Statistics Netherlands

Division of Social and Spatial Statistics
Department of Support and Development
Unit Research and Development

Heerlen
The Netherlands

Intermediate quality report

EU-SILC 2007

The Netherlands

Heerlen/Den Haag, 16 January 2009

Preface

In recent years, Statistics Netherlands has focused on an increased use of register data instead of survey data in the production process of statistical information. By making efficient use of register data, Statistics Netherlands intends to improve the accuracy of the statistical information, and, at the same time, to decrease the response burden on households. Examples of administrative registrations are the Population Register (the municipal basic registration of population data; in Dutch: Gemeentelijke BasisAdministratie - GBA), data on social security and tax data. The Population Register (GBA) contains information on age, sex, ethnicity, place of birth, place of residence, marital status and other information for all (registered) persons living in the Netherlands. This registration has been available from 1995 onwards, and is updated monthly. The Labour Force Survey (LFS) is one of the social statistical databases that are linked to the GBA. The design of the LFS is based on a face-to-face interview (CAPI), followed by a four-wave panel by telephone interview (CATI).

The EU-SILC was conducted for the first time in 2005. And for various reasons (costs, response burden, available information), it was decided to consider the option of using the fifth wave LFS-respondents as the EU-SILC sampling frame. In doing so, a relatively short telephone-interview (on average 13 minutes) was sufficient to collect the additional EU-SILC information.. Consequently, all information based on the Population Register, register data on income and the LFS was matched to to the EU-SILC respondents.

Statistics Netherlands implemented the integrated four-year rotational design which means that the cross-sectional en longitudinal EU-SILC data are based on the same set of sample observations. Rotational design refers to the sample selection based on a number of subsamples or replications. Once the system is fully established (from year 4 onwards) the sample for any one year consists of four replications which have been in the survey for 1, 2, 3 or 4 years. Each year one of the four replications is dropped and replaced by a new one. Thus, sample persons in two rotational groups of the initial sample in 2005 were asked to take part in the second follow-up interview in 2007. One rotational group contains sample persons being re-interviewed for the first time and one rotational group consists of a new sample persons who were drawn from the Labour Force Study similar to EU-SILC 2005.

1. Common Indicators

1.1 Common cross-sectional European Union indicators EU-SILC 2007

In the following tables the common cross-sectional European Union indicators are reported. The SAS-applications to calculate these indicators were provided by Eurostat .

Table 1.1: Common Indicators EU-SILC 2007

Indicator	Value
At-risk-of-poverty rate after social transfers - total	10
At-risk-of-poverty rate after social transfers - men total	10
At-risk-of-poverty rate after social transfers - women total	11
At-risk-of-poverty rate after social transfers - 0-17 years	14
At-risk-of-poverty rate after social transfers - 65+ years	10
At-risk-of-poverty rate after social transfers - 18-64 years	9
At-risk-of-poverty rate after social transfers - men 65+ years	9
At-risk-of-poverty rate after social transfers - men 18-64 years	8
At-risk-of-poverty rate after social transfers - women 65+ years	11
At-risk-of-poverty rate after social transfers - women 18-64 years	10
Median of the equivalised disposable household income	18207
At-risk-of-poverty threshold - single	10924
At-risk-of-poverty threshold - 2 adults, 2 children	22941
Relative median at-risk-of-poverty gap - total	17
Relative median at-risk-of-poverty gap - men total	18
Relative median at-risk-of-poverty gap - women total	17
Relative median at-risk-of-poverty gap - 0-17 years	18
Relative median at-risk-of-poverty gap - 18-64 years	18
Relative median at-risk-of-poverty gap - 65+ years	10
Relative median at-risk-of-poverty gap - men, 18-64 years	22
Relative median at-risk-of-poverty gap - men, 65+ years	9
Relative median at-risk-of-poverty gap - women, 18-64 years	18
Relative median at-risk-of-poverty gap - women, 65+ years	11
Inequality of income distribution S80/S20 income quintile share ratio	4
Relative median income ratio people aged 65+ (R_GE65_45TO54) - total	0,78
Relative median income ratio people aged 65+ (R_GE65_45TO54) - men	0,81
Relative median income ratio people aged 65+ (R_GE65_45TO54) - women	0,76
Aggregate replacement ratio - total	0,42
Aggregate replacement ratio - men total	0,49
Aggregate replacement ratio - women total	0,54
At-risk-of-poverty rate after social transfers - employed	5
At-risk-of-poverty rate after social transfers - non-employed	15
At-risk-of-poverty rate after social transfers - unemployed	27
At-risk-of-poverty rate after social transfers - retired	9
At-risk-of-poverty rate after social transfers - other inactive	18
At-risk-of-poverty rate after social transfers - men, employed	5

At-risk-of-poverty rate after social transfers - men, non-employed	14
At-risk-of-poverty rate after social transfers - men, unemployed	28
At-risk-of-poverty rate after social transfers - men, retired	7
At-risk-of-poverty rate after social transfers - men, other inactive	19
At-risk-of-poverty rate after social transfers - women, employed	5
At-risk-of-poverty rate after social transfers - women, non-employed	15
At-risk-of-poverty rate after social transfers - women, unemployed	27
At-risk-of-poverty rate after social transfers - women, retired	11
At-risk-of-poverty rate after social transfers - women, other inactive	17
At-risk-of-poverty rate after social transfers by household type	
HH_NDCH (Households without dependent children)	9
A1_LT64 (One adult younger than 64 years)	17
A1_GE65 (One adult older than 65 years)	10
A1F (Single female)	16
A1M (Single male)	13
A2_2LT65 (Two adults younger than 65 years)	6
A2_GE1_GE65 (Two adults, at least one aged 65 years and over)	9
A_GE3 (Three or more adults)	7
HH_DCH (Households with dependent children)	11
A1_DCH (Single parent with dependent children)	30
A2_1DCH (Two adults with one dependent child)	7
A2_2DCH (Two adults with two dependent children)	5
A2_GE3DCH (Two adults with three or more dependent children)	19
A_GE3_DCH (Three or more adults with dependent children)	5
At-risk-of-poverty rate after social transfers by work intensity of the household	
HH_NDCH (Households without dependent children)	
MAXWORK	3
SOMEWORK	5
NONEWORK	16
HH_DCH (Households with dependent children)	
MAXWORK	6
SOMEGE05	12
SOMELT05	22
NONEWORK	50
At-risk-of-poverty rate after social transfers- owner	6
At-risk-of-poverty rate after social transfers- rent	18
Before social transfers except old-age and survivors' benefits	
At-risk-of-poverty rate before social transfers - total	21
At-risk-of-poverty rate before social transfers - men total	20
At-risk-of-poverty rate before social transfers - women total	22
At-risk-of-poverty rate before social transfers - 0-17 years	25
At-risk-of-poverty rate before social transfers - 18-64 years	20
At-risk-of-poverty rate before social transfers - 65+ years	17
At-risk-of-poverty rate before social transfers - men, 18-64 years	18
At-risk-of-poverty rate before social transfers - men, 65+ years	15
At-risk-of-poverty rate before social transfers - women, 18-64 years	22
At-risk-of-poverty rate before social transfers - women, 65+ years	19
Before social transfers including old-age and survivors' benefits	

At-risk-of-poverty rate before social transfers - total	35
At-risk-of-poverty rate before social transfers - men total	32
At-risk-of-poverty rate before social transfers - women total	38
At-risk-of-poverty rate before social transfers - 0-17 years	25
At-risk-of-poverty rate before social transfers - 18-64 years	26
At-risk-of-poverty rate before social transfers - 65+ years	95
At-risk-of-poverty rate before social transfers - men, 18-64 years	23
At-risk-of-poverty rate before social transfers - men, 65+ years	95
At-risk-of-poverty rate before social transfers - women, 18-64 years	29
At-risk-of-poverty rate before social transfers - women, 65+ years	95
Gini coefficient	28

1.2. Other indicators

1.2.1. *Equivalised disposable income*

Mean equivalised disposable income, on personal level: € 20,753 . Imputed rent, interest repayments on mortgage and pensions from individual private plans have not been included in the calculation of disposable income.

