European
Social
Survey

ESS10 2020 Data Protocol

Edition 1.7 May 2022

Sikt

Introduction

The object of the ESS10 2020 Data Protocol is to offer a comprehensive document with specifications and procedures to be used in the production of national ESS data files. The underlying principle is that resources put into the planning phase of an international survey result in national data of higher quality and standardisation, which in turn will advance the release of the integrated (official ESS10 2020) data files from the ESS website, www.europeansocialsurvey.org.

In general, the Data Protocol gives specifications for the coding of data, the production and delivery of data files and other deliverables. Some of the specifications, for example coding standards, are found elsewhere on the ESS10 NC Intranet (myESS), https://ess.nsd.no/portal/intranet/Survey_guidelines.

The Data Protocol defines what the National Teams are required to deposit to the ESS Archive. If the content and quality of the deliverables do not adhere to the specifications in the Data Protocol and the ESS10 NC Intranet, the archive reserves the right to ask for new deliverables.

Please read all sections of this Data Protocol. The first section A describes how the communication between the archive and the data providers is organised.

Section B, "Deliverables", gives an overview of the files and documents the National Teams are asked to deliver to the archive. Section B does also describe the more practical issues concerning data delivery, as well as instructions on minimum requirements for disclosure risk assessment. Please pay special attention to sections B4, B5 and B6 all concerning reducing disclosure risk.

Section C of the Data Protocol deals with "principles of variable definitions". This section gives detailed information on the usage of missing values, how multiple responses are dealt with, as well as the rationale behind variable names, labels and categories. Please pay special attention to the coding of "Refusals" in section C1.

The use of international coding standards and classifications is described in section D. To avoid the use of different versions of the same international standards across countries, the National Teams are required to use the versions of the standards made available from the ESS10 NC Intranet.

Special variable topics like country-specific variables and administrative variables (including contact form data) are listed, explained and specified in section E, whereas section F contains tables of variable names and definitions for all data files. Section F5 contains a flowchart documenting the routings in the ESS core questionnaire.

Section G refers to programmes for applying labels, categories, and formats in SPSS and SAS. The programmes will be made available from the ESS10 NC Intranet.

Information about National Technical Summaries (NTS) is found in section H of the Data Protocol.

The National Teams will be informed by e-mail when the Data Protocol and the ESS10 NC Intranet are updated.

ESS Data Team at NSD (essdata@nsd.no)

Content

Changes from previous editions

Changes from edition 1.6

Changes in section F Variable definitions and flowcharts:
- **bcdate2:** Change in routing instruction.
- **CFC3a (modeapN)**: A third category "Telephone" added due to covid related circumstances.

Changes from edition 1.5

Changes in section B1 Deliverables to NSD: Added Google Form as recommended file format for main NTS. Removed pdf form as recommended file format for appendices, as this doesn't exist. Removed ancestry from list of appendices.

Changes in section F Variable definitions and flowcharts:
- **G20 (c19spo12):** format changed to F2.
- **G21 (c19mco12):** format F1 added.
- **G32 (c19sppnt):** format changed to F2.
- **G33 (c19mcpnt):** format F1 added.
- **G59 (c19spwrk):** format changed to F2.
- **Rersc4_1 to rersc4_5:** removed.
- **F17a:** Change in routing instructions (flowchart)
- **F17c:** Change in routing instructions (flowchart)
- **F45c:** Change in routing instructions (flowchart)

Changes from edition 1.4

Changes in section B4.2 File 1 data from the Main questionnaire including administrative variables and B5.2. File 5: Raw data: Specification added that the CRONOS recruitment module is not part of the ESS10 deliverables.

Changes from edition 1.3

Changes in section B4 Data for publication on the ESS Website, files 1, 2, 3 and E1.4 Region: Wording changed to reflect that anonymous data cannot be guaranteed, but that every effort to avoid identification of respondents should be made.

Changes from edition 1.2

Changes in section E1.1 Naming and use of suffix: Naming requirement of country specific variables changed.
Changes in section E1.4 Region: Georgia added to table E.2.
Changes in section F Variable definitions and flowcharts:
- **G20 (c19spo12):** response option 55 added, missing codes changed to 2 digits (66,77,88,99).
- **G32 (c19sppnt):** response option 55 added, missing codes changed to 2 digits (66,77,88,99).
- **G43 (c19whacc):** response option 33 added.

- **G59 (c19spwrk):** response option 55 added, missing codes changed to 2 digits (66,77,88,99).
- **V4 (vdtpvire):** multi response option added.
- **J6c (vdtpviin):** multi response option added.

Changes from edition 1.1

Changes in section F Variable definitions and flowcharts:
- **K20check (icvacc19):** Change in routing instruction (applicable to Slovenia only).
- **K20a (getavc19):** Change in routing instruction.
- **K20b (getnvc19):** Change in routing instruction (applicable to Slovenia only).

Changes from edition 1.0

Changes in section C2: Multiple response item K19 added (optional COVID19 module).
Changes in section E: Chapter E5 Optional module on COVID19 pandemic added.
Changes in section F Variable definitions and flowcharts:
- **B12a (trstsci):** Question added as part of optional ESS10 COVID19 module.
- **K1 (secgrdec) to K20b (getnvc19):** Variable definitions for optional ESS10 COVID19 module added.
- **(kinwe):** new timestamp variable added as part of optional ESS10 COVID19 module.

Main changes from the ESS round 9 Data Protocol

B1 Deliverables to NSD, overview.
In ESS10, parents' occupation (POCC) data is no longer a deliverable.

F1 Variable definitions in data file 1, Main questionnaire.
In ESS10, a new module with video interview questions (section V) has been included.

The series of timestamps (table F.1j) have been amended.

F3 Variable definitions in data file 3, Contact forms, Idno and Cntry.
In ESS10, a battery of back-check items has been added to the contact form file specifications.
Further, new variables covering video-interviews have been added.

F5 Flowchart of the routings in the ESS Main questionnaire.
In ESS10, flowcharts for rotating modules have been omitted.

F6 Flowchart of the routings in the ESS Contact forms
Contact form flowchart has been omitted from first edition of the ESS10 Data Protocol, but will be included in later editions.

A. Procedures for the collaboration between the National Teams and NSD

The ESS10 NC Intranet (myESS)

The ESS10 NC Intranet at https://ess.nsd.no/portal/intranet/Survey_guidelines will be the central meeting place between NSD and the National Teams during the data preparation, delivery and processing phases of the project. One purpose of the ESS10 NC Intranet is to give all parties in the project easy access to the common set of tools and utilities that are used in the planning and production of the data files. Another purpose is to make the data processing at NSD as transparent as possible. The ESS10 NC Intranet also provides secure transfer of possibly indirectly identifiable data from the National Teams to the Archive. By using the ESS10 NC Intranet, the National Teams can control their data delivery, and audit NSD's data processing. The new NC intranet, which is an integral part of the myESS portal introduced in this round, will also constitute the main communiaction platform between the national teams and the archive.

The ESS team at NSD and primary contact persons

The responsibility for the ESS round 10 data at NSD is shared by a team of persons who are trained in the processing of comparative survey data. Each ESS country will be assigned a primary contact person from the ESS team at NSD. This person will have the main responsibility for the production of the country's data files. All communication and collaboration with the NSD team will be conducted through the myESS country workspace. Even if the national teams will have a designated contact person at NSD, all members of the ESS team at NSD will have access to the country work spaces, ensuring that your queries are read even if your contact person is out of office. In the unlikely event that the ESS10 NC Intranet/myESS workspace is unaccessible, the NSD team can be reached by project email address essdata@nsd.no. When you send emails to your contact person, please address them to the project email address. This will ensure that your emails are read even if your contact person is out of office.

Consultation processes

Prior to the fieldwork period, consultation processes have been initiated on the measures of partnership status (relationship status and legal marital status), education, religion, income and ancestry. The National Teams are asked to answer specific queries regarding coding templates well in advance of the start of the fieldwork. The purpose of the consultation process is to improve data quality, as well as ease the data processing burden post-fieldwork. The outcome of these consultation processes will be made available from the country workspaces on myESS.

Data deposit

When deliverables (see section B) are ready for delivery to the archive, the National Teams are required to use the "Deposit data" option on the myESS portal. When the transfer is successfully completed, the NSD team will automatically be notified by the system. NSD will shortly after get in touch with the National Teams confirming the delivery.

Data processing

The "Archive processing" option on the ESS10 NC Intranet gives the National Teams access to the data processing catalogue of their country. All programmes, data files and output used in the processing will be available for download, making the archive's work as transparent as possible. The production and cleaning of data will be based on a dialogue between NSD and the National Teams. Whenever the processing involves decisions not specified in the standard procedures, the National Team will be notified and asked for advice. Processing will be done in two main steps, each followed by a report documenting the results.

Please be aware that if (parts of) the data files or documentation deviate too much from the specifications in the Data Protocol, the National Team might be asked to make a new delivery containing corrected data and/or documentation.

Data validation
When the processing of data is completed, the National Team will be notified and asked to go through NSD's data processing report and drafts of the country's data files for validation. Only when the processing and the draft file have been approved by the National Team can the files be finalised and included in the integrated files.

Please be aware that the draft file from NSD will be a trial dataset made available in confidence for the National Coordinator, so that preliminary analyses may be undertaken as a means of 'testing' the data in advance of their widespread distribution. The file should be available only to persons who have been registered by the CST as members of the National Coordinator's team.

B. Deliverables

The deadline for submitting **all** deliverables (data and documentation files) to the archive is **SEPTEMBER 30th 2021.**

The National Teams are required to use the ESS10 NC Intranet to deposit their files. The NC Intranet provides secure transfer of all data, thus ensuring that possible indirectly identifiable data are both transferred and stored according to national and EU regulations. All national data files that arrive fully documented and in adherence with the specifications of the Data Protocol, within the deadline, will be included in the first release of the integrated data file in April 2022. The processing of various country data arriving after the deadline will be executed on a "first come first served basis".

If the content and quality of the deliverables do not adhere to the specification in the Data Protocol and the standards available from the ESS10 NC Intranet, the Archive reserves the right to ask for new deliverables.

B1. Deliverables to NSD
The deliverables to NSD include data files as well as text files documenting the national survey. The data files should be delivered with variable names, labels and categories as specified in the ESS10 Data Protocol (see section F and G).

Deliverables	Possible file formats	Comment
Data files		
1. Main questionnaire, including administrative variables (MS). 2. Interviewer questionnaire (I) 3. Contact form (CF)	• SPSS system file • SPSS portable file • SPSS set up, reading data file • SAS system file, Windows • SAS portable file • SAS set up, reading data file	See sections F1 – F3 and G in Data Protocol, and "Data Protocol and variable definitions" under *Prepare data* on the ESS10 NC Intranet for specifications of files
4. Sample design data file (SDDF)		See section B5.1 and F4
5. Raw data		See section B5.2 for specification of file
6. Verbatim recorded answers		See section B5.3 for specification of file
7. Verbatim recorded Ancestry		See section B5.4 for specification of file
Documents		
8. National Technical Summary (NTS), including appendices (education, income, political parties, marital and relationship status)	• Google Form (recommended for main NTS) • Word Processing Format	See section H in Data Protocol and "Survey documentation" on the ESS10 NC Intranet
9. Population statistics	• Excel or other spreadsheet format	
10. Main questionnaire 11. Interviewer questionnaire 12. Contact form 13. Show cards 14. Interviewer and fieldwork instructions 15. Interviewer training material 16. Advance letters, brochure containing the obligatory data protection statement and other written information to the respondents	• Word Processing Format • PDF	In all languages fielded in the country Please compile the show cards in one file (one file for each language fielded in the country)
17. CAPI programs/questionnaire	• Word Processing Format • PDF • TXT	Can be delivered as either a syntax or a questionnaire generated by the CAPI software

B2. Common identifiers in data files

The files deposited to NSD should be prepared for merging, therefore all files must have common identifiers, i.e. respondents' identification number and country code (see section E2). Please make sure that the identification numbers are consistent across all data files.

B3. Checking data

The National Teams are asked to check and edit the data with respect to uniqueness and consistency of identification number(s), wild codes and data consistency. The final wild code checking should be done after the Data Protocol variable names, labels and categories have been applied to the national data files (see section G).

The minimum requirement is that all data verification and editing depending on access to CAPI files must be done prior to delivering the data to the ESS Archive.

As a final check when the National Teams have received the draft file from NSD, we ask the teams to compare the frequency distributions in the draft file with those of the original data file as generated from the CAPI programmes.

The National Teams are asked to supply information about the coding and cleaning procedures in the National Technical Summaries (see section H).

