



Statistics Sweden

Statistiska centralbyrån

Final Quality Report for the Swedish EU-SILC

The 2006–2007–2008–2009 longitudinal component

Statistics Sweden 2011-12-22

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1. Common longitudinal European Union indicators

Table 1.1 - At-persistent-risk-of-poverty rate by gender (60% median)

	2009
Total	4.0%
Men	4.3%
Women	3.7%

Table 1.2 - At-persistent-risk-of-poverty rate by gender (50% median)

	2009
Total	1.6%
Men	1.7%
Women	1.5%

2. Accuracy

2.1. Sample design

Assuming that the first wave of the EU-SILC 2006-2009 longitudinal component is the panel that was drawn and surveyed in 2006 the following information is provided.

2.1.1. Type of sample design

The first wave was drawn as a Simple Random Sample from the register of total population (TPR).

2.1.2. Sampling units

Sample units are individuals in TPR aged 17 years and older.

2.1.3. Stratification and sub-stratification criteria

No stratification was applied in the sampling procedure.

2.1.4. Sample size and allocation criteria

The actual sample size was 2327 individuals for the new panel of 2006.

2.1.5. Sample selections schemes

The sample included persons of age 17 and upwards.

2.1.6. Sample distribution over time

The data collection in 2006 was carried out during October 10 to December 21.

2.1.7. Renewal of sample: Rotation groups

Not applicable for the first wave.

2.1.8. Weightings

2.1.8.1. Design factor

Each individual has a design weight which is its inverse proportion of being selected.

2.1.8.2. Non-response adjustment

From the register of total population, the number of individuals are counted within groups of sex and age. The age groups are 17-24, 25-34, 35-44, 45-54, 55-64, 65-74, 75-84 and 84+ . These categories generate 16 poststrata. Stratum 1- 8 contains men and stratum 9-16 women. All members in the sampled individuals household belong to the same poststratum.

The non-response adjustment is carried out by straight expansion within each poststratum.

The weights w_k is constructed in the following way:

$$w_k = \frac{N_h}{n_h} * \frac{n_h}{m_h} = \frac{N_h}{m_h}$$

Where w_k = final weight for individual k in year 2006

N_h = total number of individuals in poststratum h

n_h = number of individuals in the 2006 sample in poststratum h

m_h = number of responding individuals in 2006 in poststratum h

2.1.8.3. Adjustments to external data

See section 2.1.8.2.

2.1.8.4. Final longitudinal weight

See section 2.1.8.2.

2.1.8.5. Non-response adjustments (second and following waves)

The final longitudinal weight is calculated the same way as in section 2.1.8.2 with the exception that m_h are the ones that has responded to the survey all four years (2006-2009). The set of weights sum up to the population.

2.1.8.6. Adjustments to external data (second and following waves)

See section 2.1.8.2.

2.1.8.7. Final Longitudinal weight (second and following waves)

See section 2.1.8.2 and 2.1.8.5.

2.1.8.8. Final household cross-sectional weight (second and following waves)

See intermediate quality report.

2.1.9. Substitutions

Substitution has not been applied.

2.1.9.1. Method of selection of substitutes

- n.a

2.1.9.2. Main characteristics of substituted units compared to original units,

- n.a

2.1.9.3. Distribution of substituted units

- n.a

2.2. Sampling errors

In the next twelve pages the following tables are provided:

Table 1 and table 2 shows the components of the income variables at household level and personal level from Cross 2009.

Table 3 and table 4 shows the components of the income variables at household level and personal level for the first wave.

Table 5 and table 6 shows the components of the income variables at household level and personal level for the second wave.

Table 7 and table 8 shows the components of the income variables at household level and personal level for the third wave.

Table 9 and table 10 shows the components of the income variables at household level and personal level for the fourth wave.

Table 11 shows equivalised disposable income from Cross 2009.

Table 12 shows equivalised disposable income for each wave of the longitudinal component 2006-2009.