1.2.2. *The unadjusted gender pay gap*

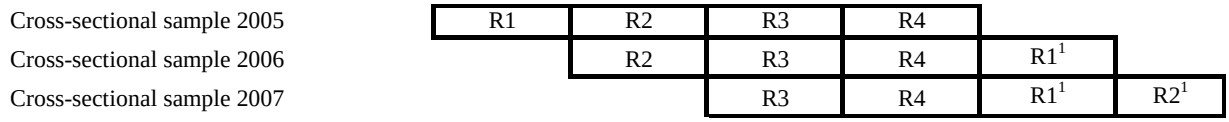
The gender pay gap is not computed on the basis of EU-SILC.

2. Accuracy

2.1 Sampling design

The EU-SILC survey is an annual survey with a four-year rotational panel and has been carried out as an integrated survey, covering both cross-sectional and longitudinal primary target variables by a single operation. The cross-sectional sample of SILC 2007, the third year of EU-SILC in the Netherlands, consists of two "old" rotational groups (R3,R4) which took part in SILC 2005. Group $R1^1$ has entered the survey in 2006 and sample persons in group $R2^1$ were interviewed for the first time.

Figure 2.1. Rotational design EU-SILC



2.1.1 Type of sampling

Sample persons in the new rotational group 2 ($R2^{1)}$ were partly drawn from the Labour Force Survey (LFS). The LFS sample was drawn from the sampling frame of addresses. This sampling frame was constructed from the Population Register, and is updated monthly.

The sampling design can be classified as a two-stage sampling design, with municipalities as primary sampling units and addresses as secondary sampling units. The systematic sampling of first stage elements is with probability proportional to size (number of addresses per municipality), while the second stage elements are selected with simple random sampling such that the total sampling design becomes self-weighting. The primary sampling units are stratified according to a combination (crossing) of two regional attributes, COROP and interviewer region; the regions are non-overlapping. From the addresses further sampling units are constructed: households, and sample persons in selected households. For the measurement of detailed information on social variables one member of the household aged 16 or older is selected (the selected respondent).

2.1.2 Sampling units

The sampling units are addresses that are registered in the sampling frame. All households on selected addresses are eligible for the survey, up to a maximum of three households per address.

2.1.3 Stratification criteria

The stratification variables are the regional variables COROP (40 regions) and interviewer region. The strata are constructed by crossing these variables. Applying this type of stratification allows for representative samples on a regional level. Moreover, this type of stratification makes it possible to use fixed size samples for each of the interviewer regions.

2.1.4 Sample size and allocation criteria

Member states have to achieve a minimum effective sample size for the cross-sectional and longitudinal sample. For the Netherlands the net cross-sectional sample size is 6,500 households and 6,500 selected persons over 15 (concerning the measurement of social variables). Correcting for estimated design effects, the minimum achieved sample size should be 8,500 households and 8,500 selected persons over 15 years of age (a justification of this figure will be given in section 2.1.8.1). Similar considerations apply to the longitudinal sample: in this case the net sample size is 5,000 households and 5,000 selected persons over 15, and the achieved sample size should be 6,500 households and 6,500 selected persons over 15.

The sampling design is partly based on the design for the Labour Force Survey (LFS), which has a panel structure with five rotational groups. In the first wave, interviews are conducted through face-to-face interviewing. Subsequent waves are conducted through telephone interviewing. The period between waves is three months. When the first wave of the LFS survey has been completed, addresses with all residents aged over 64 are removed from the sample. Households that have taken part in all five waves of the labour force survey are recruited for the EU-SILC survey. If a household is willing to participate, it is contacted in the month following the final LFS interview. As addresses with all residents aged over 64 are no longer present in the last wave of the LFS survey an extra sample is required. We therefore distinguish between two EU-SILC samples: the first sample represents the set of addresses with households that have participated in the LFS survey. At least one of the household members living on such an address is under 65. The allocation of this sample is illustrated in table 2.1. The second sample is a set of addresses with all residents aged over 64. The allocation of this sample is illustrated in table 2.2. Both samples are based on the sample selection scheme of section 2.1.5.

In 2007, 9,981 households in the fifth wave of the LFS were recruited for the fist wave of the EU-SILC survey (rotational group R2'). Among them 3,475 were actually used by the institute for EU-SILC and 3,106 households completed the household questionnaire.

Households in the LFS-sample which did not respond to the LFS-survey or which have not been used for recruiting EU-SILC respondents have not been registered in the EU-SILC household register (D-file). Only households which were actually used for EU-SILC are registered in this register.

Table 2.1: sample size sample 1; at least one resident aged below 65

Addresses used for recruiting EU-SILC households	*9,981*
willing to participate in EU-SILC survey	7,485
not willing to participate	2,496
Willing to participate in EU-SILC	*7,485*
addresses used by the institute for EU-SILC	3,475
addresses not used by the institute for EU-SILC	4,010
Addresses used by the institute for EU-SILC	*3,475*
addresses successfully contacted for EU-SILC	3,290
addresses not successfully contacted	185
Addresses successfully contacted for EU-SILC	*3,290*
household questionnaire EU-SILC completed	3,160
refusal to co-operate	54
household temporarily away for duration of fieldwork	
unable to respond	4
other reasons	72
Household questionnaire completed	*3,290*
accepted for database	3,106
interview rejected	54

For the sample of addresses with all residents aged over 64, all of the issued 1,295 addresses were used. 70 of these were not successfully contacted. Of the remaining addresses 666 households completed the questionnaire. Again a small number of interviews had to be rejected, 625 households were accepted for the database. Combining both samples, the number of new accepted household interviews in the new rotational group (R2') is 3,731..

Table 2.2. sample size sample 2; all residents at address are 65 or older.

Issued addresses	*1295*
addresses used by the institute	1295
addresses not used by the institute	0
Addresses used by the institute	*1295*
addresses successfully contacted	1225
addresses not successfully contacted	70
Addresses successfully contacted	*1295*
household questionnaire EU-SILC completed	666
refusal to co-operate	402
household temporarily away for duration of fieldwork	
unable to respond	119
other reasons	38
Household questionnaire completed	*666*
accepted for database	625
interview rejected	41

2.1.5 Sample selection scheme

As stated before, the primary sampling units are selected by means of systematic sampling with probability proportional to size. Therefore the ordering of these units in the strata is relevant: the primary sampling units in each of the strata are randomly ordered. The secondary sampling units are selected with simple random sampling in order that the total sampling design becomes self-weighting.

Addresses corresponding to institutions, addresses that have been part of a survey sample in the previous year, and addresses in some small regions of the national territory (West Frisian Islands) are removed from the sample. These addresses are not part of the reference population. In the case of sample 1, a number of sampling units in each of the interviewer regions is randomly removed in order to fit the sample with the available face-to face interview capacity. The sampling design for this sample is therefore no longer strictly self-weighting. In the case of sample 2 the datacollection process has been conducted by telephone interviewing. Only addresses were selected with all residents aged over 64. The resulting samples represent the sets of issued addresses in tables 2.1 and 2.2.

2.1.6 Sample distribution over time

The following tables provide an overview of the cumulative sample development (all rotational groups) during the fieldwork period from 1 June 2007 to 5 October 2007. Table 2.3 illustrates the sample development of sample 1, table 2.4 that of sample 2.