B4. Data for publication on the ESS Website, files 1, 2, 3

B4.1 Disclosure risk assessment

In accordance with the information provided to ESS respondents, every effort should be made to ensure that no participant is identifiable in the publicly available data. Hence, before depositing data to NSD, each National Team is responsible for removing variables that can lead to the identification of individuals in the published data. This applies to the freely distributed data files (Main questionnaire, Interviewer questionnaire and Contact form). The National Teams will be asked to confirm in their National Technical Summary (NTS) that all data that will be made publicly available to users has been checked and edited with the aim to avoid identifiable information. Sections B4.2-B4.4 describe a set of minimum requirements that all countries must follow to reduce disclosure risk. In addition, the ESS Round 10 Anonymisation Guide provides further guidance on how to assess and minimise disclosure risk.

The checking of disclosure risk has to be done under the premise that the freely distributed data files MS, I and CF will be merged. The SDDFs will only be released if they don't increase the risk of respondent identification in combination with these files.

B4.2 File 1 data from the Main questionnaire including administrative variables

Even if all direct individual identifiers are removed, the main dataset contains a lot of factual information about the respondent. Combining demographic variables such as ancestry, country of birth, language spoken at home, household composition (size, age), religion, occupation, level of education, age, and NUTS region might cause to reveal the identity of a respondent. In particular outliers are in the risk zone of being unique in their characteristics and thus identifiable. The disclosure risk will, however, depend on the population size and other characteristics of the country. Disclosure risk must therefore be assessed at a country and regional level by each National Team.

A group of minimum requirements is set down by the Core Scientific Team of the ESS (CST) that all countries must follow to reduce the disclosure risk.

The National Teams are as a <u>minimum</u> required to perform the following precautions:

    a. IDNO - Respondent identification number: The number must not contain characteristics of the respondent, for instance by reference to a geographical area.

    b. YRBRN, YRBRN2-YRBRNn – Year of birth respondent and 2nd to n-th person in household: Year of birth must be recoded for the upper age groups as following: YRBRN<=1930 coded to 1930 for countries starting fieldwork in 2020. YRBRN<=1931 coded to 1931 for countries starting fieldwork in 2021.

    c. REGIONxx - Region (country-specific variable): the categories of the variable should cover areas of large populations to minimise disclosure risk, and be in accordance with the requirements specified in section E1.4.

    d. Ancestry (ANCTRY1, ANCTRY2), country of birth (CNTBRTHD), father's country of birth (FBRNCNTC) and mother's country of birth (MBRNCNTC), and language most often spoken at home (LNGHOM1, LNGHOM2) must all be assessed with respect to disclosure risk comparing frequencies and cross tabulations with population statistics at a national and regional level. It is strongly recommended that country of birth (CNTBRTHD) and country of birth of parents (FBRNCNTC, MBRNCNTC) are assessed together since they might represent combination of minority groups.

    e. Household size (HHMMB) and year of birth of household members (YRBRN2-N) should be assessed for outliers.

In addition to the minimum requirements listed above (a-e), National Teams are encouraged to also assess disclosure risks with respect to other variables, for example four-digit occupation codes. Countries already performing more extensive checks should of course continue to do so.

When editing variables with the aim to avoid disclosure risk, it is recommended to use the following procedures. Some standard precautions should be taken to ensure that the ESS data files embody as much information as possible but still comply with the requirements to make every effort to ensure that respondents cannot be identified.

Winsorization (limit extreme values, relevant for all the numeric background variables)
Aggregation (group data together, e.g. exact country of birth grouped into world regions)
Rounding (replacing value with a less precise and simpler value)
Substitution (replace data, e.g. switch from one country of birth to another, similar one)
Cell suppression (remove data by recoding to "no answer")

Data from CRONOS-2 recruitment questions are not part of the ESS10 main deliverables, but part of the CRONOS-2 deliverables. This deliverable is defined in a separate CRONOS-2 protocol.

B4.3 File 2 data from the Interviewer's questionnaire

Minimum requirements to reduce disclosure risk:

    a.   IDNO - Respondent identification number: The number must not contain characteristics of the respondent, for instance by reference to a geographical area.

    b.   INTNUM - Interviewer identification number: if the number contains characteristics of the interviewer, for instance by reference to a geographical area replace the number before deposit.

           Further, please ensure that the INTNUMs are not the same as in previous ESS rounds or used in other surveys of the fieldwork organisation.

B4.4 File 3 data from the Contact forms

Minimum requirements to reduce disclosure risk:

    a.   IDNO - Respondent identification number: The number must not contain characteristics of the respondent, for instance by reference to a geographical area.

    b.   INTNUM1-3 - Interviewer identification number: if the number contains characteristics of the interviewer, for instance by reference to a geographical area replace the number before deposit.

           Further, please ensure that the INTNUMs are not the same as in previous ESS rounds or used in other surveys of the fieldwork organisation.

B5. Indirectly identifiable data, files 4, 5, 6, and 7

The SDDF data, raw data and other verbatim recorded answers can – in combination with interview data – contain indirectly identifiable information.

In recognition of the large amount of resources put into the collection of the ESS data, it is required that the participating countries deposit raw, unedited data and verbatim recorded answers to the ESS Archive.

The indirectly identifiable data must be deposited to the Archive from the ESS10 NC Intranet on weekdays Monday to Friday before 14.00 CET. This is to ensure that the Archive is able to encrypt and move the data to a restricted secure area on the same day as the data have been deposited.

The raw data and sample design data will not be released to the public from the ESS website, but will be stored in a safe environment in accordance with the Data Processing Agreement between the ESS ERIC and the ESS Archive (NSD).

B5.1. File 4: Sample design data files (SDDF)

The ESS Sampling and Weighting Expert Panel (SWEP) is responsible for the specifications and processing of the sample design data files (SDDF), and the co-operation will be organised directly between the National Team and their contact person in the SWEP. The deposit of SDDF is mandatory. The ESS round 10 data deposit will not be regarded as complete without this file. NSD treats the SDDF data as non-anonymous.

B5.2. File 5: Raw data

In addition to the assessed and processed data files, the raw data to all questions in the main questionnaire are to be uploaded to the ESS10 NC Intranet. By raw data we mean data as they were keyed in your CAPI system. Verbatim recorded answers should be included in this file. The

preferred file formats for keyed raw data will be the same as for files 1 to 4. The files must contain the variable IDNO "RESPONDENT'S IDENTIFICATION NUMBER". NSD treats raw data as non-anonymous.

Data from CRONOS-2 recruitment questions are not part of the ESS10 main deliverables, and raw data from the R-module are thus not to be included in the ESS10 raw data files to the ESS Archive.

B5.3 File 6: Verbatim recorded answers

All verbatim recorded answers are to be deposited as a separate file to the ESS10 NC Intranet. In addition to being present in the raw data file, the verbatim recorded answers should be deposited as a separate file. For ESS round 10 this includes answers to questions C22 (Country of birth), C24 (First and possible second language spoken at home), C27 (Father's country of birth), C29 (Mother's country of birth), F31 Industry (NACER2), F33 (Job title), F34 (Job description), F34a (Required qualifications), F47 (Partner's job title), F48 (Partner's job description), and F49 (Partner's required qualifications). Please use the ESS source question numbers as variable names

The file can have different formats, preferably SPSS or SAS, but delimited text files or spreadsheets can also be used. The files must contain, in addition to the verbatim variables, the variables IDNO "RESPONDENT'S IDENTIFICATION NUMBER" and CNTRY "COUNTRY". The verbatim recorded answers might be indirectly identifiable and thus non-anonymous.

B5.4. File 7: Verbatim recorded Ancestry

In connection with measuring ancestry (F59), we request that the verbatim recorded answers in the "other" category are deposited as a separate variable. This will be used by the CST in the quality control of the item and to determine if the country specific showcards should be revised in future rounds.

The file can have different formats, preferably SPSS or SAS, but delimited text files or spreadsheets can also be used. The files must contain, in addition to the verbatim variables, the variables IDNO "RESPONDENT'S IDENTIFICATION NUMBER" and CNTRY "COUNTRY". The verbatim recorded answers might be indirectly identifiable and thus non-anonymous.

B6. Deletion of contact information

Once a country's data has been published the survey agency is required to delete the names and all contact details for respondents and non-respondents.

Survey agencies will be required to confirm to the ESS ERIC Controller they have done this in writing within 10 days of the data being published.

C. Principles of variable definitions

C1. Missing values
Analysis of item non-response is an important part of quality control of survey items, and consistent use of missing values in the questionnaire and other documentation ensures uniform coding of skips in the interview. The aim is that the ESS data files will contain detailed information on item non-response.

The missing values in the data files are defined in the following way:

Not applicable: 6, 66, 666 etc., where the respondent has been routed away from the question. This missing value might be coded in the national data files before deposit, but the coding will be overwritten by standardised procedures at NSD.

Refusals: 7, 77, 777 etc., where the respondent has explicitly refused. These codes are almost always available. They can be included in the list of answering options presented to the interviewers, or placed in administrative columns, menus etc., depending on the routines of the survey organisation.

Important notice:
Note that in most filters, "Refusals" (7, 77, 777 etc) are routed the same way as "Don't knows" (8, 88, 888 etc), the exceptions being filter variables F53 (EMPRF14), F56 (EMPRM14), G11a (GNDRO12A), G11b (GNDRO12B) and G23 (PNTMOFA).

Don't know: 8, 88, 888 etc. These codes are almost always available. They can be included in the list of answering options presented to the interviewers, or placed in administrative columns, menus etc., depending on the routines of the survey organisation.

No answer: 9, 99, 999 etc. are codes for missing data not elsewhere explained, for example respondent/interviewer errors and production/system errors. This missing value might be coded in the national data files before deposit, but the coding will be overwritten by standardised procedures at NSD. For administrative variables, 9, 99, 999 etc. are labelled "Not available".

C2. Multiple responses and missing values
In general, we think of multiple response as the result of a "mark all that apply" question, or "mention all that you think of" in open-ended questions. Examples of multiple response questions are "In which countries have you been on holiday during the last five years?" (open) and "Here is a list of voluntary organisations. Please tell me which of these organisations you are a member of" (closed).

In the ESS round 10 data files, multiple response variables will have binary values 0 "Not marked" and 1 "Marked". Each group of multiple response variables will have one or more additional dichotomous variables for missing values.

One example is question F45a about what partner has been doing last 7 days, which results in the variables PDWRKP, EDCTNP, UEMPLAP, UEMPLIP, DSBLDP, RTRDP, CMSRVP, HSWRKP, DNGOTHP, DNGDKP (Don't know) and DNGREFP (Refusal). In addition, DNGNAPP (Not applicable) and DNGNAP (No answer) will be included in the data file. DNGNAPP and DNGNAP will be overwritten by standardised procedures at NSD, but can either be coded, or assigned the value 0 (zero) or system missing in the national data files. In countries where CMSRVP is not applicable, the variable should be assigned the value 0 (zero) or system missing.

If the respondent does not have a partner, all variables will be assigned the value 0, except DNGNAPP (DOING LAST 7 DAYS, PARTNER: NOT APPLICABLE), which will be assigned the value 1. Correspondingly, if the respondent refuses to answer the question, DNGREFP should be coded as 1, the rest 0.

The following questions and variables are defined as multiple responses in the ESS round 10 questionnaires. Please ensure that the PROBE/PROMPT/"Code all that apply" instructions to the interviewers are included in the questionnaire.

C19:
DSCRRCE - DSCRNA
F17a:
PDWRK - DNGNA
F45a:
PDWRKP – DNGNAP
G1:
ACCHOME – ACCNA
K19 (if module is included):
HAPLJC19- HAPNAC19
J6:
PREWHP – PRENA

If not applicable, **F17a:** CMSRV "DOING LAST 7 DAYS: COMMUNITY OR MILITARY SERVICE" and **F45a:** CMSRVP "PARTNER DOING LAST 7 DAYS: COMMUNITY OR MILITARY SERVICE" should be assigned the value 0 (zero) or system missing.

C3. Formats
The formats of variables are defined in the tables in section F. All numeric variables in the ESS round 10 core data files have the formats Fn.0, i.e. they are of width n and with no decimals. String variables have the formats An, with "n" assigning the number of characters.

The missing values often decide the format. If a routed variable has a scale from 1 to 5, there is room for "Not applicable" in value 6, and the variable will have the format F1. If the scale goes up to 6, the missing values have to begin at 66, and the format changes to F2.

C4. Variable names
The principles of variable definitions are bound by two factors: the limitations in statistical packages and the concern for user-friendly metadata. These factors limit the length of variable documentation included in the data files.

The CST has decided to use *mnemonic* variable names in the data files. The argument is that about half of the questionnaire (the Core) is replicated in all rounds of the ESS, and that several rotating modules are replicated. By using mnemonic variable names, different data files contain the same variable names for identical questions, making it easier for the users as well as the producers of cumulative files for several ESS rounds.

To ensure consistency in variable names, NSD has set up an internal guideline for abbreviations of frequently used concepts and words in questionnaires. The table below gives one example:

Concept	Abbreviation
Police	PLC
:	:
Trust	TRST/TST

Thus, question B8, "Trust in the police" becomes TRSTPLC.

