: year 2009   |
| HY080N   | Regular inter – household cash transfer received net                                  | Questionnaire<br>Income reference period: year 2009   |
| HY100G   | Interest repayments on mortgage gross   | Questionnaire<br>It was asked for principal, year when household hired the loan, interests rate, total numbers of repayment the mortgage, monthly amount of repayment<br>Income reference period: year 2009 |
| HY100N   | Interest repayments on mortgage net   | Questionnaire<br>It was asked for principal, year when household hired the loan, interests rate, total numbers of repayment the mortgage, monthly amount of repayment<br>Income reference period: year 2009 |
| HY110G   | Income received by people aged under 16 gross   | Tax declaration<br>Income reference period: year 2009   |
| HY110N   | Income received by people aged under 16 net   | Tax declaration<br>Income reference period: year 2009   |
| HY120G   | Regular taxes on wealth gross   | Questionnaire<br>Income reference period: year 2009   |
| HY120N   | Regular taxes on wealth net   | Questionnaire<br>Income reference period: year 2009   |

| Variable | Description  | Comments  |
|----------|--|---|
| HY130G   | Regular inter – household cash transfer paid – gross | Questionnaire<br>Income reference period: year 2009   |
| HY130N   | Regular inter – household cash transfer paid - net   | Questionnaire<br>Income reference period: year 2009   |
| HY140G   | Tax on income and social contribution                | Tax declaration<br>Income reference period: year 2009   |
| HY140N   | Tax on income and social contribution                | Tax declaration<br>Income reference period: year 2009   |
| HY145N   | Repayments/receipts for tax adjustment               | Tax declaration<br>Income reference period: year 2009   |
| HY170G   | Value of goods produced by own consumption gross     | Questionnaire – Value of goods (food and beverages) produced and consumed at home. From 2007 (income reference period 2006) the firewood is not included into HY170G.<br>Variable was implemented in 2010, in 2005-2009 the value of goods produced by own consumption was in variable PY070G.  |
| HY170N   | Value of goods produced by own consumption net       | Questionnaire – Value of goods (food and beverages) produced and consumed at home. From 2007 (income reference period 2006) the firewood is not included into HY170N.<br>Variable was implemented in 2010, in 2005-2009 the value of goods produced by own consumption was in variable PY070N.  |
| PY010G   | Employee cash or near cash income gross              | Tax declaration:<br>wage in 2009,<br>reimbursement for holidays,<br>student's work organized by special student's organizations ,<br>contract work,<br>Questionnaire:<br>reimbursement for transport,<br>allowance for meal<br>In the questionnaire it was asked for average monthly amount and then we calculated on the annual level – according to the months when person was in employment. |
| PY010N   | Employee cash or near cash income net                | Tax declaration:<br>wage in 2009,<br>reimbursement for holidays,<br>student's work organized by special student's organizations ,<br>contract work,<br>Questionnaire:<br>reimbursement for transport,<br>allowance for meal<br>In the questionnaire it was asked for average monthly amount and then we calculated on the annual level – according to the months when person was in employment. |
| PY020G   | Non-cash employee income gross                       | Tax declaration<br>Income reference period: year 2009   |
| PY020N   | Non-cash employee income net                         | Tax declaration<br>Income reference period: year 2009   |
| PY021G   | Company car gross                                    | Questionnaire - only company car<br>We asked different data about company car (car brand and model of the car, number of months of using it for private purposes, year of   |