Table 2.3:cumulative sample size over time, EU-SILC sample 1, at least one resident aged below 65

Fieldwork from .. to ..	Processed addresses	Accepted interviews
01/06 – 30/06	2,495	1,436
01/06 – 31/07	5,263	3,802
01/06 – 31/08	6,817	5,917
01/06 – 05/10	10,146	8,782

Table 2.4: cumulative sample size over time, EU-SILC sample 2, all residents at address are 65 or older

Fieldwork from .. to ..	Processed addresses	Accepted interviews
01/06 – 30/06	431	382
01/06 – 31/07	1,281	730
01/06 – 31/08	2,044	1,175
01/06 – 05/10	2,371	1,437

2.1.7 Renewal of samples: rotational groups

For the Netherlands, 2005 was the first year EU-SILC was conducted. A new sample was constructed and divided into four rotational groups. Each rotational group is a subsample, each by itself representative of the whole population, and each constructed using the same sampling design. One of the subsamples was purely cross-sectional and was not followed up in 2006. Respondents in the second subsample will participate for two years, in the third subsample for three years, and in the fourth subsample for four years. In order to compensate for panel attrition, the subsamples are chosen to be of different sizes: subsamples of respondents that participate longer in the EU-SILC survey are therefore larger. Because accurate panel attrition rates were not available in the first year of the EU-SILC survey, the subsample sizes are chosen to be of quite different sizes in order to guarantee a longitudinal sample of sufficient size. The longitudinal 2006-2007 sample consists of 6,488 households (rotational group R1',R3 and R4).

Table 2.5: size of rotational groups EU-SILC 2007

	Total	R1'	R2'	R3	R4
Used addresses	12,517	2,266	4,770	2,261	3,220
Successfully contacted addresses	11,612	2,066	4,515	2,090	2,941
Accepted household interviews	10,219	1,876	3,731	1,909	2,703

2.1.8 Weighting

In this paragraph the computation of cross-sectional weights will be discussed. These weights were calculated in compliance with the Eurostat recommendations for these calculations.

2.1.8.1 Design factor

The design factor (or design effect) expresses the loss in precision due to the actual sampling design, as compared to a single random sampling (SRS) design. As such, it plays an important role in determining the required sample size. The design factor can be calculated as the ratio of the variance (of a particular estimator), obtained under the actual design, to the variance obtained by SRS. Here, the design factor for the total at-risk-of-poverty rate is presented. The calculation of the design factor proceeds as follows. The variance obtained under the actual design is found by squaring the corresponding standard error listed in table 2.6 (see section 2.2.1). Next, in order to compute the variance that would have been obtained from a single random sample, a resampling method is used to simulate such a sample from the actual sample file. The simulated single random sample is subsequently used to infer the SRS variance, following the same strategy as outlined in section 2.2.1. With the thus found variance, the resulting design factor for the at-risk-of-poverty rate was 1.24 for the EU-SILC 2006 operation. The design factor with respect to the 2007-operation will be provided in the final version of the quality report.

2.1.8.2 Non-response Adjustments

Non-response adjustments are necessary because of the bias introduced by selective non-response on the household level. Selective non response affects the inclusion probabilities of the sampling units. Ideally the inclusion probability can be calculated by multiplying the inclusion probabilities of the sampling design with the exact response probabilities. Unfortunately, in practice these response probabilities are unknown and some kind of approximation has to be made.

The method of logistic regression was adopted to approximate the response probabilities for the new rotational group. The response probabilities were modelled by the explanatory variables age, degree of urbanisation, type of household, and labour force status. For the old rotational groups a proper model could not be fitted using logistic regression. Therefore the response probabilities were considered equal for all persons in the response.

2.1.8.3 Adjustments to external data

Adjustments made by calibration schemes in general improve the accuracy of the data (mean square error). Three good reasons for using calibration schemes are: 1) the estimates of variables that are used in the calibration scheme are made consistent with those of more reliable sources. 2) the standard error of the estimates is reduced if the calibration variables correlate with target variables. 3) non-response bias is reduced if the calibration variables correlate with both target variables and response probabilities.

Two external data sources were used in the calibration procedure:
1. the Population Register (GBA), and
2. the register on income data based on integral data from the tax authorities in 2006.

The adjustments were made on the basis of the base weights: the product of the design weights with the inverse of the response probabilities (non-response weights). The calibration was performed on household and personal level using linear consistent weighting, so that individuals within the household have identical weights equal to the household weight. The set of variables used for calibration includes the smaller subset suggested by Eurostat in document EU-SILC 065/04. Additional calibration variables that correlate strongly with the target variables were added: income data and data on tenure status from the income register. The following variables were included in the calibration scheme:

- sex,
- age in years, 0 thru 84 and 85 years and over,
- age in classifications: age1 (under 16, 16 to 19, 5 year age groups between 20 and 74, and over 74)
- household level: six categories (1, 2, 3, 4, 5 and 6 and more household members),
- region: 12 categories, one for each of the provinces (nuts 2),
- tenure status, in two classifications (owner, tenant)
- equivalized disposable income (CBS-definition) in deciles
- source of income (employee, self-employed, unemployed, social assistance, disabled, retired aged under 65, retired aged 65 years or older, student, no income).
- low income category, in three classifications (non target population, low income and other income).
- at-risk of poverty-rate IPS (Income Panel Survey)

Taking into account consistency requirements and the correlation of weighting terms with important target variables (Laeken indicators), the following weighting terms were constructed:

weighting model terms at household level:
- household size,
- region (nuts 2),
- tenure status (tenure1)
- low income category.

weighting model terms at personal level:
- sex x age,
- equivalized income (decile group),
- age2 x sex, ,
- source of income
- At-risk of poverty-rate IPS (Income Panel Survey)

Children's weights were adjusted to the population of 1-year age bands originating from the Population Register (GBA).

2.1.8.4 Final cross-sectional weight

The household cross-sectional weight db090 and the personal cross-sectional weight rb050 are the direct result of the linear consistent weighting procedure that is described in paragraph 2.1.8.3. Children who were born in a sample household in the course of 2006 receive the weight db090 of the household they belong to, and this equals their personal cross-sectional weight rb050.
The personal cross-sectional weight pb040 equals the weight rb050 for persons of 16 years and older. For persons younger than 16 years this weight equals 0.
Finally the cross-sectional weights for the selected respondent are determined by adjusting the weight pb040 for the probability with which the respondent is chosen within the household. For the "old" rotational groups, these probabalities are equal to those in the initial year of the survey. For the new rotational group persons that are older than 16 have the same probability of being selected. This probability is four times as large for persons that are exactly 16 years.

2.1.9 Substitutions

Not applicable.

2.2 Sampling errors

2.2.1 Standard errors and effective sample size

Table 2.6 show sthe estimated standard errors of the key EU-SILC indicators. The underlying methodology is the linearization technique coupled with the use of the software package Bascula which has been developed by the methodology department at Statistics Netherlands. Using Bascula one can calculate (weighted) totals, means, ratios and the corresponding standard errors of target variables for a variety of sampling designs and weighting models. The indicators presented below have been calculated on the basis of the equivalised income including the benefits from private pension plans.

