Metadata File Name	- Full view - SILC_ESQRS_A_EL_2013_0000
Time Dime nsion	2013-A0
DataProvider	EL1
DataFlow	SILC_ESQRS_A

1 Contact

- 2 Introduction
- 3 Quality management assessment 4 Relevance

- 5 Accuracy and reliability6 Timeliness and punctuality7 Accessibility and clarity
- 8 Comparability
- 9 Coherence 10 Cost and Burden 11 Confidentiality 12 Statistical processing
- 13 Comment

Related Metadata

Annexes

1 Contact	<u>Contact</u> <u>Hellenic Statistical Authority (ELSTAT)</u>
1.1 Contact organisation	Contact organisation
1.2 Contact organisation unit	<u>Contact organisation unit</u> <u>Population and Labour Market statistics</u>
1.3 Contact name	Contact name Ntouros Giorgos
1.4 Contact person function	Contact person function EU-SILC project manager
1.5 Contact mail address	<u>Contact mail address</u> <u>18510, Pireos 46 and Eponiton str. PIRAEUS, GREECE</u>
1.6 Contact email address	<u>Contact email address</u> <u>g.ntouros@statistics.gr</u>
1.7 Contact phone number	Contact phone number ++302131352174
1.8 Contact fax number	<u>Contact fax number</u> ++302131352906

2 Introduction	Data description
2 Introduction	Data description The production of quality reports is part of the implementation of the EU-SILC instrument. In order to assess the quality of data at national level and to make a comparison among countries, the National Statistics Institutes give detailed information mainly on: the entire statistical process, sampling and non-sampling errors, and potential deviations from standard definition and concepts. This document follows the ESS standard for quality reports structure (ESQRS), which is the main report structure for reference metadata related to data quality in the European Statistical System. It is a metadata template, based on 13 main concepts, which can be used across several statistical domains with the purpose of a better harmonization of the quality reporting requirements in the ESS. For that reason the template of this document differs from that one stated in the Commission Reg. 28/2004. ELSTAT completed the sections of ESQRS that were also covered by the Commission Reg. 28/2004. Therefore sections such as 3, 4, 6 and 7 remained empty.

	Not requested by Reg.28/2004
3 Quality management - assessment	Quality assessment

4.1 Relevance - User Needs	<u>User needs</u>
	Not requested by Reg.28/2004
4.2 Relevance - User Satisfaction	User satisfaction
	Not requested by Reg.28/2004
4.3 Completeness	Completeness
	Not requested by Reg.28/2004
4.3.1 Data completeness - rate	

5 Accuracy and reliability	. The concept of accuracy refers to the precision of estimates computed from a sample rather than from the entire population. Accuracy depends on sample size, sa population under study. In addition to that, sampling errors and non sampling errors need to be taken into account. Sampling error refers to the variability that occur sample rather than a census and non-sampling errors are errors that occur in all phases of the data collection and production process.																
5.1 Accuracy - overall	In terms of	Overall accuracy In terms of precision requirements, the EU-SILC framework regulation as well the Commission Regulation on sampling and tracing rules refers respectively, to the to representativeness of the sample. The effective sample size combines sample size and sampling design effect which depends on sampling design, population stru															
5.2 Sampling error	 EU-SILC is a complex survey involving different sampling design in different countries. In order to harmonize and make sampling errors comparable among cour methodological support of Net-SILC2) has chosen to apply the "linearization" technique coupled with the "ultimate cluster" approach for variance estimation. Line linear approximation to reduce non-linear statistics to a linear form, justified by asymptotic properties of the estimator. This technique can encompass a wide varia indicators. The "ultimate cluster" approach is a simplification consisting in calculating the variance taking into account only variation among Primary Sampling Unit stage sampling fractions to be small which the case is nearly always. This method allows a great flexibility and simplifies the calculations of variances. It can also differences of one year to another . The main hypothesis on which the calculations are based is that the "at risk of poverty" threshold is fixed. According to the characteristics and availability of data different variables to specify strata and cluster information. In particular, countries have been split into four groups: 1)BE, BG, CZ, IE, EL, ES, FR, IT, LV, HU, NL, PL, PT, RO, SI, UK and HR whose sampling design could be assimilated to a two stage stratified type we used specification and DB060 (Primary Sampling Unit) for cluster specification; 2) DE, EE, CY, LT, LU, AT, SK, FI, CH whose sampling design could be assimilated to a one stage stratified type we used DB050 for strata specification and Especification; 3) DK, MT, SE, IS, NO, whose sampling design could be assimilated to a simple random sampling, we used DB030 for cluster specification and no strata; 							Line varie g Uni also data used									
5.2.1 Sampling error -	·				AROP	E			At risk of poverty (60%)			Severe Material Deprivation					
indicators		Ind.	Var(str)	CV	Stand. errors	Half	Ind.	Var(str)	CV	Stand. errors	Half	Ind.	Var(str)	CV	Stand. errors	Half	In
	Total	35,7	0,7611	0,0244	0,87	1,71	23,1	0,5279	0,0314	0,73	1,42	20,3	0,6555	0,0398	0,81	1,59	19
	Male	34,6	0,8867	0,0272	0,94	1,85	22,4	0,6512	0,0359	0,81	1,58	20,3	0,7829	0,0435	0,88	1,73	18
	Female	36,8	0,8586	0,0252	0,93	1,82	23,8	0,5724	0,0318	0,76	1,48	20,3	0,6962	0,0410	0,83	1,64	20
	Age0- 17	38,1	2,7668	0,0437	1,66	3,26	28,8	2,3430	0,0531	1,53	3,00	23,3	2,2217	0,0640	1,49	2,92	N
	Age18- 64	39,1	0,9834	0,0254	0,99	1,94	24,1	0,6513	0,0335	0,81	1,58	21,6	0,8198	0,0419	0,91	1,77	N
	Age 65+	23,1	0,9420	0,0421	0,97	1,90	15,1	0,6911	0,0551	0,83	1,63	13,7	0,7558	0,0634	0,87	1,70	N.
	1	-			·	-		usion by age	and gende	er (ilc_pep	s01)						
	2	_	1a] At-risk														
	3	[SI-P gende		lacking at	least 4 ite	ms in the	e econo	mic strain ar	id durables	s dimensio	n by age	and					
	4	[LVI	HL11] Peop	le living in	household	s with ve	ery low	work intensi	ty by age	and gende	r						
	NA: break	downs r	not available	due to det	finition of i	indicator											
5.3 Non- sampling error	Non-samp			lly of 4 tr													
	Coverag	e errors ement er		to diverge	nces existi			target popul ion. There a					ors such as	the survey	instrumer	nt, the in	forma