In many statistical packages and portable files, the upper limit of variable names is eight characters. In order to allow for versions of a variable, the limit in ESS is normally seven characters, leaving space for documenting new versions of the variable with characters (A, B, C, etc.) as suffix. For example, between ESS round 1 and 2 the variable WRKCTR "Employment contract unlimited or limited duration" was changed to WRKCTRA, due to a new category that was added.

C5. Variable labels and categories

The most commonly used statistical packages allow for up to 255 characters in variable labels, but in the ESS data files variable labels will be limited to approximately 70 characters. One reason is that the user should be able to grasp the content "in one glance"; another reason is the formatting of outputs from the statistical packages.

For the same reasons, categories (value labels) are limited to approximately 40 characters.

D. Standards and classifications

The ESS10 NC Intranet at https://ess.nsd.no/portal/intranet/Survey_guidelines contains all coding standards and coding frames not documented in the source questionnaire or in the ESS10 2020 Data Protocol. All verbatim recorded answers have to be post-coded according to international standards found on the ESS10 NC Intranet. In addition, some variables with country-specific design and categories have to be recoded into a common ESS coding frame.

The coding frames available on the ESS10 NC Intranet are compiled for use in the ESS round 10. They will remain fixed for the ESS round 10 survey, and they are to be considered as the *only valid standards* to be used.

D1. International standards
International standards have to be used in the post-coding of certain variables:

D1.1 ISO 3166-1, Country
C22: CNTBRTHD "COUNTRY OF BIRTH"
C27: FBRNCNTC "COUNTRY OF BIRTH, FATHER"
C29: MBRNCNTC "COUNTRY OF BIRTH, MOTHER"
Format: A4
Comment: Standard also used in ESS9. The documents for download from the ESS10 NC Intranet also includes eight transitional code elements added by NSD: "1000" for DDR, "2000" for USSR, "3000" for Czechoslovakia, "4000" for Yugoslavia, "5000" for East Timor, "6000" for Serbia and Montenegro, "6500" for Alien's passport and "XK" for Kosovo (temporary code under UN Security Council resolution 1244/99).

D1.2 ISO 639-2, Language
C24: LNGHOM1 "LANGUAGE MOST OFTEN SPOKEN AT HOME: FIRST MENTIONED"
    LNGHOM2 "LANGUAGE MOST OFTEN SPOKEN AT HOME: SECOND MENTIONED"
J7:   INTLNGA "INTERVIEW QUESTIONNAIRE LANGUAGE"
Format: A3
Comment: Standard also used in ESS9. To simplify the coding of variable C24, the most common language(s) in a country can be listed for each of the two items, and if necessary be recoded into the three-character ISO 639-2.

D1.3 ISCO08, Occupation
F33—F34a: ISCO08 "OCCUPATION, ISCO08"
F47-F49: ISCO08P "OCCUPATION PARTNER, ISCO08"
Format: F5 (4-digit coding of occupations, missing values having the format F5)
Comment: Standard also used in ESS9. The ESS round 10 questionnaire includes three variables to be used in the post-coding of occupation: title, description of work and qualifications needed (F33-F34a resulting in ISCO08 for respondent, F47-F49 resulting in ISCO08P for partner). In addition, it may be helpful to use F31 (NACER2) in the post-coding of respondent's occupation, especially in major groups 2, 7 and 8, where information about industry assists in specifying the fourth ISCO digit.
Notes: Please use the ISCO-08 manual, ISCO-08 Volume I book ("International Standard Classification of Occupations: Structure, group definitions and correspondence tables") available from the ESS10 NC Intranet website:

https://ess.nsd.no/portal/intranet/Survey_guidelines (Prepare data > Post coding standards > Occupation).

It is particularly important to pay special attention to Part I section 2 "Conceptual framework, design, structure and content of ISCO-08" as well as Part 1 section 3 "Major changes between ISCO-88 and ISCO-08".

Every country must ensure that any use of a national coding frame and transition table comply with the ISCO-08 as it is provided on the ESS10 NC Intranet. The data dictionaries containing the value labels/formats described in section G can be used to check for compliance with the standard.

The ISCO standard includes codes on 1, 2, 3 and 4 digit levels, while the variables in the data file should have categories on four-digit level only (except Armed forces). Where no distinction is made below the level of major, sub-major or minor group, a corresponding four-digit category should be achieved by the addition of trailing zeros. The exception is Armed forces (Major group 0), where maximum number of digits is three as the first digit in a numerical variable cannot be zero.
For example if occupation is registered as 11 "Chief Executives, Senior Officials and Legislators" the value in the data file should be 1100. However if occupation is registered as 011 "Commissioned Armed Forces Officers", the value in the data file should be 110.

D1.4 NACE Rev.2 (2-digit version), Industry

F31: NACER2 "INDUSTRY, NACE REV.2"

Format: F3 (2-digit coding of industry, missing values having the format F3)

Comment: Standard also used in ESS9.

Notes: For a detailed description of NACE Rev.2, please see "NACE Rev.2 – Statistical Classification of Economic Activity", available at the ESS10 NC Intranet (Prepare data > Post coding standards > Industry).

D2. ESS Coding frames

Common ESS coding frames apply to the following questions:

D2.1 ESS Coding frame - Religion

C12: RLGDNM "RELIGION OR DENOMINATION BELONGING TO AT PRESENT"

C14: RLGDNME "RELIGION OR DENOMINATION BELONGING TO IN THE PAST"

Comment: Coding frame also used in ESS9. See ESS10 NC Intranet. There will be a consultation process on the religion measure in Round 10 well in advance of the fieldwork period, where the National Teams are asked to review the religion measure used in ESS9. Please use the coding and mapping agreed upon with the archive in the consultation process. If a country-specific instrument is used, the country-specific variables, as well as the harmonised variables (RLGDNM/RLGDNME), should be deposited.

D2.2 ESS Coding frame – Education

F15: EDULVLB "HIGHEST LEVEL OF EDUCATION"
    [EISCED "HIGHEST LEVEL OF EDUCATION, ES - ISCED"]

Comment: Coding frame also used in ESS9. In ESS5 the coding frame for educational attainment was changed to a more detailed ISCED based coding frame, and all participating countries were involved in a consultation process where new measures were developed. As in round 9, a short consultation process will also be held in round 10. For most countries that took part in ESS9, the coding and mapping agreed upon then should also be used in round 10. For some countries minor amendments might be needed.

For new countries and returning countries that did not take part in either ESS5, ESS6, ESS7, ESS8 or ESS9, NSD and the ESS team at City University, London will arrange a consultation process to help the National Teams in the category set-up and bridging of the new measures. Silke Schneider, GESIS Mannheim, will act as an external expert to ensure a correct mapping from national variables into the new measures.

For an overview of the educational measures in ESS round 10, please see section E1.3.

Notes: Additional information about the educational measures in ESS round 10 is available in section E1.3 and table F1.f in the ESS10 Data Protocol.

F44: EDULVLPB "PARTNER'S HIGHEST LEVEL OF EDUCATION"
     [EISCEDP "PARTNER'S HIGHEST LEVEL OF EDUCATION, ES - ISCED"]
F52: EDULVLFB "FATHER'S HIGHEST LEVEL OF EDUCATION"
     [EISCEDF "FATHER'S HIGHEST LEVEL OF EDUCATION, ES - ISCED"]
F55: EDULVLMB "MOTHER'S HIGHEST LEVEL OF EDUCATION"
     [EISCEDM "MOTHER'S HIGHEST LEVEL OF EDUCATION, ES - ISCED"]
Comment: Unless otherwise is agreed, the same instruments, bridging and variables as for the respondent should be produced for partner, father and mother.

D2.3 ESS Coding frame – Ancestry; The European Standard Classification of Cultural and Ethnic Groups (ESCEG)

F59: ANCTRY1 "FIRST ANCESTRY, EUROPEAN STANDARD CLASSIFICATION OF CULTURAL AND ETHNIC GROUPS"

ANCTRY2 "SECOND ANCESTRY, EUROPEAN STANDARD CLASSIFICATION OF CULTURAL AND ETHNIC GROUPS"

Format: F6 (5-digit coding of ancestry, missing values having the format F6)

Please note the following when it comes to post-coding the country-specific variables into the harmonised version of the ancestry variables:

1. If an interviewer has assigned a respondent the code "555555" i.e. "No second ancestry" at the second ancestry variable, this code should be retained in the version of the variables deposited.

2. Responses coded to a specific category on the country-specific showcard should be post-coded to the ESCEG using the mapping agreed upon during the pre-fieldwork consultation. Signed-off mappings will be available on the ESS10 Intranet following the consultation.

3. For the harmonised variables, "Other" responses to the country-specific variables need to be post-coded into the ESCEG based on the verbatim answers recorded. Please code each case as completely as possible, assigning codes with trailing zeros or ending in 9 (nec) only where no other possibility is available.

4. It should be possible to code all meaningful verbatim responses into the ESCEG. Further guidance on how this should be done is provided in Appendix 3 of the ESS10 Ancestry Consultation Guidelines, available on the ESS10 NC Intranet. If you cannot identify a suitable code or are unsure of how to code a particular verbatim response please contact the team at ESS ERIC HQ (ess@city.ac.uk) who will be happy to advise.

5. In rare instances where the verbatim answer is insufficient for an "Other" response to be post-coded to a specific category within the ESCEG, the code "444444" should be used.

Comment: Updated version in ESS10. The main changes to the ESCEG from ESS9 are summarised in the version notes for the European Standard Classification of Cultural and Ethnic Groups, included in the ancestry coding documents available for download from the ESS10 NC Intranet (Prepare data > Post coding standards > Ancestry).

Notes: The item is designed to provide additional information on the respondent's socio-cultural origins beyond the existing questions (in section C) on respondent/parent country of birth or whether the respondents consider themselves to be a member of an ethnic minority.

Additional information about the ancestry measures in round 10 is available in section E1.7 and table F1.f in the ESS10 Data Protocol.

E. Special variable topics

E1. Country-specific variables and measures

E1.1 Naming and use of suffix

Country-specific variables are marked with the suffix xx in the variable name. The xx suffix in the variable name will be substituted by the two-character country code of ISO 3166-1 during data processing at the ESS Data Archive. Country-specific variables in ESS10 are:

> PRTVTxx (B14), (PRTVxx1- PRTVxxN if more than one national election)
> PRTCLxx (B24)
> RLGDNxx (C12), RLGDExx (C14)
> EDLVDxx (F15), EDLVPDxx (F44), EDLVFDxx (F52), EDLVMDxx (F55)
> ANC1xx, ANC2xx (F59)
> REGIONxx

Table E1. Country codes for countries having participated in the ESS:

Country	Code	Country	Code
Albania	AL	Latvia	LV
Austria	AT	Lithuania	LT
Belgium	BE	Luxembourg	LU
Bulgaria	BG	Montenegro	ME
Croatia	HR	Netherland	NL
Cyprus	CY	North Macedonia	MK
Czech Republic	CZ	Norway	NO
Denmark	DK	Poland	PL
Estonia	EE	Portugal	PT
Finland	FI	Romania	RO
France	FR	Russian Federation	RU
Georgia	GE	Serbia	RS
Germany	DE	Slovakia	SK
Greece	GR	Slovenia	SI
Hungary	HU	Spain	ES
Iceland	IS	Sweden	SE
Ireland	IE	Switzerland	CH
Israel	IL	Turkey	TR
Italy	IT	Ukraine	UA
Kosovo	XK	United Kingdom	GB

Example: In section F of the Data Protocol and in the SPSS and SAS programmes available at the ESS10 NC Intranet, the variable name of country-specific highest level of education (question F15) is EDLVDxx. The country-specific variables on respondent's highest level of education in Slovakia and Portugal should be renamed EDLVDSK and EDLVDPT, respectively.

E1.2 Political party

B14: PRTVTxx "PARTY VOTED FOR IN LAST NATIONAL ELECTION"
PRTVxx1 "PARTY VOTED FOR IN LAST NATIONAL ELECTION 1"
PRTVxxN "PARTY VOTED FOR IN LAST NATIONAL ELECTION N"

These items need to be country-specific due to differences in electoral and party systems between countries. There will be two main groups of countries using different principles of organising the data:

i. Only one single vote registered.
ia. Countries where only one national-level election takes places.
Comment: None
ib. Countries where multiple national-level elections take place.
Comment: Please ask about the last election for the **primary legislative assembly**.
⇒ **Principle 1.** Countries belonging to group i. rename PRTVTxx, and use their national list of parties as categories. PRTVxx1 – PRTVxxN are **not** included in these data files.

ii. Two or more votes registered.
iia. Countries where voters have **more than one vote for the same assembly** (e.g. parallel and mixed member proportional systems; double ballot systems)
Comment: Please ensure that both/all votes are supplied.
iib. Countries using **preferential systems** (e.g. Single Transferable Vote or Alternative Vote).
Comment: Please provide first and second preference vote.
⇒ **Principle 2.** Ranking of votes possible: These countries use the variables PRTVxx1 – PRTVxxN to register the N votes. PRTVTxx is derived from PRTVTxx1 – PRTVxxN, and provided with a label documenting that the variable is derived from these variables. The national lists of parties are used as categories.
⇒ **Principle 3.** Ranking of votes **not** possible: Please use the variables PRTVxx1 – PRTVxxN to register the N votes and add their national list of parties as categories. The variable PRTVTxx is **not** included in these data files.