Variable	Label	n	Mean	Std err
HY010	Total Household Gross Income	7544	426 595	4 289
HY020	Total Disposable Household Income	7544	306 890	2 728
HY022	Total Disposable Household Income Before Social Transfers Other Than Oldage And Survivor's Benefits	7544	265 622	2 774
HY023	Total Disposable Household Income Before Social Transfers Including Oldage And Survivor's Benefits	7544	196 562	3 104
HY040N	Income From Rental Of A Property Or Land Net	7544	207	34
HY050N	Family/Children Related Allowances Net	7544	9 473	290
HY060N	Social Exclusion Not Elsewhere Classified Net	7544	1 113	113
HY070N	Housing Allowances Net	7544	2 382	99
HY080N	Regular Inter-Household Cash Transfer Received Net	7544	638	45
HY090N	Interest, Dividends, Profit From Capital Investments In Unincorporated Business Net	7544	13 006	1 427
HY100N	Interest Repayments On Mortgage Net	7544	8 405	183
HY110N	Income Received By People Aged Under 16 Net	7544	291	38
HY120N	Regular Taxes On Wealth Net	7544	5 040	141
HY130N	Regular Inter-Household Cash Transfer Paid Net	7544	231	30
HY140N	Tax On Income And Social Contributions Net	7544	114 434	1 620
HY040G	Income From Rental Of A Property Or Land Gross	7544	296	48
HY050G	Family/Children Related Allowances Gross	7544	10 703	346
HY060G	Social Exclusion Not Elsewhere Classified Gross	7544	1 113	113
HY070G	Housing Allowances Gross	7544	2 382	99
HY080G	Regular Inter-Household Cash Transfer Received Gross	7544	638	45
HY090G	Interest, Dividends, Profit From Capital Investments In Unincorporated Business Gross	7544	18 579	2 038
HY100G	Interest Repayments On Mortgage Gross	7544	12 007	261
HY110G	Income Received By People Aged Under 16 Gross	7544	364	46
HY120G	Regular Taxes On Wealth Gross	7544	5 040	141
HY130G	Regular Inter-Household Cash Transfer Paid Gross	7544	231	30
HY140G	Tax On Income And Social Contributions Gross	7544	114 434	1 620

Table 2.2.1: Components of the income variables at household level Cross 2009

Variable	Label	n	Mean	Std err
PY010N	Employee Cash Or Near Cash Income Net	14866	124 105	1 083
PY020N	Non-Cash Employee Income Net	14866	1 619	66
PY035N	Contributions To Individual Private Pension Plans Net	14866	1 827	36
PY050N	Cash Benefits Or Losses From Self-Employment Net	14866	5 160	375
PY070N	Value of Goods Produced by Own-Consumption Net	14866	0	0
PY080N	Pension From Individual Private Plans Net	14866	2 171	107
PY090N	Unemployment Benefits Net	14866	1 875	91
PY100N	Old-Age Benefits Net	14866	29 760	486
PY110N	Survivor' Benefits Net	14866	404	37
PY120N	Sickness Benefits Net	14866	2 828	112
PY130N	Disability Benefits Net	14866	5 527	185
PY140N	Education-Related Allowances Net	14866	2 887	97
PY010G	Employee Cash Or Near Cash Income Gross	14866	170 186	1 673
PY020G	Non-Cash Employee Income Gross	14866	2 437	112
PY035G	Contributions To Individual Private Pension Plans Gross	14866	1 827	36
PY050G	Cash Benefits Or Losses From Self-Employment Gross	14866	7 465	592
PY070G	Value of Goods Produced by Own-Consumption Gross	14866	0	0
PY080G	Pension From Individual Private Plans Gross	14866	3 140	174
PY090G	Unemployment Benefits Gross	14866	2 430	118
PY100G	Old-Age Benefits Gross	14866	41 159	707
PY110G	Survivor' Benefits Gross	14866	543	51
PY120G	Sickness Benefits Gross	14866	3 717	148
PY130G	Disability Benefits Gross	14866	7 307	247
PY140G	Education-Related Allowances Gross	14866	2 892	97

Table 2.2.2: Components of the income variables at personal level Cross 2009

Variable	Label	n	Mean	Std err
HY010	Total Household Gross Income	1627	458 337	8 425
HY020	Total Disposable Household Income	1627	315 825	4 749
HY022	Total Disposable Household Income Before Social Transfers Other Than Oldage And Survivor's Benefits	1627	271 625	4 818
HY023	Total Disposable Household Income Before Social Transfers Including Oldage And Survivor's Benefits	1627	217 755	5 457
HY040N	Income From Rental Of A Property Or Land Net	1627	182	48
HY050N	Family/Children Related Allowances Net	1627	11 566	656
HY060N	Social Exclusion Not Elsewhere Classified Net	1627	932	247
HY070N	Housing Allowances Net	1627	2 115	197
HY080N	Regular Inter-Household Cash Transfer Received Net	1627	787	120
HY090N	Interest, Dividends, Profit From Capital Investments In Unincorporated Business Net	1627	9 737	1 867
HY100N	Interest Repayments On Mortgage Net	1627	4 427	201
HY110N	Income Received By People Aged Under 16 Net	1627	464	138
HY120N	Regular Taxes On Wealth Net	1627	8 854	986
HY130N	Regular Inter-Household Cash Transfer Paid Net	1627	264	60
HY140N	Tax On Income And Social Contributions Net	1627	134 730	3 515
HY040G	Income From Rental Of A Property Or Land Gross	1627	260	68
HY050G	Family/Children Related Allowances Gross	1627	13 208	798
HY060G	Social Exclusion Not Elsewhere Classified Gross	1627	932	247
HY070G	Housing Allowances Gross	1627	2 115	197
HY080G	Regular Inter-Household Cash Transfer Received Gross	1627	787	120
HY090G	Interest, Dividends, Profit From Capital Investments In Unincorporated Business Gross	1627	13 907	2 668
HY100G	Interest Repayments On Mortgage Gross	1627	6 325	287
HY110G	Income Received By People Aged Under 16 Gross	1627	575	172
HY120G	Regular Taxes On Wealth Gross	1627	8 854	986
HY130G	Regular Inter-Household Cash Transfer Paid Gross	1627	264	60
HY140G	Tax On Income And Social Contributions Gross	1627	134 730	3 515