9/12/2014 ESS Metadata Handler · Processing errors: errors in post-data-collection processes such as data entry, keying, editing and weighting • Non-response errors: errors due to an unsuccessful attempt to obtain the desired information from an eligible unit. Two main types of non-response errors are co - Unit non-response: refers to absence of information of the whole units (households and/or persons) selected into the sample - Item non-response: refers to the situation where a sample unit has been successfully enumerated, but not all required information has been obtained 5.3.1 Coverage Coverage errors include over-coverage, under-coverage and misclassification: error · Over-coverage: relates either to wrongly classified units that are in fact out of scope, or to units that do not exist in practice · Under-coverage: refers to units not included in the sampling frame · Misclassification: refers to incorrect classification of units that belong to the target population Sampling frame and coverage errors EU-SILC survey is based on a two-stage stratified sampling of households from a frame of sampling which has been created on the basis of the results of the 201 the reference population. The frame of PSUs is updated every ten (10) years through the general population census. Concerning the frame of households, within each selected PSU this is u households used for data collection. So, any coverage problems that may arise is more possible to relate with the frame of PSUs Coverage problems encountered were: • The frame of the 2011 Census of Population was somehow outdated and as a result some housing units were found to be empty or to be used for other purpose · Some houses were used as secondary residence, so they were out of scope of the survey. · Some houses were impossible to be located due to incomplete information regarding their addresses. · Housing units built after March 2013, were not included in our sampling frame. However, any such problems are corrected with the use of the calibration procedure already described. 5.3.1.1 Overcoverage -Main problems Size of error rate Cross sectional 1.5% (137 □ Over-coverage adresses data □ Under-coverage □ Misclassification 5.3.2 Cross sectional data Measurement **Building process of** Quality control Source of Interview training error measurement errors questionnaire Measurement errors For building up the (a) Interviewers can occur from the questionnaires we Apart from the questionnaire(design, adopted the initially interviewers the All the external collaborators content and wording), proposed questionnaires (interviewers) of Attiki Prefecture training sessions the interviewers and of Eurostat as the basis attended a four days training course were also (documents EUtheir training. the attended by before starting the fieldwork. Four days SILC055 and EUrespondents the supervisors. training was both on the basic concepts routing, and the skills SILC065). The Each one of of the survey and the questionnaire testing before starting structure of the completion and on the use and data them was the fieldwork questionnaires is similar responsible for a entry in the electronic questionnaires. As the 2013 EU-SILC to these ones. The group of majority of the questions interviewers. round was the $11^{\mbox{th}}$ in The training in Athens, Thessalonica, are almost literally During the the series, quality has Patras (major regional offices in the copied and translated. fieldwork period considerably improved country), followed by the Regional the supervisor due to interviewers' Offices Heads, which in turn trained In order to finalize the had meetings feedback continuous both their personnel as well as the questionnaires, we took with each one data analysis and external collaborators. of the into account any research. Two manuals were distributed and observations made on interviewers in explained during the training: his/her group at the questionnaires of the least once a previous years (pilot • A general guidelines' manual survey. EU-SILC 2003 week. During containing information about the - 2012) together with these meetings, objectives of the survey, the apart from the experience from the organization of the survey, legal and discussing ECHP projects. administrative aspects around the problems or survey, fieldwork aspect (how to questions raised Mainly the parts on selfcontact the household, how to during the week, introduce oneself who answers which employment income and the supervisors questions. time delays. ...) and the taxes have been content and correct completion of the also collected differently formulated. (from the questionnaires. A second manual on the use of interviewers The questionnaires for portable PCs for the EU-SILC laptops and the 2012 survey were Computer Assisted Personal paper the same as those of Interviews and about the data entry questionaires) 2004-2012 survey except program itself. all completed for some small changes questionnaires in the wording. The Unfortunately, after four years it seems Their main duty major changes concern though that still some interviewers don't during the data on additional questions use the exact wording of the questions. collection period using in the net/gross/net Others skip questions. especially was to examine conversion model (see subjective ones (e.g. deprivation the

questions). Also, when the respondents

interviewers'

www.statistics.gr/social

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	statistics/ statistical data/ income and living conditions/metadata and questionnaires or on CIRCA). We did not include additional questions to cover other areas at the national level.	 didn't provide the figures the interviewers completed/imputed the figures themselves. (b) The respondents The respondents hesitate in providing income figures and in general deny consulting their tax return, in order to provide exact / correct amounts. Income from interests, dividends in unincorporated businesses is in general not provided from the households, resulting thus in a significant underestimation of it despite to increase in EU SILC 2012. There is a sense that still self-employment income has been underestimated. The Hellenic Statistical Authority ELSTAT (former National Statistical Service of Greece) made several plausibility checks. Especially for income data lower and upper bounds of the range in which an amount of income was accepted were applied. These checks were carried out during the survey conduction, as the guidelines of the survey included such bounds for specific income data and afterwards centrally by personnel of ELSTAT. Whenever necessary, households were called back. Changes occurring in persons' activity status longitudinally resulted in a number of inconsistencies. For example, persons having been working in year N-1 but retired in year N, persons being students in year N-1 and employed in year N, income in year N-1 from persons who died in year N, etc. may result in these inconsistencies representing though reality. In any case the pre-mentioned examples resulted both in under and over reporting of income. 	work. Furthermore the supervisors had to double check some of the answers with respondents either by telephone or by personally visiting the household in question, especially in the case of unusual answers or missing data.	
error 1) Unit no <i>Househol</i> NRh = (1-(Ra whe re NRh=(1-0.992 So. the house <i>Individua</i> NRp = (1-(Rp Where	<pre>on-response which refers to the absence d non-response rates (NRh) h * Rh)) * 100 = 15.782% 2*0.849)*100= 15.782% hold non-response rate is 15.782% l non-response rates (NRp)</pre>	attempt to obtain the desired information from e of information of the whole units (household		
□ Overall in	dividual non-response rates (*NRp)			

NRp=(1-(Ra*Rh*Rp))*100=(1-(0.992*0.849*0.989))*100=16.722%

					1				1		
5.3.3.1 Unit 10n-response				otal Rota	tion 1	Rotation 2		F	Rotation 4		
rate	All households	Ra	Ra		0.992	1.000	0 0.984		1.000		
		Rh	Rh		0.849	0.957	0.731		0.995		
		NRh	NRh	1	5.779	4.300	28.070		0.500		
		Rp	Rp		0.989	0.993	0.984		0.994		
		NRp	NRp		1.1	0.7	1.6		0.6		
		NRp2	NRp2	1	6.706	4.97	29.22		1.097		
	Original units	Ra				No substituti	ons				
		Rh				No substituti	ons				
		NRh				No substituti	ons				
		Rp				No substituti	ons				
		NRp				No substituti	ons				
		NRp2				No substituti	ons				
	Ra – address contac	·									
on-response rate	the main income varia	bles both at ho	usehold and			al diamona 11.1	h T-4-1 Power		ama hafarra	ial transformed	on these st
				Total hh gross income	s Tota	al disposable ł	ih Total disposa			ial transfers oth	er than old
				(HY010)		income (HY020)		age	and survivors b (HY022)	benefits	
	% of household hav	ving received an	n amount		.7		.0	age		penetits	98
	% of household hav % of household wit (before imputation)	-		(HY010) 99	0.7	(HY020) 100	.0	age		venefits	98
	% of household wit	h missing value	S	(HY010) 99 0		(HY020) 100 0		age			(
	% of household wit (before imputation) % of household wit	h missing value	s ation	(HY010) 99 0	Family/ related al	(HY020) 100 0	.0	yments		Regular inter transfers re (HY08	(-hh cash ceived
	% of household wit (before imputation) % of household wit	h missing value	s ation	(HY010) 99 0 0 from rental rty or land	Family/ related al	(HY020) 100 0 Children llowances	.0 .0 Social exclusion pa not elsewhere clas	yments	(HY022) Housing allowances	Regular inter transfers re	(-hh cash ceived
	% of household wit (before imputation) % of household wit (before imputation) % of household hav an amou % of household v values (before in	h missing value h partial inform ving received int vith missing nputation)	s ation	(HY010) 99 0 0 0 from rental rty or land 7040) 12.4 0.0	Family/ related al	(HY020) 100 0 0 0 0 0 0 0 0 0 0 0 0	.0 .0 Social exclusion pa not elsewhere clas	yments isified	(HY022) Housing allowances (HY070) 0.2 0.0	Regular inter transfers re	-hh cash ceived 0) 7.6 0.0
	% of household wit (before imputation) % of household wit (before imputation) % of household hav an amou	h missing value h partial inform ving received mt vith missing nputation) with partial	s ation	(HY010) 99 0 0 from rental rty or land 7040) 12.4	Family/ related al	(HY020) 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.0 .0 Social exclusion pa not elsewhere clas	yments sified 4.6	(HY022) Housing allowances (HY070) 0.2	Regular inter transfers re	-hh cash ceived 0) 7.6
	% of household wit (before imputation) % of household wit (before imputation) % of household have an amou % of household v values (before in % of household v	h missing value h partial inform ving received mt vith missing nputation) with partial	s ation Income : of prope (H') Cash or employe	(HY010) 99 0 0 0 from rental rty or land 7040) 12.4 0.0	Family/ related al (HY	(HY020) 100 0 0 0 0 0 0 0 0 0 0 0 0	.0 .0 Social exclusion pa not elsewhere clas	yments sified 4.6 0.0 0.0	(HY022) Housing allowances (HY070) 0.2 0.0	Regular inter- transfers re (HY08	-hh cash ceived 0) 7.6 0.0 0.0 0.0 Survivo benefits
	% of household wit (before imputation) % of household wit (before imputation) % of household have an amou % of household v values (before in % of household v	h missing value h partial inform ving received int vith missing nputation) with partial e inputation) ving received	s ation Income : of prope (H') Cash or employe	(HY010) 99 0 0 0 0 0 0 0 0 0.0 0.0	Family/ related al (HY	(HY020) 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.0 .0 Social exclusion pa not elsewhere clas (HY060) Cash profits or from self-emplo	yments sified 4.6 0.0 0.0	(HY022) Housing allowances (HY070) 0.2 0.0 0.0 0.0 Unemployme benefits (PY090)	Regular inter transfers re (HY08	-hh cash ceived 0) 7.6 0.0
	% of household wit (before imputation) % of household wit (before imputation) % of household have an amou % of household have values (before in % of household v information (before % of household have % of household have % of household have	h missing value h partial inform ving received mt vith missing nputation) with partial e imputation) ving received mt ving received mt	s ation Income : of prope (H') Cash or employe	(HY010) 99 0 0 0 0 0 0 0 0 0.0 0.0	Family/ related al (HY	(HY020) 100 0 Children llowances (050) 10.5 0.0 0.0 from private ompany car Y021)	.0 .0 Social exclusion pa not elsewhere clas (HY060) Cash profits or from self-emplo	yments sified 4.6 0.0 0.0 losses yment	(HY022) Housing allowances (HY070) 0.2 0.0 0.0 0.0 Unemployme benefits (PY090)	Regular inter transfers re (HY08	-hh cash ceived 0) 7.6 0.0 0.0 Survivor benefits (PY110
	% of household wit (before imputation) % of household wit (before imputation) % of household have an amout % of household have information (before in % of household have information (before in % of household have an amout % of household have % of household have an amout % of household have an amout % of household have an amout % of household have % % % % % % % % % % % % % % % % % % %	h missing value h partial inform ving received mt vith missing nputation) with partial e imputation) ving received mt vith missing mputation) with partial	s ation Income : of prope (H') Cash or employe	(HY010) 99 0 0 0 0 0 0 0 0 0 0.0 0.	Family/ related al (HY	(HY020) 100 0 0 0 0 0 0 0 0 0 0 0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.6	.0 .0 Social exclusion pa not elsewhere clas (HY060) Cash profits or from self-emplo	yments sified 4.6 0.0 0.0 losses yment 12.7	(HY022) Housing allowances (HY070) 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Regular inter transfers re (HY08 Int Old-age benefits (PY100) .6 24.5	-hh cash ceived 0) 7.6 0.0 0.0 0.0 Survivo benefite (PY110 4