The overview below sums up the principles:

	Ranking of votes/preference	
Number of votes registered	Possible	Not possible
Only one	Principle 1. Only PRTVTxx included	
Two or more	Principle 2. PRTVTxx (derived) and PRTVxx1 – PRTVxxN included	Principle 3. Only PRTVxx1 – PRTVxxN included

B24: PRTCLxx "WHICH PARTY FEEL CLOSER TO"

Unless there have been any changes to the political parties, please use the country-specific categories that were used in the last round your country participated in.

E1.3 Education
F15: EDLVDxx "HIGHEST LEVEL OF EDUCATION, [COUNTRY]"
F44: EDLVPDxx "PARTNER'S HIGHEST LEVEL OF EDUCATION, [COUNTRY]"
F52: EDLVFDxx "FATHER'S HIGHEST LEVEL OF EDUCATION, [COUNTRY]"
F55: EDLVMDxx "MOTHER'S HIGHEST LEVEL OF EDUCATION, [COUNTRY]"

Please provide the country-specific variables on respondent's highest level of education, as well as for partner, father and mother. All variables that have been used in the measurement of highest level of education must be deposited to the archive.

Returning countries that did not take part in the ESS since Round 4, will need to change their country specific instruments measuring highest level of education due to the requirement of the coding frame introduced in round 5. For further information please see section D2.2.

Please use the Latin alphabet with additional symbols as needed in the different languages in [COUNTRY] for the country-specific categories.

E1.4 Region
REGIONxx "REGION"
This variable is not derived from the questionnaire but should be included in File 1 (see section F1).

All countries included in the Nomenclature of Territorial Units for Statistics (NUTS) established by Eurostat, are asked to provide regional variables according to the NUTS level classification. Furthermore, the applied NUTS level for the regional variables should ideally correspond to an administrative level within each country. Which NUTS level that corresponds to an administrative level will vary from country to country. Please see table E.2 for a list of recommended NUTS levels to be used. Countries should ensure that the most recent edition of the NUTS classification is deployed in the construction of the REGIONxx variable. For any queries regarding the national coding of the REGIONxx variable, please contact the ESS Data Archive.

For countries <u>not</u> included in the NUTS nomenclature (currently Georgia, Israel, Kosovo, Russia and Ukraine), please use regional categories that are administrative units and where it is possible to attach contextual data from national records/registers.

All in all, the units in REGIONxx should meet the following demands:

A) For countries in the NUTS nomenclature:
1. Please use the recommended NUTS levels as presented in table E.2
2. Please ensure that the population of each unit is large enough to avoid identification of respondents.
3. Please use the official NUTS codes and labels from the NUTS Nomenclature as values and categories for the country-specific variables (alphanumeric).
   Examples:
   Value: HR041   Category: Grad Zagreb
   Value: DK04   Category: Midtjylland
   Value: DEA   Category: Nordrhein-Westfalen

B) For countries not included in the NUTS nomenclature:
1. Please use regional categories that are administrative units and where it is possible to attach contextual data from national records/registers.
2. Please ensure that the population of each unit is large enough to avoid identification of respondents.

Table E.2. Recommended[1] NUTS level for REGIONxx variable

Country	Country code	Suggested NUTS level	Number of regions
Albania	AL	3	12
Austria	AT	2	9
Belgium	BE	2	11
Bulgaria	BG	3	28
Croatia	HR	3	21
Cyprus	CY	1	1
Czech Republic	CZ	3	14
Denmark	DK	2	5
Estonia	EE	3	5
Finland	FI	3	19
France	FR	2	27
Georgia	GE	3 (NUTS equivalent EVS classification)	11
Germany	DE	1	16
Greece	GR	2	13
Hungary	HU	3	20
Iceland	IS	3	2
Ireland	IE	3	8
Israel	IL	No NUTS coding.	
Italy	IT	2	21
Kosovo	XK	No NUTS coding.	
Latvia	LV	3	6
Lithuania	LT	3	10
Luxembourg	LU	1	1
Montenegro	ME	1	1
Netherlands	NL	2	12
North Macedonia	MK	3	8
Norway	NO	3	11
Poland	PL	2	17
Portugal	PT	2	7
Romania	RO	2	8
Russian Federation	RU	No NUTS coding.	
Serbia	RS	2	4
Slovakia	SK	3	8
Slovenia	SI	3	12
Spain	ES	2	19
Sweden	SE	3	21
Switzerland	CH	3	26
Turkey	TR	1	12
Ukraine	UA	No NUTS coding	
United Kingdom	GB	1	12

For more information on the NUTS structure, please see:

https://ec.europa.eu/eurostat/web/products-manuals-and-guidelines/-/KS-GQ-20-092 for the

current NUTS nomenclature (2021) including information about the EFTA countries and the

Candidate countries. For the EVS coding see:

https://dbk.gesis.org/dbksearch/file.asp?file=ZA7500_cdb_App_C_NUTS.pdf

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[1] Data can be deposited on lower levels. If for example NUTS level 2 is recommended, it is possible to use level 3 in the data file sent to the Archive. Other regional levels can be used if agreed with the Archive.

E1.5 Income

F41: HINCTNTA "HOUSEHOLD'S TOTAL NET INCOME, ALL SOURCES"

The categories are to be based on deciles of the actual household income range in the given country. The deciles should be derived from the best available source for the country and match the requirement of the question. Possible sources for the calculation of deciles can be national register data, or representative country wide surveys (for example the EU–SILC). Regarding the benchmark data source, please place particular emphasis on the following aspects:

- Deciles should refer to household income for all households, unadjusted for size or type;
- Deciles should refer to household's total income, after tax and compulsory deductions, from all sources;
- Deciles should reflect household income at the time of fieldwork, and thus be adjusted to 2020 level (or year of fieldwork) if necessary.

Using the median income as the reference point, 10 deciles should be calculated with the median itself at the top of the fifth decile (category F). The figures should not appear to be too exact. <u>Minor</u> rounding can be applied to achieve this if necessary. The deciles should be reported in national currency and the conversion rate to euros should be documented in the National Technical Summary, by the formula

1 [national currency] = x.xx €.

The intervals of the categories in CARD 51 are:

CARD 51
YOUR <u>HOUSEHOLD</u> INCOME

Show card code	Approximate WEEKLY	Approximate MONTHLY	Approximate ANNUAL	Data file code
J	Less than €xx	Less than €xxx	Less than €xxx	1
R	€xx to under €xx	€xxx to under €xxx	€xxx to under €xxx	2
C	€xx to under €xx	€xxx to under €xxx	€xxx to under €xxx	3
M	€xx to under €xx	€xxx to under €xxx	€xxx to under €xxx	4
F	€xx to under €xx	€xxx to under €xxx	€xxx to under €xxx	5
S	€xx to under €xx	€xxx to under €xxx	€xxx to under €xxx	6
K	€xx to under €xx	€xxx to under €xxx	€xxx to under €xxx	7
P	€xx to under €xx	€xxx to under €xxx	€xxx to under €xxx	8
D	€xx to under €xx	€xxx to under €xxx	€xxx to under €xxx	9
H	More than €xx	More than €xxx	More than €xxx	10

A show card must always be used at this question. The ten rows on the show card should display the income ranges selected and be presented by the ten letters above (or their equivalent when other alphabets are used) which helps to ensure respondent confidentiality. Each country can choose whether to include weekly, monthly, or annual amounts on the show card or whether they want to include more than one of these as appropriate. The text in the last sentence of the question should be rephrased to match the solution selected. If you have any questions or queries regarding this, please direct them to ess@city.ac.uk

E1.6 Partnership status

F6:   RSHPSTxx   "RELATIONSHIP WITH HUSBAND/WIFE/PARTNER CURRENTLY
                                    LIVING WITH, [COUNTRY]"

F11:   MARSTxx   "LEGAL MARITAL STATUS, [COUNTRY]"

The partnership status consultation process on relationship status (F6 RSHPSTS) and legal marital status (F11 MARSTS) will for a very small number of countries lead to the inclusion of country specific variables. This applies only to countries where this has been agreed as part of the consultation process and the following additional variables must be included in the main data file deposited to NSD.

E1.7 Ancestry

F59: ANC1xx "FIRST ANCESTRY, [COUNTRY]"
            ANC2xx "SECOND ANCESTRY, [COUNTRY]"

The ancestry questions require the use of a country-specific show card (CARD 59) including an "other" category where the interviewer must record the answers verbatim. The verbatim recorded answers should be deposited in a separate file to be archived at NSD. For the harmonised variables (ANCTRY1 and ANCTRY2) these verbatim recorded answers are required to be post-coded according to the ESS coding frame "European Standard Classification of Cultural and Ethnic Groups" (ESCEG). The full ESCEG is available in a separate file (in pdf, txt and Excel formats) on the ESS10 NC Intranet.

Please note the following when preparing the country-specific ancestry variables for deposit:

1. Two country-specific variables should be deposited, recording the 1st and 2nd ancestries mentioned. There is no ranking or hierarchy implied in the two ancestry variables – they simply record the ancestries in the order they were mentioned by the respondent and/or coded by the interviewer.

2. Categories in the country-specific variables should be assigned the codes (1, 2, 3 etc.) indicated next to the country-specific categories in the mapping template signed off prior to fieldwork. These codes should also be used in the questionnaire. Please note that all translated versions of the show card to be used in a country should display categories in the same order i.e. the order agreed on the final version of the source show card. This should also be the order of the categories in the country-specific variables included in the data file.

3. If an interviewer has assigned a respondent the code "555555" i.e. "No second ancestry" at the second ancestry variable, this code should be retained in the version of the variables deposited.

4. "Other" responses to the country-specific variables should be retained as "Other". There is no need to post-code the country-specific versions of the variables.

There will be a consultation process on the ancestry measure in Round 10 well in advance of the fieldwork period. The ancestry consultation is being managed by ESS ERIC HQ (ess@city.ac.uk) with expert input from Prof. Anthony Heath, University of Oxford and Dr. Silke Schneider, GESIS. During this process the National Teams are to develop a show card and mapping in collaboration with the CST, based on a suggestion provided by the CST. The outcome of this consultation process will be made available from the country workspaces on myESS.

Additional information about the administration of the ancestry variables in ESS10 is available in the "ESS10 Ancestry Consultation Guidelines" document available for download from the ESS10 NC Intranet.

E2. Respondent identification number (IDNO) and country (CNTRY)

IDNO "RESPONDENT'S IDENTIFICATION NUMBER"
Identifies the respondent uniquely in the national data files. To be included in **all** data files (see section F).

CNTRY "COUNTRY"
The categories of the variable are the two-character country codes in ISO 3166-1. In the Polish data file, for example, the variable will have the value "PL" for all respondents. For the list of country codes please see table E1. To be included in **all** data files (see section F).

IDNO and CNTRY together uniquely identify the respondent in the integrated data files. By sorting integrated data files by CNTRY IDNO (in that order) and thereafter using CNTRY IDNO (in that order) as "key" or "by" variables in match/merge statements, the match/merge will be correct.

E3. Administrative variables

E3.1 Interviewer number, interviewer age and gender
Interviewer data file variables
To be included in File 2 (see table F.2)

J8 INTNUM "INTERVIEWER'S IDENTIFICATION NUMBER"
Identifies each interviewer uniquely in the Interviewer data file. To avoid identification of the interviewer, it is imperative that the identification numbers are not the same as those used in earlier ESS rounds or other surveys.

INTAGEA "AGE OF INTERVIEWER"
Identifies the age of each interviewer.
There is no item in the interviewer questionnaire for this. Please record the age of each interviewer and prepare the variable after the fieldwork has been completed.

INTGNDR "GENDER OF INTERVIEWER"
Identifies the gender of each interviewer.
There is no item in the interviewer questionnaire for this. Please record the gender of each interviewer and prepare the variable after the fieldwork has been completed.