Table 2.2.3: Components of the income variables at household level, first wave 2006

Variable	Label	n	Mean	Std err
PY010N	Employee Cash Or Near Cash Income Net	3311	104 923	2 029
PY020N	Non-Cash Employee Income Net	0	.	.
PY035N	Contributions To Individual Private Pension Plans Net	3311	2 166	98
PY050N	Cash Benefits Or Losses From Self-Employment Net	3311	4 654	586
PY070N	Value of Goods Produced by Own-Consumption Net	3311	0	0
PY080N	Pension From Individual Private Plans Net	3311	1 893	183
PY090N	Unemployment Benefits Net	3311	3 155	249
PY100N	Old-Age Benefits Net	3311	27 396	934
PY110N	Survivor' Benefits Net	3311	321	70
PY120N	Sickness Benefits Net	3311	3 508	272
PY130N	Disability Benefits Net	3311	5 292	378
PY140N	Education-Related Allowances Net	3311	2 559	181
PY010G	Employee Cash Or Near Cash Income Gross	3311	153 176	3 382
PY020G	Non-Cash Employee Income Gross	0	.	.
PY035G	Contributions To Individual Private Pension Plans Gross	3311	2 166	98
PY050G	Cash Benefits Or Losses From Self-Employment Gross	3311	6 720	787
PY070G	Value of Goods Produced by Own-Consumption Gross	3311	0	0
PY080G	Pension From Individual Private Plans Gross	3311	2 773	283
PY090G	Unemployment Benefits Gross	3311	4 237	335
PY100G	Old-Age Benefits Gross	3311	37 969	1 344
PY110G	Survivor' Benefits Gross	3311	444	99
PY120G	Sickness Benefits Gross	3311	4 841	375
PY130G	Disability Benefits Gross	3311	7 079	511
PY140G	Education-Related Allowances Gross	3311	2 562	181

Table 2.2.4: Components of the income variables at personal level, first wave 2006

Variable	Label	n	Mean	Std err
HY010	Total Household Gross Income	1404	486 854	9 426
HY020	Total Disposable Household Income	1404	348 407	6 008
HY022	Total Disposable Household Income Before Social Transfers Other Than Oldage And Survivor's Benefits	1404	308 007	6 078
HY023	Total Disposable Household Income Before Social Transfers Including Oldage And Survivor's Benefits	1404	250 995	6 773
HY040N	Income From Rental Of A Property Or Land Net	1404	198	46
HY050N	Family/Children Related Allowances Net	1404	11 557	705
HY060N	Social Exclusion Not Elsewhere Classified Net	1404	1 004	314
HY070N	Housing Allowances Net	1404	1 943	202
HY080N	Regular Inter-Household Cash Transfer Received Net	1404	684	117
HY090N	Interest, Dividends, Profit From Capital Investments In Unincorporated Business Net	1404	15 591	3 281
HY100N	Interest Repayments On Mortgage Net	1404	5 790	261
HY110N	Income Received By People Aged Under 16 Net	1404	736	152
HY120N	Regular Taxes On Wealth Net	1404	7 049	297
HY130N	Regular Inter-Household Cash Transfer Paid Net	1404	233	57
HY140N	Tax On Income And Social Contributions Net	1404	133 239	3 486
HY040G	Income From Rental Of A Property Or Land Gross	1404	282	66
HY050G	Family/Children Related Allowances Gross	1404	13 082	843
HY060G	Social Exclusion Not Elsewhere Classified Gross	1404	1 004	314
HY070G	Housing Allowances Gross	1404	1 943	202
HY080G	Regular Inter-Household Cash Transfer Received Gross	1404	684	117
HY090G	Interest, Dividends, Profit From Capital Investments In Unincorporated Business Gross	1404	22 272	4 687
HY100G	Interest Repayments On Mortgage Gross	1404	8 272	373
HY110G	Income Received By People Aged Under 16 Gross	1404	913	199
HY120G	Regular Taxes On Wealth Gross	1404	7 049	297
HY130G	Regular Inter-Household Cash Transfer Paid Gross	1404	233	57
HY140G	Tax On Income And Social Contributions Gross	1404	133 239	3 486

Table 2.2.5: Components of the income variables at household level, second wave 2007