5.3.4

9/12

Processing	Data entry and coding	Editing controls
rtor	Used the PAPI and CAPI– method to interview the persons. The electronic questionnaires were designed using Oracle - SQL, due to the mode of collection (CAPI). The errors were fewer than the other surveys. (1) Data entry controls	The finalised data files prepared by expert staff were then processed using SAS programs with various other logical and consistency checks. Before sending the final D-, R-, H-
	As pre-mentioned several plausibility checks have been made, using the validation rules of doc. 65. Additionally to Eurostat's basic checks, checks were made with the data entry programs. In general, data entry programs and post-data entry programs checks were made as following:	and P- files, data files were further checked using EUROSTAT's SAS programs.
	 Coverage Checks on the number of questionnaires expected to be collected Number of expected household questionnaires per area unit. Number of expected personal questionnaires per interviewed household. Number of split-off households. Number of tracing sheets and number of moved members. 	
	 Deletion of duplicates Person identification check (household member check / person identification check on household register Monitoring of flows, valid values and out of range values Intra-year inconsistencies check Intra-questionnaire inconsistencies check Controlling of the amount of income components and especially of social transfers 	
	- Personal Register	
	• The specific childcare programs were cross-checked with the age of the child. For example for a three year-old child the interviewer could not register an answer to "number of hours spent per week in a program of obligatory educational level".	
	 Household Questionnaire On tenure status, if there was an answer in "owned dwelling" or "rented for free" then there couldn't be registered a positive answer in question on "arrears on mortgage or rent payments". On "Capacity to afford paying for one week annual holiday away from home, have a meal with meat, chicken. fish every second year, etc." if a positive answer existed in all four items then in question on "ability to make ends meet" a positive answer wasn't accepted in "with great difficulty". 	
	 Personal Questionnaire The age was cross-checked with the educational level attended. The age was cross-checked with the educational level attained. Between questions on level currently attended and level of education attained there was also made a cross-check, so that a person cannot attend a level of education being lower than the one having being finished. Crosscheck was made between the age at which the person finished a specific educational level and the specific educational level having been attained. The age couldn't be less than the usual age at which the level is attained. 	
	 A person suffering from a chronic illness or condition couldn't answer in question on health status has "very good health" In question on basic activity status all the answers were crosschecked with the answer provided in the personal register. A more complicated cross-check was made in year of birth age first job was undertaken and years spend as employee or self-employed. 	
	 A person couldn't answer "have never worked" if there exists a positive answer in question on 'working full or part time' or answer "yes" in question on 'Have you ever worked?'. In question on when a person was employee, then in question 50 must answered "Yes" meaning that he/she had income from paid 	
	 employment. The same check applied for the self-employed as well, then he must answered "Yes" meaning that he/she had income from self-employment. In question 2 on social security benefits and specifically for the social solidarity allowance for pensioners up and down boundaries 	
	were inserted for the registration of the amount.In question on the s/n of the member who made tax return with the respondent must exist in the register.	
	In all the pre-mentioned checks the cursor couldn't continue to the	

next answer and a special notice appeared on the screen.

	Inter-questionnaire inconsistencies check	
	Longitudinal checks	
	 Checks and comparison of demographic data register in the Personal Register with these of previous year. Check and comparison of citizenships and countries of birth with previous year. 	
	(2) Codification The codification of questions relating to occupation (ISCO), economic activity of the local unit (NACE), nationality was done by experienced personnel according to ISCO-88 and ISCO-08, NACE rev. 2 and Doc 65/11.	
	(3) Other controls and other problems Several plausibility checks have been made. most of them being the same as the ones SAS program applies. During the data processing of raw material ACCESS-2000. ORACLE (golden 3.2) and win-SPSS 19 have been used.	
5.3.4.1		
Imputation - rate	Not requested by Reg. 28/2004	
5.3.4.2 Common units - proportion	Not requested by Reg. 28/2004	
5.3.5 Model	·	
assumption error	Not requested by Reg. 28/2004	
5.3.6 Data revision	Data revision	
5.3.6.1 Data revision - policy	Data revision - policy	
	Not requested by Reg. 28/2004	
5.3.6.2 Data revision -	Data revision - practice	
practice	Not requested by Reg. 28/2004	
5.3.6.3 Data revision - average size	Not requested by Reg. 28/2004	
5.3.7 Seasonal		
cieri scasunal	· · ·	

6 Timeliness and punctuality	Timeliness and punctuality
	Not requested by Reg. 28/2004
6.1 Timeliness	<u>Time liness</u>
	Not requested by Reg. 28/2004
6.1.1 Time lag - first result	.Not requested by Reg. 28/2004
6.1.2 Time lag - final result	.Not requested by Reg. 28/2004
6.2 Punctuality	Punctuality
	Not requested by Reg. 28/2004
6.2.1 Punctuality - delivery and	
publication	

7 Accessibility and clarity

7.1 Dissemination format - News release <u>News release</u>

	Not requested by Reg. 28/2004
7.2 Dissemination format - Publications	Publications
	Not requested by Reg. 28/2004
7.3 Dissemination format - online	On-line database
database	Not requested by Reg. 28/2004
7.3.1 Data tables - consultations	.Not requested by Reg. 28/2004
7.4 Dissemination format - microdata	Micro-data access
access	
7.5 Documentation on methodology	Documentation on methodology
	Not requested by Reg. 28/2004
7.5.1 Metadata completeness - rate	.Not requested by Reg. 28/2004
7.5.2 Metadata - consultations	.Not requested by Reg. 28/2004
7.6 Quality management - documentation	Quality documentation
	Not requested by Reg. 28/2004
7.7 Dissemination format - other	Other
	Not requested by Reg. 28/2004