| Variable | Description  | Comments   |
|----------|--|--|
|          |  | production of the car and the value of new such car)<br>Income reference period: year 2009   |
| PY021N   | Company car net  | Questionnaire - only company car<br>We asked different data about company car (car brand and model of the car, number of months of using it for private purposes, year of production of the car and the value of new such car)<br>Income reference period: year 2009   |
| PY030G   | Employer's social insurance contribution                 | Tax declaration<br>Income reference period: year 2009  |
| PY031G   | Optional employer's social insurance contributions       | Questionnaire<br>Income reference period: year 2009  |
| PY035G   | Contributions to individual private pensions plans gross | Questionnaire<br>We asked for average monthly amount in 2009 and number of months in 2009 when person contribute to individual private pensions plans.<br>Income reference period: year 2009   |
| PY035N   | Contributions to individual private pensions plans net   | Questionnaire<br>We asked for average monthly amount in 2009 and number of months in 2009 when person contribute to individual private pensions plans.<br>Income reference period: year 2009   |
| PY050G   | Cash benefits or losses from self-employment gross       | Tax declaration for personal incomes – profits, wage from enterprise, author contract<br>Tax declaration for entrepreneurs – losses, profits<br>Questionnaire – incomes from farming<br>Farming subsidies from administrative source – incomes from farming<br>Income reference period: year 2009<br>From farming we took into account the amount which was higher – from questionnaire or from data file about farming subsidies.<br>Farming subsidies do not include subsidies for investments and subsidies for natural disasters.<br>The income from farming was shared to the HH members according to their status of activity. If exists in the HH self-employed person that the share of farming were include to these person(s), if such person do not exist in the HH the second priority had employed persons and if also such persons do not exist in the HH then we divided amount to all HH members aged 16+. |
| PY050N   | Cash benefits or losses from self-employment net         | Tax declaration for personal incomes – profits, wage from enterprise, author contracts<br>Tax declaration for entrepreneurs – profits<br>Questionnaire – incomes from farming<br>Farming subsidies from administrative source – incomes from farming<br>Income reference period: year 2009<br>From farming we took into account the amount which was higher – from questionnaire or from data file about farming subsidies.<br>Farming subsidies do not include subsidies for investments and subsidies for natural disasters.<br>The income from farming was shared to the HH members according to their status of activity. If exists in the HH self-employed person that the share of farming were include to these person(s), if such person do not exist in the HH the second priority had employed persons and if also such persons do not exist in the HH then we divided amount to all HH members aged 16+.        |
| PY070G   | Value of goods produced by own consumption               | Questionnaire – Value of goods (food and beverages) produced and consumed at home. From 2007 (income reference period 2006) the firewood is not included into PY070G. The value is collected on the  |

| Variable | Description                                    | Comments   |
|----------|--|--|
|          | gross  | household level, we divided the share of amount to all HH members aged 16+, because it is impossible to know which HH member participated in the work and their share of work in the garden to produce the food and beverages.<br>Income reference period: year 2009.<br>In 2010 the variable was replaced by the variable HY170G.   |
| PY070N   | Value of goods produced by own consumption net | Questionnaire – Value of goods (food and beverages) produced and consumed at home. From 2007 (income reference period 2006) the firewood is not included into PY070N. The value is collected on the household level, we divided the share of amount to all HH members aged 16+, because it is impossible to know which HH member participated in the work and their share of work in the garden to produce the food and beverages.<br>Income reference period: year 2009.<br>In 2010 the variable was replaced by the variable HY170N. |
| PY080G   | Pension from individual private plans gross    | Questionnaire<br>Income reference period: year 2009<br>PY080G is not included in HY020 (except in 2007), but it is included in income for calculation of poverty indicators.   |
| PY080N   | Pension from individual private plans net      | Questionnaire<br>Income reference period: year 2009<br>PY080N is not included in HY020, (except in 2007), but it is included in income for calculation of poverty indicators.  |
| PY090G   | Unemployment benefits gross                    | Administrative source – Employment service of Slovenia<br>Income reference period: year 2009   |
| PY090N   | Unemployment benefits net                      | Administrative source – Employment service of Slovenia<br>Income reference period: year 2009   |
| PY100G   | Old age benefits gross                         | Administrative source – Pension and Disability Insurance institute, tax declaration<br>Income reference period: year 2009  |
| PY100N   | Old age benefits net                           | Administrative source – Pension and Disability Insurance institute, tax declaration<br>Income reference period: year 2009  |
| PY110G   | Survivor's benefits gross                      | Administrative source – Pension and Disability Insurance institute, tax declaration<br>By calculation PY110G we consider the legalisation in Slovenia and we did not exclude these incomes from PY110G in the case that person is older than it should be to reach old age benefits, thus survivor benefits were included in all cases in PY110G, it was not important how old person is.<br>Income reference period: year 2009  |
| PY110N   | Survivor's benefits net                        | Administrative source – Pension and Disability Insurance institute, tax declaration<br>By calculation PY110N we consider the legalisation in Slovenia and we did not exclude these incomes from PY110N in the case that person is older than it should be to reach old age benefits, thus survivor benefits were included in all cases in PY110N, it was not important how old person is.<br>Income reference period: year 2009  |
| PY120G   | Sickness benefits gross                        | Computed from questionnaire according to the data from tax declaration   |
| PY120N   | Sickness benefits net                          | Computed from questionnaire according to the data from tax declaration   |
| PY130G   | Disability benefits gross                      | Administrative source – Pension and Disability Insurance institute, tax declaration<br>By calculation PY130G we consider the legalisation in Slovenia and we did not exclude these incomes from PY130G in the case that person is older than it should be to reach old age benefits, thus disability benefits were included in all cases in PY130G, it was not important how old   |