Variable	Label	n	Mean	Std err
PY010N	Employee Cash Or Near Cash Income Net	2782	118 947	2 290
PY020N	Non-Cash Employee Income Net	2782	1 500	126
PY035N	Contributions To Individual Private Pension Plans Net	2782	2 294	103
PY050N	Cash Benefits Or Losses From Self-Employment Net	2782	5 516	671
PY070N	Value of Goods Produced by Own-Consumption Net	2782	0	0
PY080N	Pension From Individual Private Plans Net	2782	1 944	194
PY090N	Unemployment Benefits Net	2782	2 110	214
PY100N	Old-Age Benefits Net	2782	29 733	1 077
PY110N	Survivor' Benefits Net	2782	326	78
PY120N	Sickness Benefits Net	2782	3 112	285
PY130N	Disability Benefits Net	2782	5 451	423
PY140N	Education-Related Allowances Net	2782	2 702	224
PY010G	Employee Cash Or Near Cash Income Gross	2782	165 645	3 518
PY020G	Non-Cash Employee Income Gross	2782	2 262	203
PY035G	Contributions To Individual Private Pension Plans Gross	2782	2 294	103
PY050G	Cash Benefits Or Losses From Self-Employment Gross	2782	7 615	939
PY070G	Value of Goods Produced by Own-Consumption Gross	2782	0	0
PY080G	Pension From Individual Private Plans Gross	2782	2 804	290
PY090G	Unemployment Benefits Gross	2782	2 771	284
PY100G	Old-Age Benefits Gross	2782	40 942	1 526
PY110G	Survivor' Benefits Gross	2782	437	107
PY120G	Sickness Benefits Gross	2782	4 154	385
PY130G	Disability Benefits Gross	2782	7 198	566
PY140G	Education-Related Allowances Gross	2782	2 727	229

Table 2.2.6: Components of the income variables at personal level, second wave 2007

Variable	Label	n	Mean	Std err
HY010	Total Household Gross Income	1297	521 021	11 051
HY020	Total Disposable Household Income	1297	373 859	7 064
HY022	Total Disposable Household Income Before Social Transfers Other Than Oldage And Survivor's Benefits	1297	326 749	7 153
HY023	Total Disposable Household Income Before Social Transfers Including Oldage And Survivor's Benefits	1297	242 441	8 316
HY040N	Income From Rental Of A Property Or Land Net	1297	198	51
HY050N	Family/Children Related Allowances Net	1297	12 454	780
HY060N	Social Exclusion Not Elsewhere Classified Net	1297	715	214
HY070N	Housing Allowances Net	1297	1 668	194
HY080N	Regular Inter-Household Cash Transfer Received Net	1297	659	120
HY090N	Interest, Dividends, Profit From Capital Investments In Unincorporated Business Net	1297	18 299	3 545
HY100N	Interest Repayments On Mortgage Net	1297	13 003	554
HY110N	Income Received By People Aged Under 16 Net	1297	887	188
HY120N	Regular Taxes On Wealth Net	1297	6 583	283
HY130N	Regular Inter-Household Cash Transfer Paid Net	1297	296	69
HY140N	Tax On Income And Social Contributions Net	1297	140 283	4 130
HY040G	Income From Rental Of A Property Or Land Gross	1297	283	73
HY050G	Family/Children Related Allowances Gross	1297	14 087	930
HY060G	Social Exclusion Not Elsewhere Classified Gross	1297	715	214
HY070G	Housing Allowances Gross	1297	1 668	194
HY080G	Regular Inter-Household Cash Transfer Received Gross	1297	659	120
HY090G	Interest, Dividends, Profit From Capital Investments In Unincorporated Business Gross	1297	26 139	5 064
HY100G	Interest Repayments On Mortgage Gross	1297	18 575	792
HY110G	Income Received By People Aged Under 16 Gross	1297	1 064	246
HY120G	Regular Taxes On Wealth Gross	1297	6 583	283
HY130G	Regular Inter-Household Cash Transfer Paid Gross	1297	296	69
HY140G	Tax On Income And Social Contributions Gross	1297	140 283	4 130

Table 2.2.7: Components of the income variables at household level, third wave 2008

Variable	Label	n	Mean	Std err
PY010N	Employee Cash Or Near Cash Income Net	2606	128 447	2 549
PY020N	Non-Cash Employee Income Net	2606	1 550	129
PY035N	Contributions To Individual Private Pension Plans Net	2606	1 979	87
PY050N	Cash Benefits Or Losses From Self-Employment Net	2606	4 704	733
PY070N	Value of Goods Produced by Own-Consumption Net	2606	0	0
PY080N	Pension From Individual Private Plans Net	2606	2 038	207
PY090N	Unemployment Benefits Net	2606	1 897	219
PY100N	Old-Age Benefits Net	2606	31 032	1 197
PY110N	Survivor' Benefits Net	2606	268	74
PY120N	Sickness Benefits Net	2606	2 667	248
PY130N	Disability Benefits Net	2606	5 508	440
PY140N	Education-Related Allowances Net	2606	2 238	209
PY010G	Employee Cash Or Near Cash Income Gross	2606	176 703	3 936
PY020G	Non-Cash Employee Income Gross	2606	2 275	198
PY035G	Contributions To Individual Private Pension Plans Gross	2606	1 979	87
PY050G	Cash Benefits Or Losses From Self-Employment Gross	2606	6 713	1 011
PY070G	Value of Goods Produced by Own-Consumption Gross	2606	0	0
PY080G	Pension From Individual Private Plans Gross	2606	2 909	306
PY090G	Unemployment Benefits Gross	2606	2 450	285
PY100G	Old-Age Benefits Gross	2606	42 954	1 744
PY110G	Survivor' Benefits Gross	2606	358	101
PY120G	Sickness Benefits Gross	2606	3 498	329
PY130G	Disability Benefits Gross	2606	7 246	585
PY140G	Education-Related Allowances Gross	2606	2 259	214