Table 2.6: Standard errors common cross-sectional indicators EU-SILC 2007

indicator			value	Achieved sample size	standard error
Mean equivalised disposable income (euro)			20809,0	25752	113,00
At-risk-of-poverty threshold - single (euro)			10946,0	25752	57,00
At-risk-of-poverty threshold - 2 adults, 2 children (euro)			22987,0	25752	119,00
At-risk-of-poverty rate by age and gender					
	Total (0+)	Total	10,1	25752	0,3
		M	9,5	12756	0,39
		F	10,7	12987	0,41
	0-15	Total	14,3	6129	0,85
	16-24	Total	16,3	2199	1,14
		M	13,7	1176	1,49
		F	19,3	1023	1,85
	25-49	Total	8,4	9354	0,41
		M	7,6	4481	0,63
		F	8,4	4873	0,48
	50-64	Total	6,7	5433	0,61
		M	6,5	2725	0,77
		F	7,0	2708	0,78
	65+	Total	9,6	2637	1,08
		M	8,7	1244	1,21
		F	10,2	1393	1,23
	16+	Total	9,1	19623	0,31
		M	8,3	9626	0,41
		F	9,9	9997	0,41
	16-64	Total	9,0	16986	0,33
		M	8,2	8382	0,45
		F	9,8	8604	0,44
	0-64	Total	10,2	23115	0,33
		M	9,8	11521	0,43
		F	10,7	11594	0,46

indicator			value	Achieved sample size	standard error
At-risk-of-poverty rate by most frequent activity status and by gender and selected age group					
Age 16+	Of which: 'At work'	Total	4,6	11901	0,26
		M	4,6	6433	0,31
		F	4,6	5468	0,4
	Of which: 'Not at work'	Total	14,1	7481	0,67
		M	13,3	3070	1,02
		F	14,6	4411	0,77
	...Of which: Unemployed	Total	26,7	486	3
		M	27,5	219	4,5
		F	26,0	267	3,6
	...Of which: Retired	Total	8,5	3150	0,96
		M	6,4	1513	1,02
		F	10,2	1637	1,14
	...Of which: Other inactive	Total	16,6	3845	0,92
		M	17,3	1338	1,53
		F	16,1	2507	1,1
At-risk-of-poverty rate by household type					
All hh no dep. childr.	Total		9,1	10667	0,51
	1 person hh	Total	14,6	2448	1,02
		M	13,0	1015	1,56
		F	15,8	1433	1,37
		age < 65 yrs	16,8	1639	1,32
		age 65+	9,8	809	1,52
	2 adults no dep. childr.	both age < 65 yrs	5,5	4804	0,82
		at least one age 65+	8,7	2118	1,37
	Other hh no dep. childr.		6,6	1297	1,95
All hh with dep. childr.	Total		11,1	15233	0,59
	Single parent	at least 1 dep. child	30,9	977	3,57
	2 adults	1 dep. child	6,8	2688	1,35
		2 dep. children	5,3	6756	0,92
		3+ dep. children	19,4	3588	2,2
	Other hh with dep. childr.		7,0	1224	2,9
At-risk-of-poverty rate by accommodation tenure status and by gender and selected age group					
Age 0+	(a) Owner or rent-free	Total	6,0	20350	0,42
	(b) Tenant	Total	18,4	5550	0,9
At-risk-of-poverty rate by work intensity of the household					
	All hh no dep. childr.	WI = 0	15,0	1544	1,69
		0 < WI < 1	5,1	3661	0,94
		WI = 1	3,0	3177	0,49
	All hh with dep. childr.	WI = 0	51,6	320	6,28
		0 < WI < 0.5	23,2	639	5,04
		0.5 <= WI < 1	11,7	5721	1,24
		WI = 1	5,8	8556	0,74

indicator			value	Achieved sample size	standard error
Inequality of income : S80/S20 income quintile share ratio					
		Total	4,0	25752	0,02
Relative median at-risk-of-poverty gap by gender and selected age group					
	Total (0+)	Total	17,0	1235	1,22
		M	17,5	574	1,53
		F	16,9	661	1,32
	0-15	Total	18,2	388	1,94
	16+	Total	16,9	847	1,23
		M	18,2	374	1,85
		F	16,5	473	1,28
	16-64	Total	18,2	699	1,36
		M	21,3	311	2,27
		F	17,0	388	1,39
	65+	Total	8,8	148	1,5
		M	8,6	63	1,72
		F	9,5	85	1,77
Dispersion around the at-risk-of-poverty threshold					
	40%		2,6	25752	0,25
	50%		5,2	25752	0,3
	70%		19,3	25752	0,38
At risk of poverty rate before all social transfers except old-age/survivors' pensions by gender and age group					
	Total (0+)	Total	20,6	25752	0,36
		M	19,5	12756	0,47
		F	21,7	12987	0,49
	0-15	Total	24,9	6129	0,94
	16+	Total	19,5	19623	0,37
		M	17,9	9626	0,51
		F	21,1	9997	0,47
	16-64	Total	20,1	16986	0,38
		M	18,5	8382	0,53
		F	21,8	8604	0,53
	65+	Total	16,7	2637	1,27
		M	14,7	1244	1,36
		F	18,3	1393	1,52
At risk of poverty rate before all social transfers including old-age/survivors' pensions by gender and age group					
	Total (0+)	Total	35,5	25752	0,34
		M	32,5	12756	0,46
		F	38,5	12987	0,45
	0-15	Total	25,2	6129	0,94
	16+	Total	38,0	19623	0,33
		M	34,1	9626	0,46
		F	41,7	9997	0,43
	16-64	Total	26,1	16986	0,38
		M	23,2	8382	0,53
		F	29,1	8604	0,52
	65+	Total	94,9	2637	0,5
		M	94,4	1244	0,64
		F	95,4	1393	0,56
Inequality of income distribution : Gini coefficient					
		Total	27,6	25905	0,4

2.3 Non-sampling errors

2.3.1 Sampling frame and coverage errors

As already mentioned in paragraph 2.1.1, the sampling frame of addresses is constructed from the Population Register. First a complete list of addresses is made and then divided into 10 disjoint groups: A0, A1, A2 …, A9. Each of these subsets contains 10% of all the addresses in the Population Register. Subset A0 is used as an address sampling frame for the years 2000, 2010, 2020, …, subset A1 is used as an address sampling frame for the years 2001, 2011, and so on. With this kind of approach the sampling frames of ten subsequent years are disjoint and addresses that are contacted within one particular year will not be part of another address survey sample for the next nine years. This approach is in compliancy with the policy of Statistics Netherlands to reduce respondent burden in all surveys. Finally, additional information on the type of address and number of postal delivery points is added to the sampling frame using data from the Geographical Municipal Registration (in Dutch: Geografisch BasisRegister – GBR). The result is a set of disjoint sampling frames (one for each year) with address information and personal information of all individuals that are registered in a Dutch municipality.

Each year in September the sampling frames for the next year are constructed. The sampling frame of addresses is updated monthly for changes related to births, deaths, migration, new addresses, and vacancies. Also taken into account are changes in municipality boundaries and postal codes. At the date of sample drawing the entries of the sampling frame are therefore practically equal to those in the Population Register (GBA). As the fieldwork period starts six weeks later, coverage errors may occur: during the six weeks between drawing and application of the sample new addresses will be established and some addresses have become vacant or have been demolished.

Institutional addresses are removed after drawing the sample by comparing the sample addresses with entries in the register of institutional addresses. This register is updated once a year, so a small number of over-coverage errors are to be expected.

2.3.2 Measurement and processing errors

Measurement errors originate from four basic sources:

(a) the questionnaire (effects of the design, content and wording);
(b) the data collection method (effects of the modes of interviewing);
(c) the interviewer (effects of the interviewer on the response to a question including errors of the interviewer);
(d) the respondents (effects of the respondent on the interpretation of items).

Statistics Netherlands implemented a number of measures to reduce such errors.

- put in specialised expertise in developing questionnaires;
- routings in the questionnaires to provoke only the relevant questions for the respondent;
- cognitive laboratory experiments with focus groups and depth interviewing.
- there is an opportunity to make remarks in the questionnaire;
- evaluations of the questionnaire
- a stable automation system of data communication and production;
- monitoring system;
- each record contains interview accounts as well as interview data;
- extended interviewer instructions and regularly refreshing courses on basic skills and on EU-SILC;
- Interviewer manual;

In a first step in 2002 part of the EU-SILC questionnaire has been tested extensively in a pre-test and a field-test (Snijkers, Beukenhorst and Huynen, 2002).