| Variable | Description                        | Comments   |
|----------|------------------------------------|--|
|          |                                    | person is.<br>Income reference period: year 2009   |
| PY130N   | Disability benefits net            | Administrative source – Pension and Disability Insurance institute, tax declaration<br>By calculation PY130N we consider the legislation in Slovenia and we did not exclude these incomes from PY130N in the case that person is older than it should be to reach old age benefits, thus disability benefits were included in all cases in PY130N, it was not important how old person is.<br>Income reference period: year 2009 |
| PY140G   | Education related allowances gross | Statistical survey on scholarship. It is asked for monthly income in December and then it is calculated according to the numbers of month in which person was in education.  |
| PY140N   | Education related allowances net   | Statistical survey on scholarship. It is asked for monthly income in December and then it is calculated according to the numbers of month in which person was in education.  |

### 3.2.2 The source of procedure used for the collection of income variable

As in previous years, also in EU-SILC 2010 all income variables were collected from administrative sources except:

Reimbursements for the travel to/from work (PY010)  
 Allowances (in cash) for meal (PY010)  
 Non cash employee income (company car – PY020)  
 Optional employer's social insurance contributions (PY031G)  
 Contributions to private pensions plans (PY035)  
 Pensions from individual private plans (PY080)  
 Sickness benefits (PY120) - partly  
*- All these variables were collected on personal level.*

Value of goods produced by own consumption (HY170)  
 Income from agriculture (PY50)  
 Social exclusion not elsewhere classified (HY060) – incomes from humanitarian organisations  
 Interests (HY090)  
 Regular interhousehold cash transfer – received (HY080)  
 Alimonies received (HY081)  
 Regular taxes on wealth (HY120)  
 Regular interhousehold cash transfer – paid (HY130)  
 Alimonies paid (HY131)  
*- These variables were collected on household level.*

### 3.2.3 The form in which income variables at component level have been obtained

All data are recorded into the data file gross and net. Some of variables have the same values for the gross and for the net, because for some kind of income the taxes were not paid.

### **3.2.4 The method used for obtaining income target variables in the required form**

Only for PY021G and PY021N (company car) we converted the gross amount into the net amount. We took into account 25% tax, which is usually paid in advance to tax authority.

## 4 Coherence

### 4.1 The differences between HBS and EU-SILC

The main difference between HBS and EU-SILC is the source of the data for income. In HBS we collected all the data by CAPI (computer assisted personal interviewing), but in EU-SILC 2010 we used several sources. One part was collected by face to face interviewing. The majority of the data on income were collected from administrative sources.