Table 2.2.8: Components of the income variables at personal level, third wave 2008

Variable	Label	n	Mean	Std err
HY010	Total Household Gross Income	1211	520 156	10 927
HY020	Total Disposable Household Income	1211	380 465	7 414
HY022	Total Disposable Household Income Before Social Transfers Other Than Oldage And Survivor's Benefits	1211	333 324	7 546
HY023	Total Disposable Household Income Before Social Transfers Including Oldage And Survivor's Benefits	1211	245 915	8 677
HY040N	Income From Rental Of A Property Or Land Net	1211	137	42
HY050N	Family/Children Related Allowances Net	1211	12 634	850
HY060N	Social Exclusion Not Elsewhere Classified Net	1211	358	133
HY070N	Housing Allowances Net	1211	1 272	173
HY080N	Regular Inter-Household Cash Transfer Received Net	1211	470	94
HY090N	Interest, Dividends, Profit From Capital Investments In Unincorporated Business Net	1211	15 798	3 799
HY100N	Interest Repayments On Mortgage Net	1211	9 649	416
HY110N	Income Received By People Aged Under 16 Net	1211	758	148
HY120N	Regular Taxes On Wealth Net	1211	7 179	321
HY130N	Regular Inter-Household Cash Transfer Paid Net	1211	294	75
HY140N	Tax On Income And Social Contributions Net	1211	132 218	3 765
HY040G	Income From Rental Of A Property Or Land Gross	1211	196	61
HY050G	Family/Children Related Allowances Gross	1211	14 436	1 028
HY060G	Social Exclusion Not Elsewhere Classified Gross	1211	358	133
HY070G	Housing Allowances Gross	1211	1 272	173
HY080G	Regular Inter-Household Cash Transfer Received Gross	1211	470	94
HY090G	Interest, Dividends, Profit From Capital Investments In Unincorporated Business Gross	1211	22 567	5 427
HY100G	Interest Repayments On Mortgage Gross	1211	13 784	595
HY110G	Income Received By People Aged Under 16 Gross	1211	900	182
HY120G	Regular Taxes On Wealth Gross	1211	7 179	321
HY130G	Regular Inter-Household Cash Transfer Paid Gross	1211	294	75
HY140G	Tax On Income And Social Contributions Gross	1211	132 218	3 765

Table 2.2.9: Components of the income variables at household level, fourth wave 2009

Variable	Label	n	Mean	Std err
PY010N	Employee Cash Or Near Cash Income Net	2338	135 119	2 840
PY020N	Non-Cash Employee Income Net	2338	1 657	149
PY035N	Contributions To Individual Private Pension Plans Net	2338	2 158	109
PY050N	Cash Benefits Or Losses From Self-Employment Net	2338	6 104	1 015
PY070N	Value of Goods Produced by Own-Consumption Net	2338	0	0
PY080N	Pension From Individual Private Plans Net	2338	2 256	241
PY090N	Unemployment Benefits Net	2338	2 840	302
PY100N	Old-Age Benefits Net	2338	33 035	1 365
PY110N	Survivor' Benefits Net	2338	271	82
PY120N	Sickness Benefits Net	2338	2 196	244
PY130N	Disability Benefits Net	2338	5 566	481
PY140N	Education-Related Allowances Net	2338	2 620	258
PY010G	Employee Cash Or Near Cash Income Gross	2338	181 733	4 267
PY020G	Non-Cash Employee Income Gross	2338	2 303	206
PY035G	Contributions To Individual Private Pension Plans Gross	2338	2 158	109
PY050G	Cash Benefits Or Losses From Self-Employment Gross	2338	8 034	1 199
PY070G	Value of Goods Produced by Own-Consumption Gross	2338	0	0
PY080G	Pension From Individual Private Plans Gross	2338	3 132	340
PY090G	Unemployment Benefits Gross	2338	3 653	389
PY100G	Old-Age Benefits Gross	2338	44 857	1 943
PY110G	Survivor' Benefits Gross	2338	345	105
PY120G	Sickness Benefits Gross	2338	2 837	316
PY130G	Disability Benefits Gross	2338	7 292	636
PY140G	Education-Related Allowances Gross	2338	2 637	263