8 Comparability	<u>Comparability</u>							
Comparadinty	According to the Regulation (EC) No 1177/2003 of the European Parliament and of the Council concerning EU-SILC: "Comparability of data between fundamental objective and shall be pursued through the development of methodological studies from the outset of EU-SILC data collection, carried out Member States and Eurostat". Although the best way for keeping the comparability of data is to apply the same methods and definitions of variables, sn by Eurostat are allowed in EU-SILC. In this way, the mentioned Regulation in its article 16th says: "Small departures from common definitions, such as definition and income reference period, shall be allowed, provided they affect comparability only marginally. The impact of comparability shall be report definitions used in SILC in Greece are fully compared with Eurostat definitions							
8.1 Comparability - geographical	Comparability - geographical Not requested by Reg. 28/2004							
8.1.1 Asymmetry for mirror flow statistics - coefficient	etry or tistics							
8.1.2 Reference population	. Reference population	Private household definition	Household membership					
	The reference population is all citizens officially living at Greek territory (population de facto). The source of our sample is the Census Population. This Census includes all private households and their current members residing in the territory independently of any socio-economic characteristics they may have. Persons living in collective households and in institutions are excluded from the target population as well as households having members diplomatic missioners.	The definition of household that Eurostat recommends is used. Household is defined as a person living alone or a group of people who live together in the same dwelling and share expenditures including the joint provision of the essentials of living.	 All household members of 16 year and older at the time of the interview are selected for a personal interview. Subject to the further and specific conditions shown below. the following persons must if they share household expenses. be regarded as household members: Persons usually resident. related to other members Persons usually resident. not related to other members Resident boarders. lodgers. tenants Visitors Line-in domestic servants. au-pairs Persons usually resident. but temporarily absent from the dwelling (for reasons of holiday travel. work. educated away from home Persons absent for long periods. but having household ties: persons working away from home Persons temporarily absent but having household ties: persons in hospital. homes or other institutions 					

12/2014					ESSI	Metadata	Handle	er							
						(a) Ca	ategorie	s 3.4. and	5:						
						private or inter months	addres		re; or the	ir actual					
						private actual	addres or inten he hous	must curre s elsewhen ded duration ehold must	re and the	eir ence					
							(c) Ca	ategory 7 a	ind 8:						
						duratio curren elsewh a hous retain o must c	on of ab tly have here, mu ehold m close tie	f the actua sence, such no private ist be the p member and es with the this addrese.	h persons e address partner or d must co househol	s must child of ntinue to ld and					
							(d)	Category 9	9:						
						to the l prospe	househo ctively	nust have o old and mu absent from ix months.	st be actu	ually or					
8.1.3 Reference Period		taxes on ind urance cont		Income reference perio used	ods period f	rence for taxes realth	Lag		he income rent varia	e ref period bles	l				
	The income fixed twelve the previous refunds rece referred to i previous yea	s calendar ye eived during income rece	iod. namely ear. Tax 2012	For SILC 201 the income reference period is the year 201	period fo od on wealt		previo and th fieldw There	ous calenda	ar year (y variables l (April - g is at mi		e				
8.1.4 Statistical concepts and definitions	Total hh gr income (HY010		tal disposable hh income (HY020)	^	bosable hh incor other than old-a benefits (HY022)	ge and sur				e hh income l transfers 3)	;				
	F		F		F				F						
	Imputed rent (HY030)	Income from rental of property or land (HY040)	Family/ Children related allowances (HY050)	Social exclusion payments not elsewhere classified (HY060)	Housing allowances (HY070)	Regular inter-hh cash transfers received (HY080)	div pro inve inco bus	nterest, vidends, offit from capital estments in orporated cinesses IY090)	Intere paid o mortga (HY10	n rece .ge b	ived taxe y we pple (HY ed er 16	120)	Regular inter-hh transfers paid (HY130)		
	F	F	F	F	F	F		F	F	I	7	F	F		
	Cash or near- cash employee income (PY010)	Other non-cash employee income (PY020)	Income from private use of company car (PY021)	Employers social insurance contributions (PY030)	Cash profits or losses from self- employment (PY050)	goo produ	ods uced own nption	Unempk bene (PYC	fits	Old-age benefits (PY100)	Survivors benefits (PY110)	bene	efits l	Disability penefits PY130)	
	F	F	F	F	F	F		F	,	F	F	I	F	F	
	1							1							

9/12/2014			ESS	Meta	data Handler						
	The source or procedure used for the collection of income variables	The form in which variables at componen been obtained	nt level have]	The method use variables in	d for obtaining the required fo					
	Data on income variables were collected by Computer Assisted Personal Interviewing and Paper Asiisted Personal Interviewing. Each and every income component was separately collected.	The interviewers and respondents have the reporting income gross tax on income at source applicable, of social co- at component level. The which the net amounts recorded in database at tax on income at source social contributions	option of s or net (of ce and, if ontributions) he form in s are are net of	Statis conce gross perso dispo varia may Mem colled whet or dir survee Net a were and r amou have convector	basic requirem stics on Income erning income v s income in spec- onal and income osable income o ble at the total 1 be severe pract- obser States, incl cting income da ther the data are rectly from resp eys. amounts of the reported net of net of social cor ints of the targe also been obtai ersion model Si el (SM2)	and Living Co variables is to n cified detail at component le nly as a set of nousehold leve ical difficulties uding Greece, ta exactly in the obtained from ondents in sar target income f tax on income atributions. Gre et gross income ned using a ne	variables e variables e variables e t-to-gross				
8.2 Comparability - over time	The significant differences exi having no high frequency and Comparison of income target Change between SILC 2012 a	as a result the changes variables – EU SILC 201	from year to y 13 and 2012.	vear ma				l crisis in G	reece and it o	can be attribu	uted to
	Income component							%			
	Ну020			-				-10.1			
	НҮ022			-				-10.2			
	HY023							-16.6			
	PY010N							-11.8			
	PY050N							-9.1			
	Income component		EU SII 2012 (mea		EU SILC 201 (mear		Sums 2013 million Euro				
	Total disposable household in	ncome (HY020)	17,977.	32	16,170.0	0 75,0138	68668	,53			
	Total disposable household ir transfers except old-age and (HY022)		17,190.	41	15,435.2	6 71,745	65548	,33			
	Total disposable household ir transfers including old-age an (HY023)		11,483.	12	9,574.6	3 47,915	40660	,24			
	Income from rental of a prop (HY040N)		821.	59	571.4	9 3,428	2426	,94			
	Family related allowances (F Social exclusion not elsewhe (HY060N)		127. 132.	_	142.4		605 472,0				
	Housing allowance (HY070)	N)	4.	10	3.7	8 17,108	16,0	60			
	Regular inter-household cash (HY080N)		277.	_	297.1		1261				
nttps://webgate.ec	.europa.eu/estat/spe/metacor	n√previewMetadataFil	e.htm?metad	lataFil	eld=5275						10/22

			0 0				
	Interests. dividends. etc. (HY090N)	9	3.24	79.36	389,055		337,00
	Income received by people aged < 16 (HY110)		0.15	0.00	0.063		1085,82
	Taxes on wealth (HY120N)	32	8.82	475.54	137,204		0
	Regular inter-household cash transfer paid (HY130N)	28	0.42	277.45	1,170		2019,45
	Net income components at personal level						
	Employee cash or near cash income (PY010N)	3,718.40		3,280.45	;	34,411	30237,00
	Non cash income (PY021N)	17.41		13.85	5	0,160	127,32
	Cash benefits or losses from self-employment (PY050N)	1,729.71		1,572.69)	15,948	14473,46
	Pension from individual private plans (PY080N)	0.75		0.82	2	0,70	7,55
	Unemployment benefits (PY090N)	124.66		121.81		1,157	1123,67
	Old age benefits (PY100N)	2,332.64		2,417.77	7	21,489	22215,06
	Survivor' benefits (PY110N)	298.70		324.88	;	2,778	2990,56
	Sickness benefits (PY120N)	3.03		2.82	2	0,280	25,90
	Disability/Invalidity benefits (PY130N)	110.05		95.16	5	0,102	876,91
	Education-related allowances (PY140N)	3.35		3.60)	0,316	33,32
8.2.1 Length of comparable time series	.Not requested by Reg. 28/2004				_		
8.3 Comparability - domain	.Not requested by Reg. 28/2004						