The aim of this testing was to assess whether:

- The EU-SILC questions are understood and answered by respondents as intended and, if not, how the questions can be improved.
- Any problems occurred during the interviews with regard to the reading aloud by the interviewer or answering of the questions by respondents.

The laboratory pre-test addressed both aims mentioned above, whereas the field test focused on the second aim. Starting from the preliminary report of the laboratory pre-test (Giesen et al, 2002; Eurostat, 2001) rephrased the questions on health, among others. The Questionnaire Laboratory of Statistics Netherlands conducted face-to-face computer-assisted pre-test interviews with 10 volunteer respondents. In 20 in-depth interviews, the wording and comprehensibility of the questionnaire, duration of the interview and the sequence of the questions has been examined. This was important, particularly to improve the instructions for the interviewers (more information is included in Giesen et al, 2002).

Statistics Netherlands used the CATI–method for the EU-SILC interview. Two seperate questionnaires for the 65- and 65plus households (see chapter 3) were programmed in Blaise with several data entry and coding controls to reduce processing errors. Finally the EU-SILC files were transformed into Eurostats' standard format and tested using the checking programs developed by Eurostat.

2.3.3 Non-response errors

2.3.3.1 Achieved sample size

In 2005 a new sample was constructed and divided in four rotational groups. In table 2.9a it is shown that the four groups differ in size to compensate for panel attrition. The first group did only participate for one year (purely cross-sectional), the second for two years, the third for three years and the fourth for four years. Consequently the sample size for the first group (R1) was smaller than the sample size for the second group (R2), followed by the third (R3) and the fourth group (R4). The first group has been replaced by a new group R1' in EU-SILC 2006 (tabel 2.9b). Group R2' consists of new sample persons who were drawn from the Labour Force Study similar to EU-SILC 2005

The longitudinal response rate for the other groups (R2, R3, R4) is about 80%.

Table 2.9a: Sample Size and accepted Interviews EU-SILC 2005

	Total	**R1**	**R2**	**R3**	**R4**
Persons 16 years and older	17,852	1,667	2,581	5,674	7,930
Number of sample persons	9,356	957	1,331	2,958	4,110
Number of accepted personal questionnaires	17,852	1,667	2,581	5,674	7,930
Accepted household interviews	9,356	957	1,331	2,958	4,110

Table 2.9b: Sample Size and accepted Interviews EU-SILC 2006

	Total	**R1'**	**R2**	**R3**	**R4**
Persons 16 years and older	17,392	4,395	2,082	4,522	6,393
Number of sample persons	8,986	2399	1,051	2,311	3,285
Number of accepted personal questionnaires	17,392	4,395	2,082	4,522	6,393
Accepted household interviews	8,986	2339	1,051	2,311	3,285

Table 2.9c: Sample Size and accepted Interviews EU-SILC 2007

	Total	**R1'**	**R2'**	**R3**	**R4**
Persons 16 years and older	19,623	3,555	6,979	3,736	5,353
Number of sample persons	10,219	1,876	3,731	1,909	2,703
Number of accepted personal questionnaires	19,623	3,555	6,979	3,736	5,353
Accepted household interviews	10,219	1,876	3,731	1,909	2,703

2.3.3.2 Unit non-response

Indicators of unit non-response are included in table 2.10. The overall household non response rate is 17%. This rate differs slightly between the four rotational groups. Statistics Netherlands has focused on an increased use of register data instead of survey data in the production process of statistical information. Examples of administrative registrations are the Population Register (in Dutch: GBA), data on social security and tax data. The GBA is a fully decentralised, comprehensive and cohesive registration which contains information on age, sex, ethnicity, place of birth, place of residence, marital status, and etcetera for (registered) persons living in the Netherlands. This registration is available from 1995 onwards.

Most of the present administrative Registers are provided with a unique link key. This is the so-called social security and fiscal number (SoFi-number). This SoFi-number is a personal identifier for every (registered) Dutch inhabitant and for those living abroad who receive an income from activities in the Netherlands and consequently have to pay tax over their earnings to the Dutch fiscal authorities. A few SoFi-numbers may be registered with incorrect values in the data-files, in which case linkage with other files is doomed to fail. However, in general, the percentage of matches is close to 100 percent. All social statistics data-files can be linked to the GBA, which in practice means that all these data files can be linked to each other via the GBA.

In surveys records do not have a SoFi-number. This is also true for the EU-SILC part in which data are collected by interviews. For those records an alternative link key must be used, which is often built up by combining a set of identifying variables (address, sex and date of birth). This sort of link key will in most cases be successful in distinguishing people. However, it is not a 100 percent unique combination of identifiers. When linking the Population Register as well as the records from EU-SILC with this alternative key – and tolerating a variation between sources in at most one of the variables sex, year of birth, month of birth or day of birth – it reveals that 99 percent of the EU-SILC-records can be linked. This 99 percent linked cases is a very good result, though we should not exclude a danger of selectivity in the micro-linking process. The other persons and their household members have been rejected from the database. This is acceptable because the number of persons which could not be linked is very low and the developing of imputation methods for these households is high. Consequently, there's no partial unit non-response with respect to income in the EU-SILC database. However, this method implies a loss of efficiency of the survey and the non response bias is difficulty controllable. If the unlinked records belong to a selective subpopulation, then estimates based on the linked records may be biased, because they do not represent the total population. Analysis in the past has indicated that the young people, the 15–24 age group, show a lower linking rate in household sample surveys than other age groups. The explanation for this phenomenon is that they move more frequently and therefore they are often registered at the wrong address (e.g. students). However, in using a weighting model which includes age, any selectivity in the database has been solved accordingly.

Table 2.10: Indicators on Unit Non-response

	Total	R1'	R2'	R3	R4
Addresses successfully contacted	11,612	2,066	4,515	2,090	2,941
Valid addresses selected	12,373	2,225	4,762	2,224	3,162
RA address contact rate	0,94	0,93	0,95	0,94	0,93
Number of household interviews accepted	10,219	1,876	3,731	1,909	2,703
RH (proportion of completed household interviews accepted)	0.88	0,91	0,83	0,91	0,92
NRh (Household non-response rate) %	17,4%	15,7%	21,7%	14,2%	14,5%
Personal interviews completed	19,623	3,555	6,979	3,736	5,353
Number of eligible individuals	19,623	3,555	6,979	3,736	5,353
Rp 1)	1	1	1	1	1
Individual non response rate (%)	0	0	0	0	0
Overall individual non-response (%)	17,4%	15,7%	21,7%	14,2%	14,5%

1) proportion of complete interviews within the households accepted for the database

2.3.3.3 Distribution of households by household status (DB110), by record contact at address (DB120), by household questionnaire result (DB130) and by household interview acceptance (DB135)

Table 2.11: Distribution of DB120, DB130 and DB135

	Total	R1	R2	R3	R4
DB120 –Contact at address					
Address contacted	11,612	2,066	4,515	2,090	2,941
Address unable to access	761	159	247	134	221
Address does not exist	144	41	8	37	58
Total	12,517	2,266	4,770	2,261	3,220
DB130- Household questionnaire result					
Household questionnaire completed	10,463	1,913	3,826	1,951	2,773
Refusal to cooperate	691	83	456	67	85
Entire household temporary away					
Household unable to respond	188	20	123	16	29
Other reasons	270	50	110	56	54
Total	11,612	2,066	4,515	2,090	2,941
DB135- Household interview acceptance					
Interview accepted for database	10,219	1,876	3,731	1,909	2,703
Interview rejected	244	37	95	42	70

2.3.3.4 Distribution of substituted units by household status (DB110), by record contact at address (DB120), by household questionnaire result (DB130) and by household interview acceptance (DB135)

not applicable

2.3.3.5 Item non-response

As income data are based on register information – except for the two questions concerning the inter-household transfers (paid and received) – all income variables do not consist item non-response.