Table 2.2.10: Components of the income variables at personal level, fourth wave 2009

	n	Mean	Std err
By household size	2030	340 355	4133
1 household member			
2 household members	4189	402 599	4100
3 household members	917	335 395	4215
4 or more household members	408	275 434	4692
By age groups	988	252 590	4084
< 25			
25 - 34	1004	389 821	9824
35 - 44	1283	440 615	5157
45 - 54	1218	427 180	7176
55 - 64	1232	424 802	5828
65 +	1819	301 315	4168
By sex	3652	381 687	4355
Male			
Female	3892	353 310	2877
Total	7544	367 102	2585

Table 2.2.11: Equivalised Disposable Income Cross 2009

	First wave 2006			Second wave 2007		
	n	Mean	Std err	n	Mean	Std err
By household size						
1 household member	374	306 810	8013	336	334 865	9767
2 household members	949	350 130	5986	835	394 505	7913
3 household members	198	284 605	8043	169	322 360	8976
4 or more household members	106	247 141	7206	64	272 565	9030
By age groups						
< 25	196	254 702	6388	135	283 369	8270
25 - 34	291	342 786	7062	219	385 900	8852
35 - 44	280	376 889	8480	273	423 997	9237
45 - 54	280	354 816	11670	242	414 444	22323
55 - 64	260	381 496	15872	240	422 797	14383
65 +	320	261 828	5989	295	281 910	7636
By sex						
Male	809	336 926	6597	688	383 915	9041
Female	818	315 159	5155	716	348 153	6261
Total	1627	325 733	4177	1404	365 287	5460

	Third wave 2008			Fourth wave 2008		
	n	Mean	Std err	n	Mean	Std err
By household size						
1 household member	286	358 842	11394	338	361 966	10886
2 household members	801	412 643	9425	689	442 967	9814
3 household members	144	332 968	8384	130	346 675	10266
4 or more household members	66	305 225	11201	54	317 948	15832
By age groups						
< 25	105	314 245	9887	69	313 685	21243
25 - 34	184	414 533	12363	166	432 386	12658
35 - 44	264	451 947	9887	240	471 394	11393
45 - 54	219	451 125	29455	220	475 716	24025
55 - 64	225	419 835	14153	207	418 634	14450
65 +	300	291 222	7118	309	309 495	10337
By sex						
Male	637	405 894	11258	597	415 033	10639
Female	660	367 450	6688	614	392 910	7955
Total	1297	386 054	6490	1211	403 732	6614

Table 2.2.12: Equivalised Disposable Income for each wave

2.3. Non-sampling errors

2.3.1. Sampling frame and coverage errors

As part of the partial computerization of Sweden's continuous population registration in 1966, Statistics Sweden was granted permission to set up and maintain a register of the entire national population, referred to as the Total Population Register (TPR). TPR is updated more or less every day. The main outlines for organization of population statistics is according to Swedish law, the main rule is that all persons residing in the country shall be registered at the property unit in the parish where they reside.

A major means of identifying any person is the personal identity number that is assigned to every individual registered in TPR. The number follows a person from birth to death and is entered in most personal registers in Sweden, making it possible to identify individuals in different administrative materials and collate data. The personal identity number consists of twelve digits. The first eight digits show the year, month and day of birth. The next three digits are the birth number which is odd for men and even for women. The last digit is a checking digit.

The vital statistics are based on notifications of births, deaths, changes in marital status, and changes in citizenship, internal migration, immigration and emigration. The TPR receives these daily from the Tax Authorities. The notifications relate to the registered population. Thus, vital statistics are based on the National Registration and consequently conform to its concepts and definitions.

Received information is checked mechanically with respect to the validity of the codes and the logical contents of the information and quality tests comprises, among other things, regional codes, connections between age and marital status, etc.

Over-coverage consists of people who have died and people who have left the country but are still registered in Sweden. The sample is drawn several months before the fieldwork start. However a check is made close to the start (the sample is matched to TPR) and people who have died since the sample was drawn are excluded. People who die after that point are registered by the interviewers.

Over-coverage in terms of people who have left Sweden permanently but are still registered in TPR is more difficult to discover. Recent attempts to estimate the size of this over-coverage have given the figure 35 000. Applied on EU-SILC this means 30 individuals of which many are discovered by the interviewers. The error is negligible.

If we regard TPR as our population under-coverage by definition does not exist. There are of course people who reside in Sweden illegally or while waiting for residence permit.

2.3.2. Measurement and processing errors

2.3.2.1. Measurement errors

The questions in the EU-SILC protocol are in most cases not very difficult to answer. It is fairly certain that some questions are interpreted differently by different persons. Particular caution should be observed of responses to questions relating to attitudes and frequency in the interpretation.

Most of the EU-SILC questions refer to the present, for which memory errors can not constitute a major source of error. But there are questions about frequency during a longer reference period that are more complicated.