9 Coherence	<u>Coherence</u>									
	generated, used the same concepts and the number of persons who reco	The coherence of two or more statistical outputs refers to the degree to which the statistical processes, by which they were generated, used the same concepts and harmonised methods. A comparison with external sources for all income target variables and the number of persons who receive income from each 'income component' will be provided, where the Member States concerned consider such external data to be sufficiently reliable.								
9.1 Coherence - cross domain	The risk of poverty indicator EU-SI for the Household Budget Survey th income. When comparing the two s methodologies. Discrepancies may expenditure whereas EU-SILC targ Also, are presented tables of 2013 Below are presented tables proving	e pre-ment urvey resu further aris ets househo SILC and	ioned indicators have l Its it is essential to kee e by the fact that they old income. 2013 LFS compared	been estimated f p in mind the dif serve different carget variables.	rom comsumption e ferences between t purposes; HBS targ	expenditure and not from the concepts and gets household				
	2^{nd} quarter of 2013making thus the			les ure in coner.						
	Variable PL031: "Self-defined curr									
	Self-defined current activity status		2013 SILC		2013 LFS	2013 LFS_rev				
	At work (Full + Part time)		37.0		38.3	37.				
	Unemployed		15.7		15.6	15.				
	Non economically active		47.3		46.1	46.				
	Variable PL060: "Number of hours	usually wo	rked per week in mair	job".%						
	Number of hours usually worked per week in main job		2013 SILC 41.33							
	Variable PL130: "Number of perso	ns working	in the local unit". %							
	Number of persons working in the unit		2013 SI	.C	2013 LFS	2013 LFS_rev				
	1 person		20.9		20.3	20.				
	2 persons		1	.6	13.8	13.				
	3 persons		(ó.1	6.9	6.				
	4 persons			1.2	3.9	3.				
	5 persons			3.8	3.3	3.				
	6 persons		:	2.0	1.9	1.				
	7 persons			3	1.3	1.				
	8 persons			.3	1.2	1.				
	9 persons).7	.5					
	10 persons			2.5	1.6	1.				
	11-19 persons		1).2	8.4	8.				

20-49 persons	9.4	7.4	7.4
50 persons or more	18.3	14.0	14.0
Don't know but fewer that 11 persons	2.8	5.6	5.7
Don't know but more than 10 persons	5.0	10.0	10.1

PL040: "Status in employment" %

Status in employment	2013 SILC	2013 LFS	2013 LFS_rev
Self employed with employees	5.1	6.7	6.6
Self employed without employees	23.6	25.5	25.3
Employee	65.3	62.9	63.1
Family worker	5.9	4.9	4.9

PE040: "Highest ISCED level attained".%

1 LOHO. THERE'ST ISCED REVER attailed .70			
Highest ISCED level attained	2013 SILC	2013 LFS	2013 LFS_rev
Never attended any level of education	5.9	4.9	5.0
Primary education	21.8	25.1	25.3
Lower secondary education	11.7	11.5	11.6
Upper secondary education	32.4	31.4	31.3
Post secondary non tertiary education	6.2	6.4	6.4
First stage of tertiary education	21.6	20.3	20.1
Second stage of tertiary education	0.5	.4	.4
PL051 : 'Occupation'. %			
Occupation	2013 SILC	2013 LFS	2013 LFS_rev
Armed forces	0.7		
Legislators, senior officials and managers	3.4	5.2	5.1
Professionals	21.1	19.5	19.4
Technicians and associate professionals	9.1	7.6	7.7
Clerks	11.3	9.8	9.9
Service workers and shop and market sales workers	21.1	20.4	20.6
Skilled agricultural and fishery workers	10.7	12.8	12.8
Craft and related trades workers	9.0	10.0	9.9
Plant and machine operators and assemblers	5.7	6.5	6.,3
Elementary occupations	8.0	6.5	6.5
PL111: "Economic activity". %			
Economic activity	2013 SILC	2013 LFS	2013 LFS_rev
Agriculture, hunting, forestry and fishing	11.0	13.6	13.6
Mining and quarrying	0.3	.3	.3
Manufacturing	9.4	9.3	9.2
Electricity,gas,steam and airconditioning	0.7	.8	.8
Water supply: sewerage, waste management and remediation	0.5	.7	.6
Construction	4.4	4.7	4.7
Wholeshale and retail trade:repair of motor vehicles and motorcycles	17.8	18.1	18,1
Transportation and storage	4.8	5.0	4.9
Accommodation and food service activities	7.9	7.3	7.5
Information and communication	2.3	2.2	2.2
Einen sist and in summer a sticities			2.1
Financial and incurance activities	3.4	3.1	3.1
Real estate activities	3.4 0.1	3.1	
			.1
Real estate activities Professional scientific and technical	0.1	.1	.1
Real estate activities Professional scientific and technical activities	0.1	.1	.1 5.5 1.7
Real estate activities Professional scientific and technical activities Administrative and support service activities Public administration and	0.1 6.6 2.1	.1 5.5 1.7	.1 5.5 1.7 9.1
Real estate activities Professional scientific and technical activities Administrative and support service activities Public administration and defence; compulsory social security	0.1 6.6 2.1 10.1	.1 5.5 1.7 9.2	.1 5.5 7 1.7 9.1 7,8

Other service activities		1	.9	2.0		2.0
Activities of households as employers		0	.7	1.5		1.5
Household by size. %						
Households type		20	013 SILC	2013	LFS	2013 LFS_rev
One person household			25.7		28,4	28,6
Two persons household		29.5			30.2	30.2
Three persons household		19.8			18.7	18.5
Four persons household		15.5			17.0	16.9
Five persons household		6.9			4.3	4.3
More than six persons household			2.7		1.1	1.1
Variable PL015: "Have you ever worked"	(for pers	ons not working but	having wo	orked in the past)	. %	
Have you ever worked		2013 SILC		2013 LFS		2013 LFS_rev
Yes		67.,6		63.3		62.7
No		32.4		36.7		37.3

Variable PL120: "Number of persons working less than 30 hours per week". %

Working less than 30 hours per week	2013 SILC	2013 LFS	2013 LFS_rev
Number of persons working less than	12.9	10.1	10.2
30 hours per week			

Variable PL140: "Type of contract". %

Type of contract	2013 SILC	2013 LFS	2013LFS
Permanent job / work contract of unlimited duration	78.0	90.2	90
Temporary job/work contract of limited duration	22.0	9.8	10

Comparison of labour participation. %

	Г	otal	М	ale	Fei	male
Age	2013 LFS	2013 SILC	2013 LFS	2013 SILC	2013 LFS	2013 SILC
15-19 years	9.1	12.4	10.8	13.4	7.5	11.2
20-24 years	50.6	52.0	55.2	55.5	46.0	48.7
25-29 years	86.2	88.3	90.4	92.3	81.6	84.2
30-34 years	89.0	89.5	95.9	97.8	81.8	80.6
35-39 years	87.9	87.4	96.4	97.7	78.9	77.0
40-44 years	86.8	87.6	96.4	96.8	76.8	77.8
45-49 years	83.1	81.4	93.5	94.3	72.6	69.3
50-54 years	72.6	69.4	88.5	85.1	57.4	53.3
55-59 years	55.8	51.1	72.6	68.2	40.1	35.7
60-64 years	28.7	23.9	37.3	33.4	20.6	15.0
65 years +	2.,7	1.6	4.4	2.4	1.3	1.0