We calculate the results from HBS from three consecutive annual surveys. For reference year 2009 data from three years (2008 – 2010) are calculated to the middle year (2009). In the HBS we have different income reference periods. Some of the data are asked only for last month and then this amount is multiplied with the number of months when person receives the amount, for some of the incomes reference period is defined as the last 12 months. In EU-SILC the only income reference period is the year 2009 – year of conducting survey minus one year.

**Table 27: Average income per household in EUR**

| Variable | Description   | EU-SILC | HBS    | Notes  |
|----------|---|---------|--------|--|
| HY010    | Total gross household income  | 27 749  | NA     |  |
| HY020    | Total disposable household income   | 21 381  | 18.774 | In HBS, all non-cash employee income is included. Only inter-household cash transfers paid are subtracted from net income. Regular taxes on wealth and repayments/receipts for tax adjustment are not included in HBS. |
| HY040G   | Income from rental of a property or land – gross                                      | 141     | NA     |  |
| HY040N   | Income from rental of a property or land – net  | 108     | 58     |  |
| HY090G   | Interest, dividends, profit form capital investments in unincorporated business gross | 258     | NA     |  |
| HY090N   | Interest, dividends, profit form capital investments in unincorporated business net   | 219     | 50     |  |
| HY050G   | Family/Children related allowances gross  | 798     | NA     |  |
| HY050N   | Family/Children related allowances net  | 654     | 514    |  |
| HY060G   | Social exclusion not elsewhere classified gross                                       | 150     | NA     |  |
| HY060N   | Social exclusion not elsewhere classified net   | 150     | 169    |  |
| HY070G   | Housing allowances gross  | 4       | NA     |  |
| HY070N   | Housing allowances net  | 4       | 1      |  |
| HY080G   | Regular inter – household cash transfer received gross                                | 103     | NA     |  |
| HY080N   | Regular inter – household cash transfer received net                                  | 103     | 60     |  |

| Variable | Description  | EU-SILC | HBS | Notes  |
|----------|--|---------|-----|--|
| HY100G   | Interest repayments on mortgage gross                | 163     | NA  |  |
| HY100N   | Interest repayments on mortgage net                  | 163     | NA  |  |
| HY110G   | Income received by people aged under 16 gross        | 16      | NA  |  |
| HY110N   | Income received by people aged under 16 net          | 16      | NA  | In HBS it is not available as a separate variable.                 |
| HY120G   | Regular taxes on wealth gross                        | 68      | NA  |  |
| HY120N   | Regular taxes on wealth net                          | 68      | 5   | In HBS, compensation for the use of building land is not included. |
| HY130G   | Regular inter – household cash transfer paid – gross | 137     | NA  |  |
| HY130N   | Regular inter – household cash transfer paid – net   | 137     | 141 |  |
| HY140G   | Tax on income and social contribution gross          | 6 162   | NA  |  |
| HY140N   | Tax on income and social contribution net            | 6 162   | NA  |  |
| HY145N   | Repayments/receipts for tax adjustment net           | -137    | NA  |  |
| HY170G   | Value of goods produced by own consumption           | 353     | NA  |  |
| HY170N   | Value of goods produced by own consumption           | 353     | 381 | Without firewood.  |