E3.2 Timing variables: Start – end of interview, module timing
To be included in File 1 (see table F.1j)
Each timing variable (timestamp) must be recorded as separate item. Variable format: *yyyy-mm-dd hh:mm:ss*

Start of interview, main questionnaire (sections A-D, F-V):
INWDS "START OF INTERVIEW"

End of interview, main questionnaire (sections A-D, F-V):
INWDE "END OF INTERVIEW"

Module timing variables, main questionnaire (Sections, A-D, F-V):
AINWS "START OF SECTION A"
AINWE "END OF SECTION A"

BINWE "END OF SECTION B"
CINWE "END OF SECTION C"
DINWE "END OF SECTION D"
FINWE "END OF SECTION F"
GINWE "END OF SECTION G"
HINWE "END OF SECTION H"
IINWE "END OF SECTION I"
KINWE "END OF SECTION K"
VINWE "END OF SECTION V"

Module timing variables, interviewer questionnaire (Section J):
JINWS "START OF SECTION J"
JINWE "END OF SECTION J"

E3.3 Administration of test variables (MTMM):

As of ESS8 2016, the test variables are fielded as part of the main questionnaire. Test variables TESTIC33 to TESTIC42 are included in section C of the main questionnaire, while TESTII1 to TESTII9 are included in section I. All 18 test questions and administrative variables should be included in File 1 (see table F.1c and F.1i).

To be included in File 1 (see table F.1c)
C33 ADMRCLC "ADMINISTRATION OF REDUCE CLIMATE CHANGE"

The purpose of this administrative variable, is to identify which question block in the MTMM section of the C module (TESTIC34 to TESTIC42) and the I module (TESTII1 to TESTII9) the respondent is asked. This variable should be coded according to random allocation to groups 1, 2, 3 (see table F.1c and F5 for routing instructions).

E4. Contact Form variables

Experiences from previous rounds show that special attention to a selection of contact form variables is needed. In round 10 a section of variables collection information on back checks have been included in the CF data file. For more information on all variables in the CF data file, see sections F3 (variable definitions).

TYPESAMP "TYPE OF THE SAMPLE"
The type of sample used within each country needs to be recorded. The same code should be applied for every sample unit within each country. Note that TYPESAMP is a filter variable, generating a number of subsequent variables for countries with household or address sample.

INTERVA "INTERVIEW INFORMATION FOR THE SAMPLE UNIT"
Category 4 ("No interview because of opt out list") should be reserved for sample units which have officially opted out of participating in surveys, and are therefore part of an opt-out list (individual named sample only). This category should *not* be used to code respondents who are 'opting out' of the survey by means of conventional refusal to participate. The latter should be coded 5 ("No interview for other reason").

NUMTEL "NUMBER OF AUTOMATIC CALLS BEFORE FIRST FACE-TO-FACE CONTACT OR CONTACT ATTEMPTS"

In some countries, telephone can be used as the first method of contact. For those countries where automatic telephone calls are deployed in the attempts to reach the respondent, the total number of automated calls before any first face-to-face contact or contact attempt should be recorded. Once first contact is made, the contact form should be completely filled in for this contact and subsequent contact attempts (calls) unless they fall into the NUMTELA (see below) category. In countries where automatic telephone calls are not employed, NUMTEL and NUMTELA should be coded 666 ("Not applicable"). If automatic telephone calls are used in the country, but a given respondent was not called, NUMTEL and/or NUMTELA should be coded to 0.

NUMTELA "NUMBER OF AUTOMATIC CALLS AFTER FIRST FACE-TO-FACE CONTACT OR CONTACT ATTEMPTS"
This variable should record automatic telephone calls occurring after achieving first face-to-face contact.

AGE_SU "EXACT AGE OF THE SAMPLE UNIT (INDIVIDUAL SAMPLE FRAME)"
Eligible only for countries using individual sampling frame. Please remember that this variable should be topcoded to 90.

OUTNICn (CFC3) "OUTCOME WHEN THERE WAS NO INTERVIEW (VISIT n)"
Note that as of ESS round 6 former category 6 "Respondent mentally/physically not able" has been split in two categories, short-term (category 6) and long-term (category 7) respectively. Only respondents in category 6 should be subject to re-visits. Respondents mentally/physically not able, ill/sick (long-term) should be routed to CFN1-CFN5 before contact process is ended.

REFCA1 "NUMBER OF CONTACT ATTEMPT AT WHICH A REFUSAL OCCURRED (1)"
REFCA2 "NUMBER OF CONTACT ATTEMPT AT WHICH A REFUSAL OCCURRED (2)"
REFCA3 "NUMBER OF CONTACT ATTEMPT AT WHICH A REFUSAL OCCURRED (3)"
REFCAn "NUMBER OF CONTACT ATTEMPT AT WHICH A REFUSAL OCCURRED (n)" (if applicable)

Countries are asked to ensure full information for refusals up until the third refusal (code 2, 3 or 4 at OUTNICn) and for refusals at FTFREFn (code 1 at FTFREFn). Note that REFCA1-REFCAn must be chronologically consistent and match the sequence as recorded at OUTNIC1-OUTNICn. For example, if the first refusal took place at the 3rd visit (ie. code 2, 3 or 4 at OUTNIC3), REFCA1 should be coded 3. If three refusals are recorded for a sample unit, REFCA3 (code range 3-n) should always be larger than REFCA2 (code range 2-n) which in turn should always be larger than REFCA1 (code range 1-n). REFCA1-REFCAn are filter variables. If sample unit is assigned a substantial code at REFCA1, subsequent variables like COOPA1 should also be filled in, while variables AGEC_1 and GENDERC1 should be filled in if the refusal was made by the target respondent only (if OUTNIC1=2).

RERSC1_1-RERSC1_5 (CFC5) "REASON FOR REFUSAL (1_1) – REASON FOR REFUSAL (1_5)"
RERSC2_1-RERSC2_5 (CFC5) "REASON FOR REFUSAL (2_1) – REASON FOR REFUSAL (2_5)"
RERSC3_1-RERSC3_5 (CFC5) "REASON FOR REFUSAL (3_1) – REASON FOR REFUSAL (3_5)"
RERSCn_1-RERSCn_5 (CFC5) "REASON FOR REFUSAL (n_1) – REASON FOR REFUSAL (n_5)"
(if applicable)
Note the one-to-many relationship between REFCAn and RERSCn_5. Reason for refusal, if applicable, can be recorded for up to three refusals (code 2, 3 or 4 at OUTNICn) and for refusals at FTFREFn (code 1 at FTFREFn). For each refusal up to five reasons can be coded. Hence combined, a sample unit with three refusals at OUTNICn and one refusal at FTFREFn, could generate a maximum of 20 reasons for refusal.

RERVD1_1-RERVD1_3 (CFC5c) "REASON FOR REFUSAL OF VIDEO INTERVIEW (1_1) – REASON FOR REFUSAL OF VIDEO INTERVIEW (1_3)"

RERVD2_1-RERVD2_3 (CFC5c) "REASON FOR REFUSAL OF VIDEO INTERVIEW (2_1) – REASON FOR REFUSAL OF VIDEO INTERVIEW (2_3)"

RERVD3_1-RERVD3_3 (CFC5c) "REASON FOR REFUSAL OF VIDEO INTERVIEW (3_1) – REASON FOR REFUSAL OF VIDEO INTERVIEW (3_3)"

RERVDn_1-RERVDn_3 (CFC5c) "REASON FOR REFUSAL OF VIDEO INTERVIEW (n_1) – REASON FOR REFUSAL OF VIDEO INTERVIEW (n_3)" (if applicable)

Note the one-to-many relationship between VDOREFn and RERVDn_3. Reason for refusal, if applicable, can be recorded for up to three refusals (code 1 at VDOREFn). For each refusal up to three reasons can be coded. Hence combined, a sample unit with three refusals at VDOREFn, could generate a maximum of 9 reasons for refusal.

RECONVA "NUMBER OF CONTACT ATTEMPT WHEN REFUSAL CONVERSION ACTIVITIES STARTED"
Where applicable, the number of the visit that corresponds to the start of refusal conversion attempts should be noted. Code 666 ("Not applicable") should be used for sample units where no refusals were registered at OUTNICn, whereas code 0 should be used for sample units where refusals occurred (code 2, 3 or 4 at OUTNICn) but where no refusal conversion took place.

Please note that merely re-approaching the target person after an initial refusal, without introducing any substantial refusal conversion measures (as laid down in for example the refusal conversion strategies of the fieldwork organisation), should not be considered as sufficient to justify a substantive code on RECONVA for this particular contact attempt. Refusal conversion activities include for example: Use of new incentives; use of new interviewer; selection of initial refusers based on assessment of future cooperation rate (ie. hard versus soft refusals); timing; etc."

OUTINVAL (CFC9) "OUTCOME ADDRESS INVALID"
Provides information on the outcome of invalid address units. Note that all sample units coded 7 at RESULCn should be routed to OUTINVAL before contact procedure is ended.

TYPE (CFN1) "TYPE OF HOUSE RESPONDENT LIVES IN"
ACCESS (CFN2) "ENTRY PHONE OR LOCKED GATE/DOOR BEFORE REACHING RESPONDENT'S INDIVIDUAL DOOR"
PHYSA (CFN3) "ASSESSMENT OVERALL PHYSICAL CONDITION BUILDING/HOUSE"
LITTERA (CFN4) "AMOUNT OF LITTER AND RUBBISH IN THE IMMEDIATE VICINITY"
VANDAA (CFN5) "AMOUNT OF VANDALISM AND GRAFFITI IN THE IMMEDIATE VICINITY"
CFN1-CFN5 records information on neighbourhood characteristics. Should be filled out for all cases (response and non-response units) unless the address itself is invalid. Data should be collected and coded by the interviewer at the first face-to-face visit.

The Round 10 Contact Form Instructions and Round 10 Guidelines for Collecting Observable Data will be available as part of the Interviewer Briefing materials.

E5. Optional module on Covid19 pandemic (added in place of national items)

In ESS10 a new optional module to capture attitudes, impacts and experiences in relation to the COVID-19 pandemic has been developed. This module (Section K) includes 20 items (per

respondent), and is placed after section I in the main questionnaire. If you choose to include this module, it must be <u>in place</u> of any country-specific questions. If you do <u>not</u> plan to include the COVID-19 module, you should exclude this from your country questionnaire/translations and also exclude the showcards produced for the COVID-19 module from your showcard pack. Note that the COVID-19 module also covers items B12a (trust in scientists) so countries not including the COVID-19 module should also exclude this item.

F. Variable definitions and flowchart

Tables F.1a-d, e, h-j, F.2, F.3 and F.4 document the official formats and contents of the variables in the ESS round 10 data files. The tables document the question number, the variable label, format and categories of each variable. The last column has information about skips, coding standards etc. Please use the tables and flowcharts in section F.5 and the source questionnaires simultaneously when setting up national questionnaires and data programmes.

Table F.1a. Data file 1: Main questionnaire, section A; Idno and Cntry

Qno	Name	Label	Format	Values	Categories	Comment
	idno	Respondent's identification number	F9			See section E2
	cntry	Country	A2			See sections E1.1 and E2
						Ask all
A1	nwspol	News about politics and current affairs, watching, reading or listening, in minutes	F4	7777	Refusal	
				8888	Don't know	
				9999	No answer	
						Ask all
A2	netusoft	Internet use, how often	F1	1	Never	
				2	Only occasionally	Go to A4
				3	A few times a week	
				4	Most days	Ask A3
				5	Every day	
				7	Refusal	Go to A4
				8	Don't know	
				9	No answer	
						If code 4, 5 at A2
A3	netustm	Internet use, how much time on typical day, in minutes	F4	6666	Not applicable	
				7777	Refusal	
				8888	Don't know	
				9999	No answer	
						Ask all
A4	ppltrst	Most people can be trusted or you can't be too careful	F2	0	You can't be too careful	
				1	1	
				2	2	
				3	3	
				4	4	
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Most people can be trusted	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
A5	pplfair	Most people try to take advantage of you, or try to be fair	F2	0	Most people try to take advantage of me	
				1	1	
				2	2	
				3	3	
				4	4	
				5	5	
				6	6	
				7	7	
				8	8	

Table F.1a. Data file 1: Main questionnaire, section A; Idno and Cntry

Qno	Name	Label	Format	Values	Categories	Comment
				9	9	
				10	Most people try to be fair	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
A6	pplhlp	Most of the time people helpful or mostly looking out for themselves	F2	0	People mostly look out for themselves	
				1	1	
				2	2	
				3	3	
				4	4	
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	People mostly try to be helpful	
				77	Refusal	
				88	Don't know	
				99	No answer	

Table F.1b. Data file 1: Main questionnaire, section B

Qno	Name	Label	Format	Values	Categories	Comment
						Ask all
B1	polintr	How interested in politics	F1	1	Very interested	
				2	Quite interested	
				3	Hardly interested	
				4	Not at all interested	
				7	Refusal	
				8	Don't know	
				9	No answer	
						Ask all
B2	psppsgva	Political system allows people to have a say in what government does	F1	1	Not at all	
				2	Very little	
				3	Some	
				4	A lot	
				5	A great deal	
				7	Refusal	
				8	Don't know	
				9	No answer	
						Ask all
B3	actrolga	Able to take active role in political group	F1	1	Not at all able	
				2	A little able	
				3	Quite able	
				4	Very able	
				5	Completely able	
				7	Refusal	
				8	Don't know	
				9	No answer	
						Ask all
B4	psppipla	Political system allows people to have influence on politics	F1	1	Not at all	
				2	Very little	
				3	Some	
				4	A lot	
				5	A great deal	
				7	Refusal	
				8	Don't know	
				9	No answer	
						Ask all
B5	cptppola	Confident in own ability to participate in politics	F1	1	Not at all confident	
				2	A little confident	
				3	Quite confident	
				4	Very confident	
				5	Completely confident	
				7	Refusal	
				8	Don't know	
				9	No answer	

Table F.1b. Data file 1: Main questionnaire, section B

Qno	Name	Label	Format	Values	Categories	Comment
						Ask all
B6	trstprl	Trust in country's parliament	F2	0	No trust at all	B6-B12: Same format, values and categories
B7	trstlgl	Trust in the legal system		1	1	
B8	trstplc	Trust in the police		2	2	
B9	trstplt	Trust in politicians		3	3	
B10	trstprt	Trust in political parties		4	4	
B11	trstep	Trust in the European Parliament		5	5	
				6	6	
B12	trstun	Trust in the United Nations		7	7	
B12a[1]	trstsci	Trust in scientists		8	8	
				9	9	
				10	Complete trust	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
B13	vote	Voted last national election	F1	1	Yes	Ask B14
				2	No	
				3	Not eligible to vote	Go to B15
				7	Refusal	
				8	Don't know	
				9	No answer	
						If code 1 at B13
B14	prtvtxx	Party voted for in last national election, [country]	F2	66	Not applicable	Country-specific question, see section E1.1
				77	Refusal	
				88	Don't know	
				99	No answer	
	prtvxx1	Party voted for in last national election 1, [country]	F2	66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
	prtvxx2	Party voted for in last national election 2, [country]	F2	66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	

[1] New question as part of the optional ESS10 COVID19 module.