Comparison of labour participation. %

	Te	otal	М	ale	Fe	male
Age	2013 LFS_rev	2013 SILC	2013 LFS_rev	2013 SILC_rev	2012 LFS_rev	2013 SILC_rev
15-19 years	9.2	12.4	11.0	13.4	7.5	11.2
20-24 years	50.3	52.0	55.0	55.5	45.6	48.7
25-29 years	86.2	88.3	90.5	92.3	81.7	84.2
30-34 years	89.0	89.5	96.0	97.8	8.8	80.6
35-39 years	87.7	87.4	96,4	97.7	78.9	77.0
40-44 years	86.6	87.6	96,4	96.8	76.8	77.8
45-49 years	82.9	81.4	93.5	94.3	72.6	69.3
50-54 years	72.3	69.4	88.5	85.1	57.4	53.3
55-59 years	55,7	51.1	72.5	68.2	40.2	35.7
60-64 years	28.8	23.9	37.5	33.4	20.8	15.0
65 years +	2.7	1.6	4.4	2.4	1.3	1.0

9.1.1 Coherence - sub annual and annual

statistics	ESS Melauala	Tanuci			
9.1.2 Coherence - National Accounts	Comparison with Household Budget Survey				
	At-risk-of-poverty threshold: 2013 SILC -HBS				
	2013 SILC	2013 HBS			
	5,023.00	5,253.77			
	At-risk-of-poverty rate: 2013 SILC -HBS				
	%				
	2013 SILC 2	2013 HBS			
	23.1	21.0			
	The next tables present the coherence between 20	012 HBS and 2012 SILC.			
	HH021: "Tenure status". %				
	Tenure status	20	13 HBS	2013 SILC	
	Owner		81.4	78.	
	Tenant		18.6	21	
	HH081: "Bath or shower in dwelling".%				
	Bath or shower in dwelling	20	13 HBS	2013 SIL	
	Yes		2.2	0.	
	No		97.8	99	
	HH091: "Indoor flushing toilet for sole use of hous Indoor flushing toilet for sole use of household		13 HBS	2013 SILC	
	Yes No		2.5 97.5	99	
	HH010: "Dwelling type". %				
	Dwelling type	20	013 HBS	2013 SIL	
	Detached house		33.7	32	
	Semidetached house		9.9	8	
	Apartment or flat		55.5	58	
	Some other kind of accommodation		0.9	0	
.2 Coherence - internal	<u>Coherence - internal</u>				
	Comparison of the total equivalized disposable hou	usehold income (deciles). EU-	SILC 2012 and 2013		
	Total equivalised disposable household income				
		EU-SILC 2012	EU-SILC 2013	Chang	
	Number of households	4,172,628	4,246,663	1.7	
	Mean Standard deviation	10,724.33 7,853.34	9,609.20 7,760.24	-10.4	
		1,000.04	1,100.24	-1.1	
	10%	2,054.06	2,037.51	-0.8	
	20%	4,813.66	4,261.42	-11.4	
				-0.8 -11.4 -9.8 -11.2	

50%	8,763.58	7,922.35	-9.60
60%	10,116.62	9,027.14	-10.77
70%	11,517.61	10,184.46	-11.57
80%	13,419.38	11,895.75	-11.35
90%	16,243.08	14,315.84	-11.86
100%	26,765.44	24,344.10	-9.05

Comparison of the total equivalized disposable household income(quintiles). EU-SILC 2012 and 2013

Total equivalised disposable household income							
	EU-SILC 2012	EU-SILC 2013	Change				
Number of households	4,172,628	4,246,663	1.77				
Mean	10,724.33	9,609.20	-10.40				
Standard deviation	7,853.34	7,760.24	-1.19				
20%	3,428,67	3,150.66	-8.11				
40%	6,782.56	6,060.85	-10.64				
60%	9,439.93	8,474.29	-10.23				
80%	12,468.46	11,039.54	-11.46				
100%	21,504.05	19,323.65	-10.14				

Comparison of number of persons who receive income from family allowances with external sources

Family allowances	Number of persons that received the family allowances in survey data	Number of persons received the family allowances in administrative data	Recorded in survey / recorded from administrative data %
Life long pension for mothers with more than 3 children	114,182	165,468	69.0
Allowance for mothers having more than 3 children	96,210	75,010	128.3
Allowance for mothers having third child	60,781	55,108	110.3
Lump sum due to birth of third. four etc. child	1,595	9,569	16.7
Allowance for mothers having 3 children	146,994	172,464	85.2
Total	419,762	477,619	87.9

Unemployment benefit / Social solidarity for pensioners/ ESSPROS

Comparisons have been made for regular unemployment benefit with administrative data (approximately 234,455 for December 2012), while the survey were found 330,589 persons. As far as the social solidarity benefit for pensioners is concerned. according to administrative data 216,726 persons (information of the main insurance scheme IKA) received it in 2013 (EU-SILC 2013), while from the survey the relative number is 172,224 persons, having in mind that IKA gives that the 80% of that allowance. In general, deviations from ESSPROS's data are accepted and are attributed to the fact that ESSPROS's data are from administrative data while the other are from a sample of households.

10 Cost and Burden		
	Not requested by Reg.28/2004	

11 Confidentiality	Confidentiality
	Not requested by Reg.28/2004
11.1 Confidentiality - policy	Confidentiality - policy
	Not requested by Reg.28/2004
11.2 Confidentiality - data treatment	<u>Confidentiality - data treatment</u>
	Not requested by Reg.28/2004

2/2014	ESS Metadata Handler	
12 Statistical processing	Statistical processing	
	Detailed information concerning sampling frame, sampling design, sampling units, sampling size, weightings and mode of be found in this section. Such information is mainly used for the computation of the accuracy measures.	data collection ca
12.1 Source data	Sampling frame and coverage errors EU-SILC survey is based on a two-stage stratified sampling of households from a frame of sampling which has been or basis of the results of the 2011 population census and covers completely the reference population.	preated on the
	The frame of PSUs is updated every ten (10) years through the general population census. Concerning the frame of he each selected PSU this is updated before the selection of the sampling households used for data collection. So, any cover that may arise is more possible to relate with the frame of PSUs	
	 Coverage problems encountered were: The frame of the 2011 Census of Population was somehow outdated and as a result some housing units were found be used for other purposes other than housing. Some houses were used as secondary residence, so they were out of scope of the survey. Some houses were impossible to be located due to incomplete information regarding their addresses. Housing units built after March 2012, were not included in our sampling frame. However, any such problems are corrected with the use of the calibration procedure already described. 	to be empty or to
2.1.1 Sampling design and procedure	Type of sampling design	
	The two-stage area sampling was applied for the EU-SILC survey.	
	Stratification and sub stratification criteria	
	There are two levels of area stratification in the sampling design. The first level is the geographical stratification based on the partition of the total country area into thirteen (13) Regions corresponding to the European NUTS2 level. The two former major city agglomerations of Greater Athens and Greater Thessalonica constitute separate major geographical strata. The second level of stratification entails grouping Municipal/Local communes within Region by degree of	
	 urbanization, i.e., according to their population size. The scaling of urbanization was finally designed in four groups: >= 30.000 inhabitants 5.000-29.999 inhabitants 1.000-4.999 inhabitants 0-999 inhabitants 	
	The number of the final strata in the thirteen (13) Regions is 50. The former Greater Athens Area was divided into 31 strata of about equal size (equal number of households) on the basis of the lists of city blocks of the Municipalities that constitute it and taking into consideration socio-economic criteria. Similarly, the former Greater Thessaloniki Area was divided into 9 equally sized strata. The two Major former City Agglomerations account for about 39,1% of total population and for even larger percentages in certain socio-economic variables. Thus, the total number of final strata of the survey is 90. The initial sample size is 8.916 households (the sampling fraction is about 1,8‰). This fraction s the same	
	in each geographical region. As it was mentioned above, the Regions (NUTS2) in Greece are thirteen (13) in number. However, throughout this study the 2 nd Region (Central Macedonia) was considered without former Greater Thessaloniki and the 9 th Region (Attica) without the former Greater Athens area, while either of these two	
	former major agglomerations was treated as a geographical region.	
	Sample selection schemes	
	 <i>Ist stage of sampling</i> In this stage, from any final stratum, say stratum, primary units were drawn. The number of draws was approximately proportional to the population size of the stratum (number of households according to the last population census of the year 2011). 	
	Each area unit (primary unit) of the stratum has a selection probability proportional to its size. So, if is the number of households (according to the 2011 population census) of the unit in the sample of order , then the probability of being drawn was: (1)	
	The total number of the primary sampling units is 1,360 areas. As in each year the 25% of the sample households is replaced, the new households belong to different primary sampling units.	
	2 nd stage of sampling In this stage from each primary sampling unit (selected area) the sample of ultimate units (households) is selected. Actually, in the second stage we draw a sample of dwellings. However, in most cases, there is one to one relation between household and dwelling. If the selected dwelling consists of one or more households then all of them are interviewed.	
	Let be the number of households during the survey period in the selected area of the stratum. This number comes from an updated list of households. Out of them a systematic sample of households is selected with equal probabilities. All households have the same chance to be included in the survey, equal to:.	