Source: EU-SILC cross sectional database 2010 and HBS 2008-2010

**Table 28:: Average income per household member**

| Variable | Description  | EU-SILC | HBS  | Notes  |
|----------|--|---------|------|--|
| PY010G   | Employee cash or near cash income gross                  | 7 181   | NA   |  |
| PY010N   | Employee cash or near cash income net                    | 5 005   | 4724 |  |
| PY020G   | Non-Cash employee income gross                           | 45      | NA   |  |
| PY020N   | Non-Cash employee income net                             | 38      | 18   |  |
| PY035G   | Contributions to individual private pensions plans gross | 74      | NA   |  |
| PY035N   | Contributions to individual private pensions plans net   | 74      | NA   |  |
| PY050G   | Cash benefits or losses from self-employment gross       | 579     | NA   |  |
| PY050N   | Cash benefits or losses from self-employment net         | 492     | 451  | In HBS we get income from farming from the questionnaire. In EU-SILC we get income from farming from questionnaire and administrative data on farming subsidies. |
| PY080G   | Pension from individual private plans gross              | 4       | NA   |  |
| PY080N   | Pension from individual private plans net                | 4       | 2    |  |
| PY090G   | Unemployment benefits gross                              | 81      | NA   |  |
| PY090N   | Unemployment benefits net                                | 59      | 52   |  |

| Variable | Description                        | EU-SILC | HBS  | Notes  |
|----------|------------------------------------|---------|------|--|
| PY100G   | Old age benefits gross             | 1 498   | NA   |  |
| PY100N   | Old age benefits net               | 1 490   | NA   | In HBS it is not available as a separate variable.                     |
| PY110G   | Survivor's benefits gross          | 211     | NA   |  |
| PY110N   | Survivor's benefits net            | 211     | NA   | In HBS it is not available as a separate variable.                     |
| PY120G   | Sickness benefits gross            | 183     | NA   |  |
| PY120N   | Sickness benefits net              | 123     | NA   | In HBS it is not available as a separate variable, included in HY060N. |
| PY130G   | Disability benefits gross          | 390     | NA   |  |
| PY130N   | Disability benefits net            | 386     | NA   | In HBS it is not available as a separate variable.                     |
|          | Pensions<br>(PY100N+PY110N+PY130N) | 2 086   | 1769 |  |
| PY140G   | Education related allowances gross | 64      | NA   |  |
| PY140N   | Education related allowances net   | 64      | 47   |  |

Source: EU-SILC cross sectional database 2010 and HBS 2008-2010

### Coherence with HBS – for variables HS070, HS080, HS090, HS100, HS110, percentage of households who have certain durable

**Table 29: Coherence with HBS**

|                 | EU-SILC 2010 | HBS 2008-2010 |
|-----------------|--------------|---------------|
| Colour TV       | 97.9         | 97.4          |
| Computer        | 66.3         | 63.7          |
| Washing machine | 98.3         | 96.9          |
| Car             | 81.5         | 80.3          |

Source: EU-SILC cross sectional database 2009 and HBS 2008-2010

HBS data are representative for year 2009.

## 4.2 The differences between LFS and EU-SILC

### Coherence with LFS for variable PL031 – self defined current economic status (%) – EU-SILC persons aged 16+, LFS persons aged 15+:

**Table 30: Coherence with LFS**

|                           | EU-SILC 2010 | LFS 1 <sup>st</sup> quarter 2010 |
|---------------------------|--------------|----------------------------------|
| Total                     | 100.0        | 100.0                            |
| Work                      | 48.6         | 50.6                             |
| Unemployed                | 8.1          | 7.0                              |
| Pupil, student            | 11.9         | 11.3                             |
| Retired                   | 29.0         | 27.3                             |
| Disabled for work         | 0.5          | 1.9                              |
| Fulfilling domestic tasks | 1.5          | 1.7                              |
| Other inactive person     | 0.4          | 0.2                              |

Source: EU-SILC cross sectional database 2010 and LFS 1<sup>st</sup> quarter 2010

### 4.3 The differences between EU-SILC and National Accounts

**Table 31: Total income in EU-SILC and NA in millions of eur, income year 2009**

|  | EU-SILC 2010 | National accounts |
|--|--------------|-------------------|
| Employee cash or near cash income (PY010G) | 14 366       | 16 129            |

Source: EU-SILC cross sectional database 2010 and [http://www.stat.si/letopis/2010/26\\_10/26-09-10.htm](http://www.stat.si/letopis/2010/26_10/26-09-10.htm)

We expect the difference between EU-SILC and NA in Employee cash or near cash income, because we did not use the same definitions. National accounts namely included into this variable also commission, tips, directors' fees paid to employees, payments made by employers to their employees under saving schemes and housing allowances paid in cash by employers to their employees. NA includes in this variable also benefits (company car and others), which employees received from employer.