Table F.1b. Data file 1: Main questionnaire, section B

Qno	Name	Label	Format	Values	Categories	Comment
						Ask all
B15	contplt	Contacted politician or government official last 12 months	F1	1	Yes	B15-B18: Same format, values and categories
				2	No	
B16[2]	donprty	Donated to or participated in political party or pressure group last 12 months		7	Refusal	
				8	Don't know	
B17	badge	Worn or displayed campaign badge/sticker last 12 months		9	No answer	
B18	sgnptit	Signed petition last 12 months				
						Ask all
B19[3]	pbldmna	Taken part in public demonstration last 12 months	F1	1	Yes	B19-B22: Same format, values and categories
				2	No	
B20	bctprd	Boycotted certain products last 12 months		7	Refusal	
				8	Don't know	
B21	pstplonl	Posted or shared anything about politics online last 12 months		9	No answer	
B22[4]	volunfp	Volunteered for not-for-profit or charitable organisation				
						Ask all
B23	clsprty	Feel closer to a particular party than all other parties	F1	1	Yes	Ask B24
				2	No	
				7	Refusal	Go to B25a
				8	Don't know	
				9	No answer	
						If code 1 at B23
B24	prtclxx	Which party feel closer to, [country]	F2	66	Not applicable	If party given at B24 then ask B25
				77	Refusal	
				88	Don't know	
				99	No answer	
						If party coded (codes 1 to xx) at B24
B25	prtdgcl	How close to party	F1	1	Very close	
				2	Quite close	
				3	Not close	
				4	Not at all close	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						Ask all
B25a[5]	implvdm	How important for you to live in democratically governed country	F2	0	Not at all important	
				1	1	
				2	2	

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[2] New core question added in ESS10.
[3] New core question added in ESS10.
[4] New core question added in ESS10.
[5] Repeat question from the ESS6 module on Democracy.

Table F.1b. Data file 1: Main questionnaire, section B

Qno	Name	Label	Format	Values	Categories	Comment
				3	3	
				4	4	
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Extremely important	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
B26	lrscale	Placement on left right scale	F2	0	Left	
				1	1	
				2	2	
				3	3	
				4	4	
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Right	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
B27	stflife	How satisfied with life as a whole	F2	0	Extremely dissatisfied	B27-B30: Same format, values and categories
				1	1	
B28	stfeco	How satisfied with present state of economy in country		2	2	
				3	3	
B29	stfgov	How satisfied with the national government		4	4	
				5	5	
B30	stfdem	How satisfied with the way democracy works in country		6	6	
				7	7	
				8	8	
				9	9	
				10	Extremely satisfied	
				77	Refusal	
				88	Don't know	
				99	No answer	

Table F.1b. Data file 1: Main questionnaire, section B

Qno	Name	Label	Format	Values	Categories	Comment
						Ask all
B31	stfedu	State of education in country nowadays	F2	0	Extremely bad	B31-B32: Same format, values and categories
				1	1	
B32	stfhlth	State of health services in country nowadays		2	2	
				3	3	
				4	4	
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Extremely good	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
B33	gincdif	Government should reduce differences in income levels	F1	1	Agree strongly	B33-B36: Same format, values and categories
				2	Agree	
B34	freehms	Gays and lesbians free to live life as they wish		3	Neither agree nor disagree	
				4	Disagree	
B35	hmsfmlsh	Ashamed if close family member gay or lesbian		5	Disagree strongly	
				7	Refusal	
B36	hmsacld	Gay and lesbian couples right to adopt children		8	Don't know	
				9	No answer	
						Ask all
B37	euftf	European Union: European unification go further or gone too far	F2	0	Unification already gone too far	
				1	1	
				2	2	
				3	3	
				4	4	
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Unification go further	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
B37a[6]	accalaw	Acceptable for country to have a strong leader above the law	F2	0	Not at all acceptable	
				1	1	
				2	2	
				3	3	
				4	4	
				5	5	
				6	6	

[6] New question as part of the ESS10 module on Democracy.

Table F.1b. Data file 1: Main questionnaire, section B

Qno	Name	Label	Format	Values	Categories	Comment
				7	7	
				8	8	
				9	9	
				10	Completely acceptable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
B38[7]	lrnobed	Obedience and respect for authority most important virtues children should learn	F1	1	Agree strongly	B38-B39: Same format, values and categories
				2	Agree	
B39[8]	loylead	Country needs most loyalty towards its leaders		3	Neither agree nor disagree	
				4	Disagree	
				5	Disagree strongly	
				7	Refusal	
				8	Don't know	
				9	No answer	
						Ask all
B40	imsmetn	Allow many/few immigrants of same race/ethnic group as majority	F1	1	Allow many to come and live here	B40-B42: Same format, values and categories
				2	Allow some	
B41	imdfetn	Allow many/few immigrants of different race/ethnic group from majority		3	Allow a few	
				4	Allow none	
B42	impcntr	Allow many/few immigrants from poorer countries outside Europe		7	Refusal	
				8	Don't know	
				9	No answer	
						Ask all
B43	imbgeco	Immigration bad or good for country's economy	F2	0	Bad for the economy	
				1	1	
				2	2	
				3	3	
				4	4	
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Good for the economy	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
B44	imueclt	Country's cultural life undermined or enriched by immigrants	F2	0	Cultural life undermined	
				1	1	
				2	2	
				3	3	
				4	4	

[7] New core question added in ESS10.
[8] New core question added in ESS10.

Table F.1b. Data file 1: Main questionnaire, section B

Qno	Name	Label	Format	Values	Categories	Comment
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Cultural life enriched	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
B45	imwbcnt	Immigrants make country worse or better place to live	F2	0	Worse place to live	
				1	1	
				2	2	
				3	3	
				4	4	
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Better place to live	
				77	Refusal	
				88	Don't know	
				99	No answer	

Table F.1c. Data file 1: Main questionnaire, section C

Qno	Name	Label	Format	Values	Categories	Comment
						Ask all
C1	happy	How happy are you	F2	0	Extremely unhappy	
				1	1	
				2	2	
				3	3	
				4	4	
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Extremely happy	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
C2	sclmeet	How often socially meet with friends, relatives or colleagues	F2	1	Never	
				2	Less than once a month	
				3	Once a month	
				4	Several times a month	
				5	Once a week	
				6	Several times a week	
				7	Every day	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
C3	inprdsc	How many people with whom you can discuss intimate and personal matters	F2	0	None	
				1	1	
				2	2	
				3	3	
				4	4-6	
				5	7-9	
				6	10 or more	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
C4	sclact	Take part in social activities compared to others of same age	F1	1	Much less than most	
				2	Less than most	
				3	About the same	
				4	More than most	
				5	Much more than most	
				7	Refusal	
				8	Don't know	
				9	No answer	

Table F.1c. Data file 1: Main questionnaire, section C

Qno	Name	Label	Format	Values	Categories	Comment
						Ask all
C5	crmvct	Respondent or household member victim of burglary/assault last 5 years	F1	1	Yes	
				2	No	
				7	Refusal	
				8	Don't know	
				9	No answer	
						Ask all
C6	aesfdrk	Feeling of safety of walking alone in local area after dark	F1	1	Very safe	
				2	Safe	
				3	Unsafe	
				4	Very unsafe	
				7	Refusal	
				8	Don't know	
				9	No answer	
						Ask all
C7	health	Subjective general health	F1	1	Very good	
				2	Good	
				3	Fair	
				4	Bad	
				5	Very bad	
				7	Refusal	
				8	Don't know	
				9	No answer	
						Ask all
C8	hlthhmp	Hampered in daily activities by illness/disability/infirmity/mental problem	F1	1	Yes a lot	
				2	Yes to some extent	
				3	No	
				7	Refusal	
				8	Don't know	
				9	No answer	
						Ask all
C9	atchctr	How emotionally attached to [country]	F2	0	Not at all emotionally attached	C9-C10: Same format, values and categories
				1	1	
C10	atcherp	How emotionally attached to Europe		2	2	
				3	3	
				4	4	
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Very emotionally attached	
				77	Refusal	
				88	Don't know	
				99	No answer	

Table F.1c. Data file 1: Main questionnaire, section C

Qno	Name	Label	Format	Values	Categories	Comment
						Ask all
C11	rlgblg	Belonging to particular religion or denomination	F1	1	Yes	Ask C12
				2	No	
				7	Refusal	Go to C13
				8	Don't know	
				9	No answer	
						If code 1 at C11
						C12: ESS religion coding frame, see section D2.1
C12	rlgdnm	Religion or denomination belonging to at present	F2	1	Roman Catholic	
				2	Protestant	
				3	Eastern Orthodox	
				4	Other Christian denomination	
				5	Jewish	
				6	Islamic	Go to C15
				7	Eastern religions	
				8	Other non-Christian religions	
				66	Not applicable	
				77	Refusal	Go to C15
				99	No answer	
						If code 1 at C11
	rlgdnxx	Religion or denomination belonging to at present, [country]	F4	6666	Not applicable	Country-specific
				7777	Refusal	
				9999	No answer	
						If code 2, 7 or 8 at C11
C13	rlgblge	Ever belonging to particular religion or denomination	F1	1	Yes	Ask C14
				2	No	Go to C15
				6	Not applicable	
				7	Refusal	
				8	Don't know	Go to C15
				9	No answer	
						If code 1 at C13
						C14: ESS religion coding frame, see section D2.1
C14	rlgdnme	Religion or denomination belonging to in the past	F2	1	Roman Catholic	
				2	Protestant	
				3	Eastern Orthodox	
				4	Other Christian denomination	
				5	Jewish	
				6	Islamic	
				7	Eastern religions	
				8	Other non-Christian religions	
				66	Not applicable	
				77	Refusal	
				99	No answer	
						If code 1 at C13
	rlgdexx	Religion or denomination belonging to in the past, [country]	F4	6666	Not applicable	Country-specific
				7777	Refusal	

Table F.1c. Data file 1: Main questionnaire, section C

Qno	Name	Label	Format	Values	Categories	Comment
				9999	No answer	
						Ask all
C15	rlgdgr	How religious are you	F2	0	Not at all religious	
				1	1	
				2	2	
				3	3	
				4	4	
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Very religious	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
C16	rlgatnd	How often attend religious services apart from special occasions	F2	1	Every day	C16-C17: Same format, values and categories
				2	More than once a week	
C17	pray	How often pray apart from at religious services		3	Once a week	
				4	At least once a month	
				5	Only on special holy days	
				6	Less often	
				7	Never	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
C18	dscrgrp	Member of a group discriminated against in this country	F1	1	Yes	Ask C19
				2	No	
				7	Refusal	Go to C20
				8	Don't know	
				9	No answer	
						If code 1 at C18
C19	dscrrce	Discrimination of respondent's group: colour or race	F1	0	Not marked	C19 dscrrce-dscrna: Same format, values and categories
	dscrntn	Discrimination of respondent's group: nationality		1	Marked	
	dscrrlg	Discrimination of respondent's group: religion				See Section C2
	dscrlng	Discrimination of respondent's group: language				
	dscretn	Discrimination of respondent's group: ethnic group				
	dscrage	Discrimination of respondent's group: age				
	dscrgnd	Discrimination of respondent's group: gender				
	dscrsex	Discrimination of respondent's group: sexuality				
	dscrdsb	Discrimination of respondent's group: disability				
	dscroth	Discrimination of respondent's group: other grounds				

Table F.1c. Data file 1: Main questionnaire, section C

Qno	Name	Label	Format	Values	Categories	Comment
	dscrdk	Discrimination of respondent's group: don't know				
	dscrref	Discrimination of respondent's group: refusal				
	dscrnap	Discrimination of respondent's group: not applicable				
	dscrna	Discrimination of respondent's group: no answer				
						Ask all
C20	ctzcntr	Citizen of country	F1	1	Yes	
				2	No	
				7	Refusal	
				8	Don't know	
				9	No answer	
						Ask all
C21	brncntr	Born in country	F1	1	Yes	Go to C24
				2	No	Ask C22
				7	Refusal	Go to C24
				8	Don't know	
				9	No answer	
						If code 2 at C21
C22	cntbrthd	Country of birth	A4	"6666"	Not applicable	C22: ISO 3166-1, see section D1.1
				"7777"	Refusal	
				"8888"	Don't know	
				"9999"	No answer	
						If code 2 at C21
C23	livecnta	What year you first came to live in country	F4	6666	Not applicable	
				7777	Refusal	
				8888	Don't know	
				9999	No answer	
						Ask all
C24	lnghom1	Language most often spoken at home: first mentioned	A3	"777"	Refusal	C24: ISO 639-2,see section D1.2
				"888"	Don't know	
				"999"	No answer	
						Ask all
C24	lnghom2	Language most often spoken at home: second mentioned	A3	"000"	No second language mentioned	
				"777"	Refusal	
				"888"	Don't know	
				"999"	No answer	
						Ask all
C25[9]	feethngr	Feel part of same race or ethnic group as most people in country	F1	1	Yes	
				2	No	
				7	Refusal	
				8	Don't know	
				9	No answer	

[9] New core question added in ESS10.