Following a basic introductory course in survey methods, new interviewers participate in an additional one-day course that includes approximately six hours of intensive training (survey of living conditions including EU-SILC). The various sections of the interview protocol are thoroughly reviewed and practice in handling certain complicated questions is provided.

The interviewer may misunderstand certain instructions or responses, which contributes to the survey's systematic error level. Each interviewer conducts on average roughly 40 interviews per year. Systematic mistakes by an occasional interviewer may not distort the survey data to any great extent, but it is not possible to specify how much error of that sort occurs.

The interviewer's personality and behaviour may influence the responses, particularly with respect to "subjective" questions, such as those relating to attitudes. The respondent may disremember, provide consciously or unconsciously distorted responses or may simply be unable to answer questions.

Indirect interviews can be a source of errors. Applied on appropriate questions experience says that indirect interviews can be an efficient method to collect information.

2.3.2.2. Processing errors

Data are checked interactively (values, syntax, logics) as an integrated part of the data entry process followed by the Eurostat control program (after transformation to EU-SILC file format).

All components necessary to derive Gross total income, disposable income etc. are collected from administrative registers. No imputations have been applied for these indicators.

2.3.3. Non-response errors

2.3.3.1. Achieved sample size

For each wave of the EU-SILC longitudinal component the number of households for which an interview is accepted (DB135=1).

Wave	
1 (2006)	1 627
2 (2007)	1 404
3 (2008)	1 297
4 (2009)	1 211
Respons all four waves	1 203

For each wave of the EU-SILC longitudinal component the number of sample persons (RB100=1) and number of co-residents (RB100=2), for which the interview is accepted (DB135=1).

Wave	Sample person	Co-resident	Total
1 (2006)	1 627	2 565	4 192
2 (2007)	1 404	2 394	3 798
3 (2008)	1 297	2 139	3 436
4 (2009)	1 211	1 892	3 103

2.3.3.2. Unit non-response

For the first wave of the EU-SILC longitudinal component:

Household non-response rate:

$$Ra = \text{Address contact rate} = 2051/(2327-47)=90\%$$

$$Rh = \text{Proportion of complete household interviews accepted for the database} = 1627/2051=79.3\%$$

$$NRh = \text{Household non-response rate} = (1-(Ra*Rh))*100 = 28.6\%$$

Individual non-response rates for the selected respondent:

$$1-(1627/2327) = 30 \%$$

“In order to calculate the household response rates required for the longitudinal component, the following tables will be build for each panel and wave of EU-SILC longitudinal component.”

We are sorry Eurostat, but we are unable to provide these tables for you simply because we don't understand your instructions. We have asked for programs to build these tables but haven't received any. Then we were told that there were programs availble in Circa but they were nowhere to be found.

2.3.3.3. *Distribution of households (original units)*

DB110 – Household status

		DB110							Total
		1	2	3	4	5	7	9	
First wave	Count	.	.	.	.	.	.	1671	1671
	Percent	.	.	.	.	.	.	100.0	100.0
Second wave	Count	1238	276	1	10	9	93	.	1627
	Percent	76.1	17.0	0.1	0.6	0.6	5.7	.	100.0
Third wave	Count	1211	155	1	7	10	35	.	1419
	Percent	85.3	10.9	0.1	0.5	0.7	2.5	.	100.0
Fourth wave	Count	1131	126	.	14	9	33	.	1313
	Percent	86.1	9.6	.	1.1	0.7	2.5	.	100.0

DB120 – Record of contact at address

		DB120		Total
		11	23	
Second wave	Count	275	1	276
	Percent	99.6	0.4	100.0
Third wave	Count	155	.	155
	Percent	100.0	.	100.0
Fourth wave	Count	126	.	126
	Percent	100.0	.	100.0

DB130 – Household questionnaire result

		DB130			Total
		11	21	23	
First wave	Count	1627	4	4	1635
	Percent	99.5	0.2	0.2	100.0
Second wave	Count	1404	94	15	1513
	Percent	92.8	6.2	1.0	100.0
Third wave	Count	1297	53	16	1366
	Percent	94.9	3.9	1.2	100.0
Fourth wave	Count	1211	37	9	1257
	Percent	96.3	2.9	0.7	100.0

DB135 – Household interview acceptance

		DB135	Total
		1	
First wave	Count	1627	1627
	Percent	100.0	100.0
Second wave	Count	1404	1404
	Percent	100.0	100.0
Third wave	Count	1297	1297
	Percent	100.0	100.0
Fourth wave	Count	1211	1211
	Percent	100.0	100.0

2.3.3.4. Distribution of persons for membership status (RB110)

For the second and following waves of the EU-SILC longitudinal component:

Distributions of person by memberships status RB110 – Second wave

	Total	RB110 =1	RB110 =2	RB110 =3	RB110 =4	RB120 =2 to 4	RB110 =6
Total	3 811	3 498	8	37	39	145	17
Percent	100	91.8	0.2	1.0	1.0	3.8	0.4

Distributions of person by memberships status RB110 – Third wave

	Total	RB110 =1	RB110 =2	RB110 =3	RB110 =4	RB120 =2 to 4	RB110 =6
Total	3 455	3 271	1	28	41	3	27
Percent	100	94.7	0	0.8	1.2	0.1	0.8

Distributions of person by memberships status RB110 – Fourth wave

	Total	RB110 =1	RB110 =2	RB110 =3	RB110 =4	RB120 =2 to 4	RB110 =6
Total	3 127	2 924	1	1	0	57	19
Percent	100	93.5	0	0	0	1.8	0.6

2.3.3.5. Item non-response

All members in the responding persons household are known. Their personal income variables are collected from national registers. Household income variables are calculated from the personal income variables.