Table: 2.12 Item non-response household income compontents

	households having received an amount		With full information		With non or partial information	
	count	%	count	%	count	%
HY010 Total household gross income	10,219	100	10,047	98	172	2
HY020 Total disposable household income	10,219	100	9,890	98	329	3
HY022 HY020 before transfers (except pensions)	10,219	100	9,890	98	329	3
HY023 HY020 before transfers including pensions	10,219	100	9,890	98	329	3
HY030G Imputed rent	7,018	69	7,018	69	-	-
HY040G Income from rental of a property or land	347	3	250	2	97	1
HY050G Family/Children related allowances	3,620	35	3,620	36	-	-
HY060G Social exclusion not elsewhere classified	679	7	679	7	-	-
HY070G Housing allowances	875	9	875	10	-	-
HY080G Regular inter-household cash tansfer received	643	6	550	5	93	1
HY090G Interest, dividends, profit from capital gain	8,943	88	8,943	88	-	-
HY100G Interest repayments on mortgage	6,414	63	6,414	62	-	-
HY110G Income received by people under 16	177	2	177	2	-	-
HY130G Regular inter-household cash transfer paid	1,252	12	1,084	11	168	1
HY140G Tax on income and social contibutions	10,219	100	10,219	100	-	-

Table: 2.13 Item non-response personal income compontents

	Persons (16+) having received an amount		With full information		With non or partial information	
	count	%	count	%	count	%
PY010G Employee cash or near cash income	13,267	68	13,267	68	-	-
PY020G Non-Cash employee income	-	-	-	-	-	-
PY021G Company car	1057	5	1057	5	-	-
PY030G Employer's social insurance contribution	14,530	74	14,530	74		
PY035G Contributions to individual private pension plans	2,993	15	2,993	15	-	-
PY050G Cash benefits/losses from self-employment	1,878	10	1,878	10	-	-
PY080G Pension from individual private plans	82	0	82	0	-	-
PY090G Unemployment benefits	849	4	849	4	-	-
PY100G Old-age benefits	3,942	20	3,942	20	-	-
PY110G Survivor' benefits	169	1	169	1	-	-
PY120G Sickness benefits	299	2	299	2	-	-
PY130G Disability benefits	964	5	964	5	-	-
PY140G Education-related allowances	994	5	994	5	-	-

2.4 Mode of data collection

The response part of Labour Force Survey has been used as the sampling frame for EU-SILC. The income target variables have been derived from Registers. As a result, a substantial reduction of the questionnaire has been achieved. This enabled Statistics Netherlands to use Computer Assisted Telephone Interview (CATI) as interview mode.

Table 2.14: Distribution of RB245, RB250 and RB260 by rotational group

	Total	R1	R2	R3	R4
RB245-Respondent Status					
Household member aged 16 and over	19,623	3,555	6,979	3,736	5,353
- selected respondent	10,219	1,876	3,731	1,909	2,703
-not selected respondent	9,404	1,679	3,248	1,827	2,650
RB250- data Status					
Information completed only from registers (11)	42	6	19	5	12
Information completed from both interview and registers (13)	19,581	3,549	6,960	3,731	5,341
Total	19,623	3,555	6,979	3,736	5,353
RB260 – Type of interview (selected respondent)					
CATI (3)	9,296	1,688	3,175	1,798	2,635
Proxy interview (5)	923	188	556	111	68

One point of concern is the number of proxy-interviews with respect to the detailed variables (selected respondent). In 2005, this proxy rate was quite high (27%). For the 2006 and 2007 operation, specific measures have been taken to substantially reduce the number of proxy-interviews, such as interview-training and specific instructions how to approach the selected person in the household. This resulted in a 10% proxy rate in EU-SILC 2007.

2.5 Duration of interview and imputation procedure

The total duration of the interview equals 13 minutes on average per household. and it includes the personal interview with the selected respondent and the household questionnaire.

3. Comparability

This chapter reports on the differences between Eurostat definitions and the definitions Statistics Netherlands applied in EU-SILC 2007. It also reports in the impact of these differences on the comparability.

3.1 Basic concepts and definitions

(a) Reference population

The reference population of EU-SILC is all private households and their current members residing in the Netherlands at the time of data collection. The West Frisian Islands with the exception of Texel were excluded from the target population. This is also true for persons living in collective households and in institutions.

(b) Private household

No difference to the common definition.

(c) Household membership

There are some minor differences in the treatment of special categories like lodgers or people temporarily away (e.g. students). These people are only included as a household member if they are registered at the households' address. According to the EU-definitions resident boarders, lodgers and tenants should be included if they share expenses, have no private address elsewhere or their actual/intended duration of stay must be six months or more. Statistics Netherlands does not apply this limit of six months.

(d) Income reference period(s)

The income data of EU-SILC 2007 refer to the calendar year 2006. The income data were mainly collected from registers.

(e) The period for taxes on income and social insurance contributions

Taxes on income and social contributions are based on the ‘income received’ in the income reference year (accrual basis) and do not refer to the amounts actually paid in the income reference year.

(f) The reference period for taxes on wealth

There are no taxes on wealth in the Netherlands.

(g) The lag between the income reference period and current variables

The EU-SILC fieldwork period started in June 2007 and ended at 5 October 2007. Therefore the lag is at minimum 5 months and at maximum 10 months.

(h) The total duration of the data collection of the sample

The total duration of the data collection was approximately 5 months.

(i) Basic information on activity status during the income reference period

The monthly activity status during the income reference period is mainly based on register data on the main income source. The distinction between full-time and part-time work is based on the survey part of EU-SILC and the LFS.

3.2 Components of income

There are some differences in the definition of total gross income and disposable income based on the national definition and the SILC definition.

According to the Commission Regulation:

- *Interest paid on consumer debts is not considered as part of income definition in EU-SILC. In Statistics Netherlands' statistics on disposable household income interest payments on consumer debts are deducted to derive the disposable income.*

- *Contributions to individual private pension plans (PY035) are classified under items which are not to be considered as income. In Statistics Netherlands' statistics on disposable household income, regular contributions to and benefits from private insurance schemes covering the risk of income loss are treated similarly as regular contributions to and benefits from (mandatory) social insurance and pension insurance schemes. This implies that contributions are deducted and benefits are added to derive disposable income*.

3.2.1 Differences in definitions of the income target variables

Income variables with no differences from standard EU-SILC definitions are not mentioned.

Total household gross income and disposable income (HY010 and HY020);
The total household income (gross/disposable) has been computed without taking account the interest paid on mortgage and imputed rent. Subsequently the payable tax on income and social insurance contributions have been corrected to get the fictitious amounts that should have been paid if these components were not received/paid.

Total disposable household income before social transfers except old-age and survivor's benefits (HY022);
In order to calculate HY022 Statistics Netherlands calculated the taxable income without the income components:

PY090G + PY120G +PY130G + PY140G + HY050G +HY060G +HY070G.

Subsequently the payable tax on income and social insurance contributions have been corrected. The reason for this adaptation – the exclusion of these income components – is to calculate the fictitious amounts that should have been paid if such social transfers were not received.

Total disposable household income before social transfers including old-age and survivor's benefits (HY023);

Like HY022, but the income components PY100G and PY110G were also excluded.

Family/children-related allowances (HY050);
Maternity and parental leave benefits are not included in HY050 as those benefits cannot be separated from wages. These components are included in variable PY010.

Regular inter-household cash transfers received - (HY080);
Alimonies received from former spouse are available in the Tax Administration. Other transfers like payments received from parents living in a separate household (e.g. students) and child alimony are collected in the EU-SILC- interview.

Regular taxes on wealth (HY120);
There are no taxes on wealth in the Netherlands.