4	The sample size was	determined by calculating the sa	ampling interval as follow	ing	
	(2)	tetermined by eareamening the st	anipmig mortar as follow	<u>ш</u> .Б.	
		es that the estimator of the fina ion in each Region (NUTS2)	l stratum total is self-weig	ghted. Additionally the	
	is equal to 1,0700				
	Sample distribution ov	er time			
		ual, the sample of households is the year 2013 and December 2			
	Month	Date	Number	%	
	May	1 to 10		5.9	
		11 to 20 21 to 31	439 952 1,214	12.8 16.3	
	June	1 to 10		18.8	_
	Juie	11 to 20 21 to 30	1,397 1,180 872	13.3 15.9 11.7	
	December	1 to 10 11 to 20 21 to 31	295 626	4.0 8.4 6.2	
Sampling unit	· ·	ouseholds was selected in two s			unified city blocks)
Sampling unit Sampling rate and ing size	and the ultimate samplin Concerning the SILC im- the actual sample size the achieved sample size the effective sample si rate indicator Given that the effective mainly on the achieved s Sample size and alloc According to the Regula	g units selected in each samplir strument, three different sample which is the number of samplin ize which is the number of obse ize which is defined as the achie sample size has been already to sample size. ation criteria ation (EC) No 1177/2003 Artic	ng area are the households e size definitions can be ap g units selected in the sam rved sampling units (house eved sample size divided b reated in the section dealir le 9, the minimum effectiv	plied: ple shold or individual) with an a y the design effect with reg ng with sampling errors, in the e sample size for Greece is	accepted interview gards to the at-risk-of poverty his section the attention focuse 4.750 households and 9.500
Sampling rate and	and the ultimate samplin Concerning the SILC im- the actual sample size the achieved sample size the effective sample si rate indicator Given that the effective mainly on the achieved s Sample size and alloc According to the Regula	g units selected in each samplir strument, three different sample which is the number of samplin ize which is the number of obse ize which is defined as the achie sample size has been already to sample size. ation criteria ation (EC) No 1177/2003 Artic	ng area are the households e size definitions can be ap g units selected in the sam rved sampling units (house eved sample size divided b reated in the section dealir le 9, the minimum effectiv	plied: ple shold or individual) with an a y the design effect with reg ng with sampling errors, in the e sample size for Greece is	accepted interview gards to the at-risk-of poverty his section the attention focuses 4.750 households and 9.500
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GR23	Dytiki Ellada	641	599
GR24	Sterea Ellada	426	403
GR25	Peloponnisos	488	463
GR30	Attiki	3,234	2,291
GR41	Voreio Aigaio	170	162
GR42	Notio Aigaio	225	184
GR43	Kriti	503	432
Total	Total	8,916	7,439

The 64 addresses that were out of scope of the survey correspond to vacant accommodation, or buildings used as secondary residences or for business purposes, or demolished housing units. Furthermore, 136 addresses were not successfully contacted. Out of the 8,761 addresses successfully contacted, 7,439 households completed the Household questionnaire and were all accepted for the database. This was above the minimum effective sample size (4.750 households) requested by the Regulation (EC) No 1177/2003 Article 9. Thus, the achieved sample size was 7,439 households, 18,030 persons in total and 15,318 persons aged 16 or over. In order to achieve this, the number of households of the new sub-sample selected was 4,674.

The 2012 sample results are shown in the table below:

Distribution of households by 'record of contact at address' (DB120)

	Number of households	%
Total (DB120 =11 to 23)	8,897	100,0
Address contacted (DB120 =11)	8,761	98.5
Address non-contacted (DB120 =21 to 23)	136	1.5
Address cannot be located (DB120 =21)	53	0.6
Address unable to access (DB120 =22)	19	0.2
Address does not exist (DB120 =23)	64	0.7

Distribution of households by 'household questionnaire result' (DB130) and by 'household interview acceptance' (DB135)

	Number of households	%
Total	8,761	100,0
Household questionnaire completed (DB130 =11)	7,439	84.9
Interview not completed (DB130 =21 to 24)	1,322	15.1
Refusal to co-operate (DB130 =21)	528	6.0
Entire household temporarily away (DB130 =22)	714	8.1
Household unable to respond (DB130 =23)	40	0.5
Other reasons(DB130 =24)	40	0.5
Total interview not completed (DB130 =21 to 24)		
Household questionnaire completed (DB135=1+2)	7,439	100,0
Interview accepted for database (DB135=1)	7,439	100,0
Interview rejected (DB135=2)	0	0,0

Achieved sample size

Sample Size and Accepted Interviews

The table below presents the achieved samples of persons aged 16 years and over, as well as of households, within each rotational group.

	Total	R1	R2	R3	R4
Persons 16 years and over	15,491	3,206	6,848	2,668	2,769
Number of accepted personal questionnaires	15,318	3,182	6,739	2,651	2,746
Accepted household interviews	7,439	1,545	3,322	1,255	1,317

Distribution of household members by data status and rotation group

	Total	RB250 =11	RB250 =21	RB250 =22	RB250 =23	RB250 =31	RB250 =32	RB250 =33
Total	15,491	15,318	9	2	27	63	68	4
%	100.0	98.8	0.1	0.0	0.2	0.4	0.4	0.0
	Rotation 1							
Total	3,206	3,182	5	0	2	11	6	0

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	%	100.0	99.3	.2 0.0	0.1	0.3	0.2		0.0
		Rotation 2							
	Total	6,848	6,739	4 2	23	31	45		4
	%	100.0		,1 0,0	0,3		0.7		0.1
		Rotation 3							
	Total	2,668	2,651	0 0	0	10	7		0
	%	100.0	99.3 (.0 0.0	0.0	0.4	0.3		0.0
		Rotation 4							
	Total	2,769	2,746	0 0	2	11	10		0
	%	100.0	99.1 (.0 0.0	0.1	0.4	0.4		0.0
	 31 – person 32 – no cont 33 – informa Substitution No substitut Method of Not applicab Renewal of The survey i years. With 4 replications 	ion procedures were a selection of substitu	ason unknown pplied. ttes roups esign survey. The ist three years of ar is dropped and	survey, any pa a new one is a	ticular replic dded. Betwe	ation remain en year T a	ns in the survey for nd T+1 the sample	4 years. Each years. each years. Each years. Each years. Each years.	ear, one o
		each Rotational Group	for the 2012 surv	ey is shown in	Table below:	R1	R2	R3	R4
	Addresse	s in initial sample							1.351
		s in initial sample	mleted		8,916	1,625	4,676	1,264	1,351
	Househol	d Questionnaire con	-		8,916 7,439	1,625 1,545	4,676 3,322	1,264 1 1,255 1	1,317
2 Frequency of data lection 3 Data collection	Househol Interview ELSTAT co Mode of da	d Questionnaire con s Accepted for datab llects EU-SILC data a ta collection	nnually.		8,916 7,439 7,439	1,625 1,545 1,545	4,676 3,322 3,322	1,264 1 1,255 1 1,255 1	1,317 1,317
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lection	Househol Interview ELSTAT co Mode of da Mostl Mosth specifically f very limited. The followin Distribution Total %	d Questionnaire con s Accepted for datate llects EU-SILC data a ta collection /, paper assisted perso ace-to-face interviews g tables present the dis n of individuals aged Total Total 15,318 100.0 Rotation 1 3,182 100.0 Rotation 2 6,739	nnually. nal interviewing (swith laptops) an stribution of indivi 16 or over by t RB260=1 Face to face interview PAPI 13,118 85.6 2,677 84.2 5,934	tuals aged 16 or pe of intervi RB26 Face to f interv C/	8,916 7,439 7,439 7,439 r,439 7,439 at the has been uses, while the uses, wh	1,625 1,545 1,545 1,545 used. The other use of self ta status and ational grout RB260=3 CATI, telephone interview 530 3.5 138 4.3 96	4,676 3,322 3,322 her techniques use f-administered by d type of interview p RB260=4, Self – administered by respondent 55 0.4 9 0.3 41	1,264 1 1,255 1 1,255 1 1,255 1 are the CAPI (the respondent term) RB260=: Proxy interview 1,149 7.: 22: 7.0 48:	1,317 1,317 1,317 (more chnique i 5 y y y y y 2 2 2