### 4.4 The differences between EU-SILC 2006, 2007, 2008, 2009 and 2010

**Table 32: Some income variables in Eur on HH level in EU-SILC 2006-2010, including all households**

| Variable     | EU-SILC 2006 | EU-SILC 2007 | EU-SILC 2008 | EU-SILC 2009 | EU-SILC 2010 |
|--------------|--------------|--------------|--------------|--------------|--------------|
| Median HY010 | 20 230       | 21 843       | 23 504       | 25 763       | 22 833       |
| Median HY020 | 16 638       | 17 742       | 19 220       | 20 977       | 18 865       |
| Median HY022 | 14 375       | 15 385       | 16 743       | 18 389       | 16 442       |
| Median HY023 | 10 640       | 11 426       | 12 830       | 13 993       | 11 602       |

Source: EU-SILC cross sectional databases for 2006, 2007, 2008, 2009 and 2010

**Table 33: Some income variables in Eur on HH level in EU-SILC 2006-2010, including only households, who received definite amount**

| Variable      | EU-SILC 2006 | EU-SILC 2007 | EU-SILC 2008 | EU-SILC 2009 | EU-SILC 2010 |
|---------------|--------------|--------------|--------------|--------------|--------------|
| Median HY040G | 601          | 1 002        | 675          | 720          | 900          |
| Median HY050G | 843          | 921          | 942          | 1 069        | 1 218        |
| Median HY060G | 1 177        | 1 049        | 1 039        | 1 134        | 1 108        |
| Median HY090G | 137          | 93           | 150          | 240          | 180          |

Source: EU-SILC cross sectional databases for 2006, 2007, 2008, 2009 and 2010

**Table 34: Some income variables in Eur on personal level in EU-SILC 2006-2010, including only persons, who received definite amount**

| Variable      | EU-SILC 2006 | EU-SILC 2007 | EU-SILC 2008 | EU-SILC 2009 | EU-SILC 2010 |
|---------------|--------------|--------------|--------------|--------------|--------------|
| Median PY010G | 10 194       | 10 805       | 11 320       | 12 133       | 12 281       |
| Median PY050G | 1 063        | 931          | 1 351        | 2 065        | 2 100        |
| Median PY100G | 6 159        | 6 764        | 7 152        | 7 543        | 8 005        |
| Median PY110G | 4 580        | 4 776        | 4 895        | 5 317        | 5 467        |
| Median PY120G | 632          | 579          | 665          | 661          | 640          |
| Median PY130G | 4 608        | 4 822        | 5 062        | 5 277        | 5 549        |
| Median PY140G | 1 494        | 1 562        | 1 582        | 1 516        | 1 428        |

Source: EU-SILC cross sectional databases for 2006, 2007, 2008, 2009 and 2010

In EU-SILC 2010, median of disposable income decreased in comparison to previous year, what is in line with expectations due to economic crisis beginning in 2009.

**Table 35: Variable PL030 (Self defined current economic status) in EU-SILC 2006-2008 and PL031 EU-SILC 2009-2010**

|   | EU-SILC 2006 | EU-SILC 2007 | EU-SILC 2008 | EU-SILC 2009 | EU-SILC 2010 |
|---|--------------|--------------|--------------|--------------|--------------|
| Total   | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        |
| Working full time   | 47.5         | 48.1         | 48.8         | 47.6         | 46.0         |
| Working part time   | 1.3          | 1.5          | 1.5          | 2.2          | 2.5          |
| Unemployed  | 7.9          | 7.2          | 6.3          | 6.9          | 8.1          |
| Pupil, student, further training, unpaid work experience      | 11.3         | 12.0         | 12.0         | 11.9         | 11.9         |
| In retirement or in early retirement or has given up bussines | 29.0         | 28.7         | 28.7         | 28.6         | 29.0         |
| Permanently disabled or/and outfit to work                    | 0.5          | 0.4          | 0.4          | 0.5          | 0.5          |
| In compulsory military community or service                   | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          |
| Fulfilling domestic tasks and care responsibilities           | 2.1          | 1.8          | 1.8          | 1.7          | 1.5          |
| Other inactive person   | 0.4          | 0.3          | 0.4          | 0.7          | 0.4          |