Regular inter-household cash transfers paid (HY130);
Maintenance allowances to former spouse were collected form the Tax Administration. Other transfers like child alimony are collected in the EU-SILC interview.

Total tax on income and social contribution (HY140);
When calculating disposable income some components were excluded (interest repayments on mortgage, imputed rent). Therefore, this variable refers to the fictitious amounts that have to be paid as if there were no (tax deductible) interest repayments on mortgage.

Gross employee cash income (PY010G);
Allowances for transport to or from work are not included in PY010. Severance and termination payments to compensate employees and redundancy payments (including lump-sum payments) are also included in PY010G. They are not included in PY090G (unemployment benefits).

Unemployment benefits (PY090G);
PY090 includes the vocational training allowance, i.e. payment by social security funds or public agencies to targeted groups of persons in the labour force who take part in training schemes intended to develop their potential for employment. Statistics Netherlands has no information available on benefit (in-kind) related to vocational training.

3.2.2 The source or procedure used for the collection of income variables

The variables concerning income, wealth and taxes were almost entirely collected from registers. The most important source is the Tax Administration. Data on rent subsidies are obtained from the Ministry of Housing. Student grants were obtained from the student loan company. Some components were imputed on the basis of information given in the questionnaire. For example, child benefits were calculated on the basis of the information about the number and age of children in the household.

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

All income 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.

3.2.4 The method used for obtaining the income target variables in the required form (i.e. gross values).

Not applicable

3.3 New income components in 2007

The following describes the new income components that are calculated for the first time for EU-SILC 2007, namely the employer's social contributions (PY030G) and the value of goods produced for own consumption (PY070G).

The employer's social contibutions have been imputed on the basis of the register information on fiscal wages (the amounts before income tax) for persons with wages and persons receiving benefits. To compute the employer's social contributions properly we have to differentiate between (certain) classifications of the fiscal wages and divisions in NACE. Allthough the whole system of derivations is rather complex, the resulting imputations of the employers' social contributions are considered to be very valid. They are used as regular input for our system of National accounts.

The following 3 types of employer social contributions can be distinghuished in The Netherlands:

- Pensions: pension premiums (including pré-pension contributions and supplementary contributions to compensate gaps in the Disablement Insurance Act (WAO) and the Survivor's benefit (AnW),
- Inactivity: Dutch Health Act (ZW), Unemployment Insurance Act (WW), Disablement Insurance Act (WAO)
- Health Insurance: System of dutch national health services

In the Netherlands the value of goods produced for own consumption doesn't constitute a significant component of the income. In the Netherlands there are approxomately 240.000 allotment gardens which are cultivated by private households.(3 percent of the households). According to the national accounts the value of fruit and vegetables produced for own consumption in these gardens is 8 million euro, which means a value of 30 euro per household, before deducting costs. Therefore, the value of goods produced for own consumption is assumed to be zero.

4. Coherence

Coherence refers to the comparison of target variables with external sources.

4.1 Description of data sources

The Income Panel Survey (IPS)

The main aim of IPS is to provide a detailed description of the composition and distribution of income of persons and households. The IPS-panel started in 1989. A simple random sample of individuals of 0.61% of the population was selected. This is the nuclear sample. These individuals are followed in the panel. Each year 0.61% of all new-born children and immigrants is added to the sample to counterbalance the effect of attrition. The complete sample consists of everyone belonging to the households of the individuals who belong to the nuclear sample. This extension to all household members results in a total sample of about 250.000 persons. However, only those persons belonging to the nuclear sample are followed in the panel. Other household members will only be followed when they remain with the reference person. The reference population is the population at the end of the year. The IPS is based mainly on information from the tax department and the PR. The IPS contains information on income of the person and of the other members of the household, a limited set of personal characteristics (age, sex and marital status) and some household characteristics (household composition). The household income is derived by aggregating the incomes of all the members of the household.

4.2 Comparison of income target variables with IPS

The result of the comparison between IPS 2006 (preliminary) and the incomes reported from EU-SILC 2007 is shown in Table 4.1. Both sources are compared using the national definition of income. Equivalised income has been computed using the modified OECD-equivalence scale.

Table 4.1 : Comparison EU-SILC 2007 and IPS 2006

		EU-SILC 2007	**IPS 2006** [1)]
		x 1000 euro	x 1000 euro
Mean disposable income [2)]		35.8	35.7
Mean equivalised income		19.6	19.5
Median equivalised income		17.3	17.5
At-risk-of-poverty rate (60%)	*Total*	10.6	10.7
	Male	10.2	10.4
	Female	11	10.9
Dispersion around the threshold (%)	*(a) 40% of median*	3.3	3.4
	(b) 50% of median	5.8	6.0
	(c)70% of median	18.4	18.2

1) Source: CBS (Income Panel Survey, preliminary)
2) personal level

4.3 Comparison of number op persons and households who receive income from each 'component'

Table 4.2 and table 4.3 show the comparison between EU-SILC and IPS on income-component level. The differences on both personal and household level are quite small, with the exception of the inter-household transfers (HY080G and HY130G) due to extra collected information in the EU-SILC interview (see chapter 3.

Table 4.2 Personal income components, IPS 2006-EU-SILC 2007

	count	sum	median	mean
EU-SILC 2007	*x 1000*	*mln euro*	*x 1000 euro*	
PY010G Employee cash or near cash income	8,016	216,320	23,8	27,0
PY020G Non-Cash employee income	558	2,873	4,7	5,2
PY030G Employer's social insurance contribution	9,141	49,548	4,1	5,4
PY035G Contributions to individual private pension plans	1,623	3,676	1,0	2,3
PY050G Cash benefits or losses from self-employment	1,269	20,467	5,7	16,1
PY080G Pension from individual private plans	60	626	7,3	10,5
PY090G Unemployment benefits	560	4, 469	5,1	8,0
PY100G Old-age benefits	3,052	52,151	13,2	17,1
PY110G Survivor' benefits	108	1, 072	12,8	9,9
PY120G Sickness benefits	218	642	1,0	2,9
PY130G Disability benefits	666	7,893	10,9	11,9
PY140G Education-related allowances	801	2,374	3,0	3,0
IPS 2006 [1)]				
PY010G Employee cash or near cash income	7,974	214,121	23,3	26,9
PY020G Non-Cash employee income	585	3,320	5,0	5,7
PY030G Employer's social insurance contribution	9,080	68,943	4,8	7,6
PY035G Contributions to individual private pension plans	1,410	3,797	1,0	2,7
PY050G Cash benefits or losses from self-employment	1,220	24,860	9,0	20,4
PY080G Pension from individual private plans	77	951	7,4	12,4
PY090G Unemployment benefits	555	4,348	5,0	7,8
PY100G Old-age benefits	3,024	52,565	13,0	17,4
PY110G Survivor' benefits	122	1,187	12,7	9,7
PY120G Sickness benefits	266	1,125	1,4	4,2
PY130G Disability benefits	612	7,051	11,5	11,5
PY140G Education-related allowances	792	2,278	3,0	2,9

1) Source: CBS (Income Panel Survey, preliminary)