Table F.1c. Data file 1: Main questionnaire, section C

Qno	Name	Label	Format	Values	Categories	Comment
						Ask all
C26	facntr	Father born in country	F1	1	Yes	Go to C28
				2	No	Ask C27
				7	Refusal	Go to C28
				8	Don't know	
				9	No answer	
						If code 2 at C26
C27	fbrncntc	Country of birth, father	A4	"6666"	Not applicable	
				"7777"	Refusal	
				"8888"	Don't know	
				"9999"	No answer	
						Ask all
C28	mocntr	Mother born in country	F1	1	Yes	Go to C30
				2	No	Ask C29
				7	Refusal	Go to C30
				8	Don't know	
				9	No answer	
						If code 2 at C28
C29	mbrncntc	Country of birth, mother	A4	"6666"	Not applicable	C29: ISO 3166-1, see section D1.1
				"7777"	Refusal	
				"8888"	Don't know	
				"9999"	No answer	
						Ask all
C30[10]	ccnthum	Climate change caused by natural processes, human activity, or both	F2	1	Entirely by natural processes	
				2	Mainly by natural processes	
				3	About equally by natural processes and human activity	Ask C31
				4	Mainly by human activity	
				5	Entirely by human activity	
				55	I don't think climate change is happening	Go to introduction before C43
				77	Refusal	Ask C31
				88	Don't know	
				99	No answer	
						If code 1-5, 77, 88 at C30
C31[11]	ccrdprs	To what extent feel personal responsibility to reduce climate change	F2	0	Not at all	
				1	1	
				2	2	
				3	3	
				4	4	
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	

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[10] New core question added in ESS10.
[11] New core question added in ESS10.

Table F.1c. Data file 1: Main questionnaire, section C

Qno	Name	Label	Format	Values	Categories	Comment
				10	A great deal	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						If code 1-5, 77, 88 at C30
C32[12]	wrclmch	How worried about climate change	F1	1	Not at all worried	
				2	Not very worried	
				3	Somewhat worried	
				4	Very worried	
				5	Extremely worried	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						If code 1-5, 77 or 88 at C30
						Code all by automated random allocation
C33	admrclc	Administration of reduce climate change	F1	1	Group 1	Ask C34
				2	Group 2	Go to C37
				3	Group 3	Go to C40
				6	Not applicable	
				9	Not available	
						If code 1 at C33
C34 ~	testic34	Imagine large numbers of people limit energy use, how likely reduce climate change	F2	0	Not at all likely	C34-C36: Same format, values and categories
				1	1	
C35 ~	testic35	How likely, large numbers of people limit energy use		2	2	
C36 ~	testic36	How likely, governments in enough countries take action to reduce climate change		3	3	
				4	4	
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Extremely likely	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	

[12] New core question added in ESS10.
~ New test question for ESS10.

Table F.1c. Data file 1: Main questionnaire, section C

Qno	Name	Label	Format	Values	Categories	Comment
						If code 2 at C33
C37˜	testic37	Imagine large numbers of people limit energy use, how likely reduce climate change	F1	1	Not at all likely	C37-C39: Same format, values and categories
				2	Not very likely	
C38˜	testic38	How likely, large numbers of people limit energy use		3	Likely	
				4	Very likely	
C39˜	testic39	How likely, governments in enough countries take action to reduce climate change		6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						If code 3 at C33
C40˜	testic40	Imagine large numbers of people limit energy use, how likely reduce climate change	F2	0	Not at all likely	C40-C42: Same format, values and categories
				1	1	
C41˜	testic41	How likely, large numbers of people limit energy use		2	2	
				3	3	
C42˜	testic42	How likely, governments in enough countries take action to reduce climate change		4	4	
				5	5	
				6	Extremely likely	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						EU countries only
C43[13]	vteurmmb	Would vote for [country] to remain member of European Union or leave	F2	1	Remain member of the European Union	
				2	Leave the European Union	
				33	Would submit a blank ballot paper	
				44	Would spoil the ballot paper	
				55	Would not vote	
				65	Not eligible to vote	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Non-EU countries only
C44[14]	vteubcmb	Would vote for [country] to become member of European Union or remain outside	F2	1	Become a member of the European Union	
				2	Remain outside the European Union	
				33	Would submit a blank ballot paper	
				44	Would spoil the ballot paper	
				55	Would not vote	
				65	Not eligible to vote	
				77	Refusal	
				88	Don't know	
				99	No answer	

˜ New test question for ESS10.

[13] Repeat item from ESS8/ESS9 for EU countries only, included on a voluntary basis.

[14] Repeat item from ESS8/ESS9 for non-EU countries only, included on a voluntary basis.

Table F.1d. Data file 1: Main questionnaire, section D

Qno	Name	Label	Format	Values	Categories	Comment
						Ask all
D1	fairelc	National elections are free and fair	F2	0	Not at all important for democracy in general	D1-D5: Same format, values and categories
				1	1	
D2	dfprtal	Different political parties offer clear alternatives to one another		2	2	
				3	3	
D3	medcrgv	The media are free to criticise the government		4	4	
				5	5	
D4	rghmgpr	The rights of minority groups are protected		6	6	
				7	7	
D5	votedir	Citizens have the final say on political issues by voting directly in referendums		8	8	
				9	9	
				10	Extremely important for democracy in general	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
D6	cttresa	The courts treat everyone the same	F2	0	Not at all important for democracy in general	D6-D9: Same format, values and categories
				1	1	
D7	gptpelc	Governing parties are punished in elections when they have done a bad job		2	2	
				3	3	
				4	4	
D8	gvctzpv	The government protects all citizens against poverty		5	5	
				6	6	
D9	grdfinc	The government takes measures to reduce differences in income levels		7	7	
				8	8	
				9	9	
				10	Extremely important for democracy in general	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
D10	viepol	The views of ordinary people prevail over the views of the political elite	F2	0	Not at all important for democracy in general	D10-D12: Same format, values and categories
				1	1	
D11	wpestop	The will of the people cannot be stopped		2	2	
				3	3	
D12	keydec	Key decisions are made by national governments rather than the European Union		4	4	
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Extremely important for democracy in general	
				77	Refusal	
				88	Don't know	
				99	No answer	

Table F.1d. Data file 1: Main questionnaire, section D

Qno	Name	Label	Format	Values	Categories	Comment
						Ask all
D13	fairelcc	In country national elections are free and fair	F2	0	Does not apply at all	D13-D17: Same format, values and categories
				1	1	
D14	dfprtalc	In country different political parties offer clear alternatives to one another		2	2	
				3	3	
				4	4	
D15	medcrgvc	In country the media are free to criticise the government		5	5	
				6	6	
D16	rghmgprc	In country the rights of minority groups are protected		7	7	
				8	8	
D17	votedirc	In country citizens have the final say on political issues by voting directly in referendums		9	9	
				10	Applies completely	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
D18	cttresac	In country the courts treat everyone the same	F2	0	Does not apply at all	D18-D21: Same format, values and categories
				1	1	
D19	gptpelcc	In country governing parties are punished in elections when they have done a bad job		2	2	
				3	3	
				4	4	
D20	gvctzpvc	In country the government protects all citizens against poverty		5	5	
				6	6	
				7	7	
D21	grdfincc	In country the government takes measures to reduce differences in income levels		8	8	
				9	9	
				10	Applies completely	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
D22	viepolc	In country the views of ordinary people prevail over the views of the political elite	F2	0	Does not apply at all	D22-D24: Same format, values and categories
				1	1	
				2	2	
D23	wpestopc	In country the will of the people cannot be stopped		3	3	
				4	4	
D24	keydecc	In country key decisions are made by national governments rather than the European Union		5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Applies completely	
				77	Refusal	
				88	Don't know	
				99	No answer	

Table F.1d. Data file 1: Main questionnaire, section D

Qno	Name	Label	Format	Values	Categories	Comment
						Ask all
D25	chpldm	Best for democracy: government changes policies in response to what most people think	F1	1	Government should change its policies	Ask D26a
				2	Government should stick to its policies	Go to D27a
				5	It depends on the circumstances	
				7	Refusal	Go to D26b
				8	Don't know	
				9	No answer	
						If code 1 at D25
D26a	chpldmi	Important for democracy: government changes policies in response to what most people think	F2	0	Not at all important for democracy in general	
				1	1	
				2	2	
				3	3	
				4	4	
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Extremely important for democracy in general	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						If code 1, 5, 7 or 8 at D25
D26b	chpldmc	In country government changes policies in response to what most people think	F2	0	Never	
				1	1	
				2	2	
				3	3	
				4	4	
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Always	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						If code 2 at D25
D27a	stpldmi	Important for democracy: government sticks to policies regardless of what most people think	F2	0	Not at all important for democracy in general	
				1	1	
				2	2	
				3	3	
				4	4	
				5	5	
				6	6	

Qno	Name	Label	Format	Values	Categories	Comment
				7	7	
				8	8	
				9	9	
				10	Extremely important for democracy in general	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						If code 2 at d25
D27b	stpldmc	In country government sticks to policies regardless of what most people think	F2	0	Never	
				1	1	
				2	2	
				3	3	
				4	4	
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Always	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
D28	admit	Administration of how important things are for democracy	F1	1	Order A	Ask D28CheckA
				2	Order B	Go to D28CheckB
				3	Order C	Go to D28CheckC
				4	Order D	Go to D28CheckD
				5	Order E	Go to D28CheckE
				9	Not available	
						If code 1, 2, 3, 4 or 5 at D28
D28Check	showcv	Using correct version of showcard	F1	0	Not marked	
				1	Marked	
						If code 1 at D28
D28a	impdema	How important things are for democracy, order A	F1	1	That national elections are free and fair	
				2	That the courts treat everyone the same	
				3	That the government protects all citizens against poverty	
				4	That citizens have the final say on the most important political issues by voting in referendums	
				5	That the views of ordinary people prevail over the views of the political elite	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	

Table F.1d. Data file 1: Main questionnaire, section D

Qno	Name	Label	Format	Values	Categories	Comment
						If code 2 at D28
D28b	impdemb	How important things are for democracy, order B	F1		1 That the views of ordinary people prevail over the views of the political elite	
					2 That national elections are free and fair	
					3 That the courts treat everyone the same	
					4 That the government protects all citizens against poverty	
					5 That citizens have the final say on the most important political issues by voting in referendums	
					6 Not applicable	
					7 Refusal	
					8 Don't know	
					9 No answer	
						If code 3 at D28
D28c	impdemc	How important things are for democracy, order C	F1		1 That citizens have the final say on the most important political issues by voting in referendums	
					2 That the views of ordinary people prevail over the views of the political elite	
					3 That national elections are free and fair	
					4 That the courts treat everyone the same	
					5 That the government protects all citizens against poverty	
					6 Not applicable	
					7 Refusal	
					8 Don't know	
					9 No answer	
						If code 4 at D28
D28d	impdemd	How important things are for democracy, order D	F1		1 That the government protects all citizens against poverty	
					2 That citizens have the final say on the most important political issues by voting in referendums	
					3 That the views of ordinary people prevail over the views of the political elite	
					4 That national elections are free and fair	
					5 That the courts treat everyone the same	
					6 Not applicable	
					7 Refusal	
					8 Don't know	
					9 No answer	