Source: EU-SILC cross sectional databases for 2006, 2007, 2008, 2009 and 2010

**Table 36: Variable HH010 (Dwelling type) in EU-SILC 2006-2010 - percentage of households**

|  | EU-SILC 2006 | EU-SILC 2007 | EU-SILC 2008 | EU-SILC 2009 | EU-SILC 2010 |
|--|--------------|--------------|--------------|--------------|--------------|
| Total  | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        |
| Detached house   | 65.8         | 64.7         | 64.2         | 65.1         | 63.4         |
| Semi detached or terraced house                              | 3.8          | 3.9          | 4.2          | 4.1          | 3.9          |
| Appartment or flat in a building with less than 10 dwellings | 8.0          | 8.6          | 8.3          | 8.3          | 8.4          |
| Appartment or flat in a building with 10 or more dwellings   | 22.1         | 22.3         | 22.8         | 22.1         | 23.9         |
| Some other kind of accomodation                              | 0.3          | 0.5          | 0.5          | 0.4          | 0.4          |

Source: EU-SILC cross sectional databases for 2006, 2007, 2008, 2009 and 2010

**Table 37: Variable HS040 (Capacity to afford paying for one week annual holiday away from home) in EU-SILC 2006-2010 - percentage of households**

|       | EU-SILC 2006 | EU-SILC 2007 | EU-SILC 2008 | EU-SILC 2009 | EU-SILC 2010 |
|-------|--------------|--------------|--------------|--------------|--------------|
| Total | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        |
| Yes   | 66.1         | 67.7         | 66.7         | 66.4         | 64.4         |
| No    | 33.9         | 32.3         | 33.3         | 33.6         | 35.4         |

Source: EU-SILC cross sectional databases for 2006, 2007, 2008, 2009 and 2010

**Table 38: Variable HS110 (Do you have a car?) in EU-SILC 2006-2010 – percentage of households**

|                    | EU-SILC 2006 | EU-SILC 2007 | EU-SILC 2008 | EU-SILC 2009 | EU-SILC 2010 |
|--------------------|--------------|--------------|--------------|--------------|--------------|
| Total              | 100.0        | 100.0        | 100.0        | 100.0        | 100.0        |
| Yes                | 81.1         | 82.1         | 82.7         | 83.3         | 81.5         |
| No – cannot afford | 5.1          | 5.5          | 5.0          | 4.8          | 4.9          |
| No – other reason  | 13.8         | 12.4         | 12.3         | 12.0         | 13.6         |

Source: EU-SILC cross sectional databases for 2006, 2007, 2008, 2009 and 2010

#### **4.5 The differences between EU-SILC and administrative sources**

The coherence between EU-SILC data and administrative data sources was not done, because administrative sources were input of the data into the EU-SILC survey.

### **5 Ad hoc module 2010 on Intra-household sharing of resources**

The ad hoc module 2010 was collected in accordance with EU-SILC Regulation on income and living conditions (EU-SILC) as regards the 2010 list of target secondary variables on material deprivation (O.J. of European Union 646/2009).

We did not find any particular problem when conducting ad hoc module 2010.

In the questionnaire we included and transmitted to Eurostat all variables from regulation including optional variables about time use and about money spent for own purposes and for children. It was only strange for us that we asked the questions about time use only for households where live at least 2 persons aged 16 or more. It would be quite more logical that these questions would be included for all persons aged above 16.