12.4 Data validation

12.5 Data compilation

Total 2,	746 2.240	1			
	,746 2,240	100	171	2	233
% 10	00.0 81.6	3.6	6.2	0.1	8.5

	The mean interview duration				
	The mean interview duration per househol	ld was estimated a	t 59.33 min. The average has been calculated	according to the duration be	ing
	0		f the household interviews plus the sum of the		riews,
		*	d and accepted for database. The time needed	-	
	questionnaires in the computer (PAPI inte other areas at the national level.	rview) has not be	en taken into account. Note that we did not inc	lude additional questions to c	over
	other areas at the national level.				
	Interview duration				
	HB100- Number of minutes to complete	the household au	estionnaire		
		une nousenoiu qu			
	Mean			17.05	
	Maximum			60	
	Minimum			5	
	PB120-Minutes to complete the persona	l questionnaire			
	Mean			19.58	
	Maximum			60	
	Minimum			10	
	Mean of inteview durarion			57.43	
	Data validation				
	Not requested by Reg. 28/2004				
ı	Please find below a description of the	weighting and in	nputation procedures .		
cedure	Design factor	Non-	Adjustment to external data	Final cross	

12.5.1 Weighting procedure					
12.5.1 Weighting procedure	Design factor	Non- response adjustments	Adjustment to external data	Final cross sectional weights	
	For the computation of the sample household design weights and the cross sectional weights of the survey in general, the EC-Eurostat document EU-SILC Doc. 157/05 was used. For the households of the new panel 1 introduced in 2012, which replaced panel 1 introduced in 2008, the household design weight (target variable DB080) is defined as the inverse of its probability of selection. (4) = the number of households in the updated sampling frame (list) in the area (primary unit). = the number of selected households in the area (primary unit). = the sample size of primary units in the stratum. = the selection probability of primary unit. For households in panels 2, 3 and 4 the household design weights are defined by applying the general procedure of EU-SILC Doc. 157/05: • Computation of panel person design weights • Correction for non-response due to attrition • Computation of sub-sample household weights • Computation of sample household design weights	Within each design stratum, the non-response adjustment of the responding households is carried out by the inverse of the response rate, so as to "make up" for non- responding cases in that stratum. Target variable DB080 was adjusted for non-response for the variables DB120 (record of contact at address) and DB130 (household questionnaire result). The corrections were conducted at subsequent steps. The multiplication of DB080 with each one of the two	Adjustment to external data involves the calibration of the household and personal weights in conjunction with external sources (Projections for population and household totals for the year 2012). This method enables the distribution of auxiliary variables, at household and individual level, to coincide with the corresponding population distribution of external data. The auxiliary variables used at household level are the household size , the tenure status and the Region (NUTS 2). Also, at personal level the auxiliary variables used are age groups (five years age groups) and gender. The weights obtained after this procedure of calibration are the household cross- sectional weights (variable: DB090). As all the household questionnaire, DB090 is also the weight of each members reply to the household questionnaire, DB090 is also the weight of each member of the household (variable: RB050). The last step involves the calculation of the personal cross sectional weights for household members aged of 16 and over (variable: PB040). The calibration procedure was applied again using as initial weights variable RB050 and as auxiliary variable the distribution of population aged 16 and over by age (five years age groups) and sex.	The final cross- sectional weights were calculated as described above, i.e. using DB080 after non- response adjustment as the initial weight for new panel and base weights adjusted for non- response due to attrition for older panels. The calibration methods were then applied on the total sample.	

9/	(12/2014		ESS Metadata Handler	r	
			corrections, results in a corrected DB080 weight that is used as initial weight in the calibration procedure referred in the following paragraph.		
	12.5.2 Estimation and imputation	Imputation procedure used In the very few cases where imputation required. Mainly, net income was converted to gross by applying the existing tax system and social insurance contributions rules. Personal refusals were imputed using existing data from previous waves as the starting point.	Imputed rent We calculate the imputed rent using the self assesement method and the stratidication method. With the first method. the respondent provides the figure and the interviewer checks the answer according to the rents prevailing in the specific area. Also, for calculation of the imputed rent we developed the stratification method using the following variables: • Dwelling type (Detached house, Semi-detached or groups of similarly dwellings, Apartment or flat in a building with less than 10 dwellings. Apartment or flat in a building with 10 dwellings or more. Some other kind of accommodation, please specify) • Number of rooms • Tenure status (Owned. Rented. sub- rented with rent at prevailing or market price (Included are cases where rent is recovered from housing benefit). Rented at a reduced price (lower price than the market price). Provided rent-free (from the employer, relatives. etc.)) • For owned dwelling Year of purchase/inhabit main dwelling Monthly Imputed rent for the dwelling (if the household centing a similar dwelling) Approximate range for imputed rent (if the household does not know) Mortgage loan (paid interest) • For dwelling rented with rent lower than the market price Year of sign the rent contract for the main dwelling Rent per month for the main dwelling (if it is provided this reduced price) (approximate range for imputed rent (if the household does not know) • For provided rent-free dwelling (if the household does not know) • For provided rent for the dwelling Monthly Imputed	Company car The benefit for individuals of using a company car for private goals was not directly assessed at the interview but afterwards calculated by applying the depreciation method. According to doc. EU-SILC 130/04 the main idea of the method was to impute to the employee the amount the recipient would have to pay over the reference period to enjoy the same benefit from the use of own vehicle. More specifically: 1 Depreciation = (Purchase prices – selling prices at X) / X. 2 Where X is the average age of a company car. To calculate the "purchase price" and the "selling price". the make. the model the registration year and other characteristics of the car have been used. A list of prices or manufacturer's recommended retal prices have been used. A list of prices have been used for a wide range of new cars. If a specific type of car was not included in the list, the RRP has been available from the manufacturer's website. If a RRP was not available in the country, then it was estimated based on the price of a similar car or the price relative to other cars in the country with the similar pricing structure. The list price included VAT and vehicle registration tax. For calculating the "average age of a company car" an average of 5 has been considered.	
			11	11	

12.6 Adjustment	Adjustment	
	Not requested by Reg.28/2004	

13 Comment	Comment Legal acts and other agreements transmission of data and data availibility
	National questionnaire is available in Circa BC at: https://circabc.europa.eu/. Please select EU SILC section and then select the folder '06 National Questionnaire' in the library list. Additionally under the folder '02 Guidelines' and then under the folder '2.4 2012 Operation Guidelines' you can find information of the 2012 Ad-hoc Module variables.

Related metadata

Annexes	Description
Time series.xls	Indicators
HOUSEHOLD QUESTIONNAIRE.pdf	Questionnaires
HOUSEHOLD REGISTER.pdf	Questionnaires
MEMBERS REGISTER.pdf	Questionnaires
PERSONAL QUESTIONNAIRE.pdf	Questionnaires
Euro-SDMX metadata structure (ESMS).pdf	M etadata Structure
Ad hoc module_WELL BEEING.pdf	Questionnaires