For non-respondents we do not know the household composition. Therefore it is not meaningful to collect any information from administrative registers.

2.4. Mode of data collection

Distribution of household members by RB250

All observations have RB250=13 which means that information is completed from both interview and registers.

	First wave	Second wave	Third wave	Fourth wave
Household members 16+ (RB245=1 to 3)	3 311	2 782	2 606	2 338
Sample persons 16+ (RB245 =1 to 3 and RB100=1)	1 627	1 404	1 297	1 211
Co-residents 16+ (RB245 =1 to 3 and RB100=2)	1 684	1 378	1 309	1 127

Distribution of household members by RB260 (Type of interview)

First wave	Total	RB260=1 PAPI	RB260=3 CATI	RB260=5 Proxy interview
Household members 16+	3 311	3	3 188	120
Total %	100	0.1	96.3	3.6
Sample persons 16+	1 627	1	1 578	48
Co-residents 16+	1 684	3	1 610	72

Second wave	Total	RB260=1 PAPI	RB260=3 CATI	RB260=5 Proxy interview
Household members 16+	2 782	0	2 719	63
Total %	100	0	97.7	2.3
Sample persons 16+	1 404	0	1 377	27
Co-residents 16+	1 378	0	1 342	36

Third wave	Total	RB260=1 PAPI	RB260=3 CATI	RB260=5 Proxy interview
Household members 16+	2 606	0	2557	49
Total %	100	0	98.1	1.9
Sample persons 16+	1 297	0	1 276	21
Co-residents 16+	1 309	0	1 281	28

Fourth wave	Total	RB260=1 PAPI	RB260=3 CATI	RB260=5 Proxy interview
Household members 16+	2 388	2	2 295	41
Total %	100	0.1	96.1	1.7
Sample persons 16+	1211	2	1 189	20
Co-residents 16+	1 127	0	1 106	21

2.5. Imputation procedure

Not applicable.

2.6. Imputed rent

Imputed rent (HY030) was calculating by using variables HH010, HH020, HH030 and a variable based on regional classifications described, the dwelling costs was imputed from our national household budget survey and our national housing survey.

2.7. Company car

The variable is collected from national registers at the Swedish Tax Agency.

3. Comparability

3.1. Basic concepts and definitions

The reference population:

Reference population is the whole Swedish population except short term migration, people who stay in Sweden 3-12 months, is not covered.

Private household definition:

The regulation definition of Eurostat SILC is applied.

The household membership:

The regulation definition is applied

The income reference period used:

Year N

The period for taxes on income and social insurance contributions:

Year N

The reference period for taxes on wealth:

Year N

The lag between the income reference period and current variables:

One year.

The total duration of the data collection of the sample:

The data collection was 3 months, October to December

Basic information on activity status during the income reference period:

The twelve calendar months preceding the month of the interview

3.2. Components of income

3.2.1. Differences between national and EU-SILC definitions

Only minor deviations with little impact on the results:

- Non-cash employee income includes more than company car (housing cost/ interest on loans below market price etc).
- Regular inter-household cash transfers paid/received do only consider transactions between parents not living together. Other types of alimonies or cash transfers are not included.
- Imputed rent (HY030) was calculating by using variables HH010, HH020, HH030 and a variable based on regional classifications described, the dwelling costs was imputed from our national household budget survey and our national housing survey.

3.2.2. The source used for collection of income variables

The income variables as well as wealth and taxes are collected by administrative databases and registers at The Swedish Tax Agency and Statistics Sweden .

3.2.3. Form of income variables at component level

Gross but exclusive of employers' social contributions

3.2.4. The method used for obtaining income target variables

The components were gross and available from administrative registers with the exception of employers' social contribution.

3.3. Tracing rules

The sampling unit is an individual. Information on household composition and household members are collected from the selected respondent in the interview. During the consecutive three waves the sampled individuals household is examined. If the original household from the first wave has been split, we only follow the sampled individual. The household situation for not sampled household members is not examined if they no longer belong to the household of the sampled individuals.

4. Coherence

4.1. Comparison of income target variables

The EU-SILC income information is collected from the different administrative sources covering the whole population. The sources of income components are registers at The Swedish Tax Agency and Statistics Sweden.