Table 4.3 Household income components, IPS 2005-EU-SILC 2006

	Count	sum	median	mean
EU-SILC 2007	*x 1000*	*mln euro*	*x 1000 euro*	
HY030G Imputed rent	3,847	9,546	2,2	2,5
HY040G Income from rental of a property or land	230	1,839	4,5	8,2
HY050G Family/Children related allowances	1,917	3,283	1,6	1,7
HY060G Social exclusion not elsewhere classified	756	5,926	8,4	7,8
HY070G Housing allowances	1,092	1,963	1,9	1,8
HY080G Regular inter-household cash transfer received	596	2,406	2,9	4,0
HY090G Interest, dividends, profit from capital gain	5,834	14,481	0,3	2,5
HY100G Interest repayments on mortgage	3,467	25,991	6,2	7,5
HY110G Income received by people under 16	82	111	0,3	1,4
HY120G Regular taxes on wealth	-	-	-	-
HY130G Regular inter-household cash transfer paid	774	3,094	2,5	4,0
IPS 2006 [1)]				
HY030G Imputed rent	3,843	9,113	2,1	2,4
HY040G [2)] Income from rental of a property or land	196	1,189	1,9	6,1
HY050G Family/Children related allowances	1,938	3,180	1,5	1,6
HY060G Social exclusion not elsewhere classified	747	5,635	6,8	7,5
HY070G Housing allowances	950	1,732	1,9	1,8
HY080G Regular inter-household cash transfer received	61	619	5,7	10,1
HY090G Interest, dividends, profit from capital gain	5,276	8,671	0,3	1,6
HY100G Interest repayments on mortgage	3,435	25,876	6,3	7,5
HY110G Income received by people under 16	89	60	0,3	0,7
HY120G Regular taxes on wealth	-	-	-	-
HY130G Regular inter-household cash transfer paid	91	640	3,8	7,0

1) Source: CBS (Income Panel Survey, preliminary)
2)) From EU-SILC 2007 onwards questions about the income from rental of a property or land have been added to the EU-SILC questionnaire.

4.4 Comparison with EU-SILC 2005 and 2006

Table 4.4 and table 4.5 show the comparison between EU-SILC 2007 and previous operations on income-component level.

Table 4.4 Personal income components, EU-SILC 2005- 2007

	count	sum	median	mean
EU-SILC 2005	*x 1000*	*mln euro*	*x 1000 euro*	
PY010G Employee cash or near cash income	7,859	204,636	23,7	26,0
PY020G Non-Cash employee income	519	2,492	4,5	4,8
PY035G Contributions to individual private pension plans	1,732	4,119	0,9	2,4
PY050G Cash benefits or losses from self-employment	1,235	21,363	6,4	17,3
PY080G Pension from individual private plans	62	1 263	5,7	20,3
PY090G Unemployment benefits	611	4 934	5,7	8,1
PY100G Old-age benefits	2,943	49,294	12,6	16,7
PY110G Survivor' benefits	111	1 058	12,5	9,5
PY120G Sickness benefits	219	856	1,7	3,9
PY130G Disability benefits	693	8 211	11,4	11,9
PY140G Education-related allowances	711	1 572	2,1	2,2
EU-SILC 2006				
PY010G Employee cash or near cash income	7,916	211,092	23,5	26,7
PY020G Non-Cash employee income	512	2,522	4,6	4,9
PY035G Contributions to individual private pension plans	1,685	3,440	0,9	2,0
PY050G Cash benefits or losses from self-employment	1,259	18,479	5,4	14,7
PY080G Pension from individual private plans	64	474	3,7	7,4
PY090G Unemployment benefits	619	5, 029	5,9	8,1
PY100G Old-age benefits	3,001	49,855	12,9	16,6
PY110G Survivor' benefits	107	1 031	12,3	9,6
PY120G Sickness benefits	211	855	1,0	4,1
PY130G Disability benefits	712	8,531	11,5	12,0
PY140G Education-related allowances	775	1,844	2,5	2,4
EU-SILC 2007				
PY010G Employee cash or near cash income	8,016	216,320	23,8	27,0
PY020G Non-Cash employee income	558	2,873	4,7	5,2
PY030G Employer's social insurance contribution [1)]	9,141	49,548	4,1	5,4
PY035G Contributions to individual private pension plans	1,623	3,676	1,0	2,3
PY050G Cash benefits or losses from self-employment	1,269	20,467	5,7	16,1
PY080G Pension from individual private plans	60	626	7,3	10,5
PY090G Unemployment benefits	560	4, 469	5,1	8,0
PY100G Old-age benefits	3,052	52,151	13,2	17,1
PY110G Survivor' benefits	108	1, 072	12,8	9,9
PY120G Sickness benefits	218	642	1,0	2,9
PY130G Disability benefits	666	7,893	10,9	11,9
PY140G Education-related allowances	801	2,374	3,0	3,0

1) mandatory from 2007 onward

Table 4.5 Household income components, EU-SILC 2005-2007

	count	sum	median	mean
EU-SILC 2005	*x 1000*	*mln euro*	*x 1000 euro*	
HY030G Imputed rent	3,641	8,831	2,1	2,4
HY040G Income from rental of a property or land	3	17	3,6	5,8
HY050G Family/Children related allowances	1,952	3,261	1,5	1,7
HY060G Social exclusion not elsewhere classified	725	6,199	8,9	8,6
HY070G Housing allowances	1,157	1,814	1,6	1,6
HY080G Regular inter-household cash transfer received	565	2,132	2,6	3,8
HY090G Interest, dividends, profit from capital gain	5,815	5,084	0,3	0,9
HY100G Interest repayments on mortgage	3,169	23,065	6,1	7,3
HY110G Income received by people under 16	88	139	0,4	1,6
HY120G Regular taxes on wealth	-	-	-	-
HY130G Regular inter-household cash transfer paid	791	3,015	2,4	3,8
HY140G Tax on income and social contibutions	7,090	99,579	10.4	14.0
EU-SILC 2006				
HY030G Imputed rent	3,796	8,905	2,1	2,3
HY040G Income from rental of a property or land	-	-	-	-
HY050G Family/Children related allowances	1,914	3,227	1,6	1,7
HY060G Social exclusion not elsewhere classified	754	6,940	9,0	9,2
HY070G Housing allowances	1,152	1,788	1,6	1,6
HY080G Regular inter-household cash transfer received	610	2,057	2,2	3,4
HY090G Interest, dividends, profit from capital gain	5,868	10,066	0,3	1,7
HY100G Interest repayments on mortgage	3,389	25,122	6,1	7,4
HY110G Income received by people under 16	99	59	0,4	0,6
HY120G Regular taxes on wealth	-	-	-	-
HY130G Regular inter-household cash transfer paid	772	2,916	2,5	3,8
HY140G Tax on income and social contibutions	7,145	103,906	10,3	14,5
EU-SILC 2007				
HY030G Imputed rent	3,847	9,546	2,2	2,5
HY040G Income from rental of a property or land	230	1,839	4,5	8,2
HY050G Family/Children related allowances	1,917	3,283	1,6	1,7
HY060G Social exclusion not elsewhere classified	756	5,926	8,4	7,8
HY070G Housing allowances	1,092	1,963	1,9	1,8
HY080G Regular inter-household cash transfer received	596	2,406	2,9	4,0
HY090G Interest, dividends, profit from capital gain	5,834	14,481	0,3	2,5
HY100G Interest repayments on mortgage	3,467	25,991	6,2	7,5
HY110G Income received by people under 16	82	111	0,3	1,4
HY120G Regular taxes on wealth	-	-	-	-
HY130G Regular inter-household cash transfer paid	774	3,094	2,5	4,0
HY140G Tax on income and social contibutions	7,191	102,663	10,0	14,3

References

Eurostat, 2001, Draft Questionnaire for the EU-SILC Pilot Experiment. (EU-SILC 55/01, Meeting of the Working Party Statistics on Income and Living Conditions, 10-11 December 2001. Eurostat, Directorate E: Social and regional statistics and geographical information system, Unit E-2: Living Conditions, Luxemburg.)

Giessen, D., D.J. Beukenhorst, H. van Kerkoerle, en R. Visschers, 2002, Questionnaire Laboratory pre-test of EU-SILC health questions: Preliminary results (Statistics Netherlands, Heerlen/Voorburg)

Snijkers, G., E. Giesen, D., Beukenhorst, DJ. And B. Huynen, 2002, Questionnaire tests of EU-SILC health questions: Laboratory pre-test and field test. CBS-report H4927-02-SOO).