Table F.1d. Data file 1: Main questionnaire, section D

Qno	Name	Label	Format	Values	Categories	Comment
						If code 5 at D28
D28e	impdeme	How important things are for democracy, order E	F1	1	That the courts treat everyone the same	
				2	That the government protects all citizens against poverty	
				3	That citizens have the final say on the most important political issues by voting in referendums	
				4	That the views of ordinary people prevail over the views of the political elite	
				5	That national elections are free and fair	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	

Table F.1f. Data file 1: Main questionnaire, section F

Qno	Name	Label	Format	Values	Categories	Comment
						Ask all
F1	hhmmb	Number of people living regularly as member of household	F2	77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
F2	gndr	Gender	F1	1	Male	
				2	Female	
				9	No answer	
						Ask all
	gndr2	Gender of second person in household	F1	1	Male	F2: gndr2-gndrn: Same format, values and categories
	gndr3	Gender of third person in household		2	Female	
				6	Not applicable	
				7	Refusal	Descending age order (oldest first)
	gndrn	Gender of N-th person in household		9	No answer	
						Ask all
F3[15]	yrbrn	Year of birth	F4	7777	Refusal	Calendar year
				8888	Don't know	
				9999	No answer	
						Ask all
	yrbrn2	Year of birth of second person in household	F4	6666	Not applicable	Calendar year
				7777	Refusal	F3: yrbrn2-yrbrnn: Same format, values and categories
	yrbrn3	Year of birth of third person in household		8888	Don't know	
				9999	No answer	
	yrbrnn	Year of birth of N-th person in household				Descending age order (oldest first)
						Ask all
F4	rshipa2	Second person in household: relationship to respondent	F2	1	Husband/wife/partner	F4: rshipa2-rshipan: Same format, values and categories
				2	Son/daughter/step/adopted/foster	
	rshipa3	Third person in household: relationship to respondent		3	Parent/parent-in-law	
				4	Brother/sister/step/adopted/foster	Descending age order (oldest first)
	rshipan	N-th person in household: relationship to respondent		5	Other relative	
				6	Other non-relative	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						If code 1 at F4
F6	rshpsts	Relationship with husband/wife/partner currently living with	F2	1	Legally married	Ask F7
				2	In a legally registered civil union	
				3	Living with my partner - not legally recognised	Go to F8
				4	Living with my partner - legally recognised	
				5	Legally separated	Ask F7

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[15] Variables yrbrn, yrbrn2-yrbrnn: Year of birth coded to limit the maximum possible age to 90.

Qno	Name	Label	Format	Values	Categories	Comment
				6	Legally divorced/Civil union dissolved	
				66	Not applicable	
				77	Refusal	
				88	Don't know	Ask F7
				99	No answer	
						If NOT code 1 at F4 or if code 1-2, 5-6, 77, 88 at F6
F7	lvgptnea	Ever lived with a partner, without being married	F1	1	Yes	
				2	No	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						Ask all
F8	dvrcdeva	Ever been divorced/had civil union dissolved	F1	1	Yes	
				2	No	
				7	Refusal	
				8	Don't know	
				9	No answer	
						If NOT code 1 at F4 or if code 3, 4 at F6
F11	marsts	Legal marital status	F2	1	Legally married	
				2	In a legally registered civil union	
				3	Legally separated	
				4	Legally divorced/Civil union dissolved	
				5	Widowed/Civil partner died	
				6	None of these (NEVER married or in legally registered civil union)	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						If NOT code 2 at F4
F13	chldhhe	Ever had children living in household	F1	1	Yes	
				2	No	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						Ask all
F14	domicil	Domicile, respondent's description	F1	1	A big city	
				2	Suburbs or outskirts of big city	
				3	Town or small city	
				4	Country village	
				5	Farm or home in countryside	
				7	Refusal	
				8	Don't know	

Table F.1f. Data file 1: Main questionnaire, section F

Qno	Name	Label	Format	Values	Categories	Comment
				9	No answer	
						Ask all
F15	edulvlb	Highest level of education	F4	0	Not completed ISCED level 1	ESS education coding frame, see section D2.2
				113	ISCED 1, completed primary education	
				129	Vocational ISCED 2C < 2 years, no access ISCED 3	
				212	General/pre-vocational ISCED 2A/2B, access ISCED 3 vocational	
				213	General ISCED 2A, access ISCED 3A general/all 3	
				221	Vocational ISCED 2C >= 2 years, no access ISCED 3	
				222	Vocational ISCED 2A/2B, access ISCED 3 vocational	
				223	Vocational ISCED 2, access ISCED 3 general/all	
				229	Vocational ISCED 3C < 2 years, no access ISCED 5	
				311	General ISCED 3 >=2 years, no access ISCED 5	
				312	General ISCED 3A/3B, access ISCED 5B/lower tier 5A	
				313	General ISCED 3A, access upper tier ISCED 5A/all 5	
				321	Vocational ISCED 3C >= 2 years, no access ISCED 5	
				322	Vocational ISCED 3A, access ISCED 5B/ lower tier 5A	
				323	Vocational ISCED 3A, access upper tier ISCED 5A/all 5	
				412	General ISCED 4A/4B, access ISCED 5B/lower tier 5A	
				413	General ISCED 4A, access upper tier ISCED 5A/all 5	
				421	ISCED 4 programmes without access ISCED 5	
				422	Vocational ISCED 4A/4B, access ISCED 5B/lower tier 5A	
				423	Vocational ISCED 4A, access upper tier ISCED 5A/all 5	
				510	ISCED 5A short, intermediate/academic/general tertiary below bachelor	
				520	ISCED 5B short, advanced vocational qualifications	
				610	ISCED 5A medium, bachelor/equivalent from lower tier tertiary	
				620	ISCED 5A medium, bachelor/equivalent from upper/single tier tertiary	
				710	ISCED 5A long, master/equivalent from lower tier tertiary	
				720	ISCED 5A long, master/equivalent from upper/single tier tertiary	
				800	ISCED 6, doctoral degree	
				5555	Other	
				7777	Refusal	
				8888	Don't know	
				9999	No answer	
	edlvdxx	Highest level of education, [country]	F4	5555	Other	Country-specific, see section E1.3
				7777	Refusal	
				8888	Don't know	
				9999	No answer	

Table F.1f. Data file 1: Main questionnaire, section F

Qno	Name	Label	Format	Values	Categories	Comment
						Ask all
F16	eduyrs	Years of full-time education completed	F2	77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
F17a	pdwrk	Doing last 7 days: paid work	F1	0	Not marked	F17a: pdwrk-dngna: Same format, values and categories
	edctn	Doing last 7 days: education		1	Marked	
	uempla	Doing last 7 days: unemployed, actively looking for job				See Section C2
	uempli	Doing last 7 days: unemployed, not actively looking for job				
	dsbld	Doing last 7 days: permanently sick or disabled				
	rtrd	Doing last 7 days: retired				
	cmsrv	Doing last 7 days: community or military service				
	hswrk	Doing last 7 days: housework, looking after children, others				
	dngoth	Doing last 7 days: other				
	dngref	Doing last 7 days: refusal				
	dngdk	Doing last 7 days: don't know				
	dngna	Doing last 7 days: no answer				
						If more than one coded at F17a
F17c	mainact	Main activity last 7 days	F2	1	Paid work	
				2	Education	
				3	Unemployed, looking for job	
				4	Unemployed, not looking for job	
				5	Permanently sick or disabled	
				6	Retired	
				7	Community or military service	
				8	Housework, looking after children, others	
				9	Other	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						If NOT code 1 at F17a
F18	crpdwk	Control paid work last 7 days	F1	1	Yes	Go to F21
				2	No	Ask F19
				6	Not applicable	
				7	Refusal	
				8	Don't know	Ask F19
				9	No answer	
						If code 2, 7 or 8 at F18
F19	pdjobev	Ever had a paid job	F1	1	Yes	Ask F20
				2	No	Go to F36
				6	Not applicable	
				7	Refusal	
				8	Don't know	Go to F36
				9	No answer	

Table F.1f. Data file 1: Main questionnaire, section F

Qno	Name	Label	Format	Values	Categories	Comment
						If code 1 at F19
F20	pdjobyr	Year last in paid job	F4	6666	Not applicable	Calendar year
				7777	Refusal	
				8888	Don't know	
				9999	No answer	
						If code 1 at F17a pdwrk, or code 1 at F18, or code 1 at F19
F21	emplrel	Employment relation	F1	1	Employee	Go to F23
				2	Self-employed	Ask F22
				3	Working for own family business	Go to F23
				6	Not applicable	
				7	Refusal	Go to F23
				8	Don't know	
				9	No answer	
						If code 2 at F21
						Go to F24 if number of employees given at F22
F22	emplno	Number of employees respondent has/had	F5	66666	Not applicable	
				77777	Refusal	Go to F24
				88888	Don't know	
				99999	No answer	
						If code 1, 3, 7 or 8 at F21
F23	wrkctra	Employment contract unlimited or limited duration	F1	1	Unlimited	
				2	Limited	
				3	No contract	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						If code 1 at F17a pdwrk, or code 1 at F18, or code 1 at F19
F24	estsz	Establishment size	F1	1	Under 10	
				2	10 to 24	
				3	25 to 99	
				4	100 to 499	
				5	500 or more	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						If code 1 at F17a pdwrk, or code 1 at F18, or code 1 at F19
F25	jbspv	Responsible for supervising other employees	F1	1	Yes	Ask F26
				2	No	Go to F27

Qno	Name	Label	Format	Values	Categories	Comment
				6	Not applicable	
				7	Refusal	
				8	Don't know	Go to F27
				9	No answer	
						If code 1 at F25
F26	njbspv	Number of people responsible for in job	F5	66666	Not applicable	
				77777	Refusal	
				88888	Don't know	
				99999	No answer	
						If code 1 at F17a pdwrk, or code 1 at F18, or code 1 at F19
F27	wkdcorga	Allowed to decide how daily work is organised	F2	0	I have/had no influence	F27-F28: Same format, values and categories
F28	iorgact	Allowed to influence policy decisions about activities of organisation		1	1	
				2	2	
				3	3	
				4	4	
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	I have/had complete control	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						If code 1 at F17a pdwrk, or code 1 at F18, or code 1 at F19
F29	wkhct	Total contracted hours per week in main job overtime excluded	F3	555	Do not have set 'basic' or contracted number of hours	
				666	Not applicable	
				777	Refusal	
				888	Don't know	
				999	No answer	
						If code 1 at F17a pdwrk, or code 1 at F18, or code 1 at F19
F30	wkhtot	Total hours normally worked per week in main job overtime included	F3	666	Not applicable	
				777	Refusal	
				888	Don't know	
				999	No answer	
						If code 1 at F17a pdwrk, or code 1 at F18, or code 1 at F19
F31	nacer2	Industry, NACE rev.2	F3	666	Not applicable	NACE Rev.2, see section D1.4
				777	Refusal	

Qno	Name	Label	Format	Values	Categories	Comment
				888	Don't know	
				999	No answer	
						If code 1 at F17a pdwrk, or code 1 at F18, or code 1 at F19
F32	tporgwk	What type of organisation work/worked for	F2	1	Central or local government	
				2	Other public sector (such as education and health)	
				3	A state owned enterprise	
				4	A private firm	
				5	Self employed	
				6	Other	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						If code 1 at F17a pdwrk, or code 1 at F18, or code 1 at F19
F33-34a	isco08	Occupation, ISCO08	F5	66666	Not applicable	ISCO08, see section D1.3
				77777	Refusal	
				88888	Don't know	
				99999	No answer	
						If code 1 at F17a pdwrk, or code 1 at F18, or code 1 at F19
F35	wrkac6m	Paid work in another country, period more than 6 months last 10 years	F1	1	Yes	
				2	No	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						Ask all
F36	uemp3m	Ever unemployed and seeking work for a period more than three months	F1	1	Yes	Ask F37
				2	No	
				7	Refusal	Go to F39
				8	Don't know	
				9	No answer	
						If code 1 at F36
F37	uemp12m	Any period of unemployment and work seeking lasted 12 months or more	F1	1	Yes	F37-F38: Same format, values and categories
				2	No	
F38	uemp5yr	Any period of unemployment and work seeking within last 5 years		6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						Ask all
F39	mbtru	Member of trade union or similar organisation	F1	1	Yes, currently	
				2	Yes, previously	

Qno	Name	Label	Format	Values	Categories	Comment
				3	No	
				7	Refusal	
				8	Don't know	
				9	No answer	
						Ask all
F40	hincsrca	Main source of household income	F2	1	Wages or salaries	
				2	Income from self-employment (excluding farming)	
				3	Income from farming	
				4	Pensions	
				5	Unemployment/redundancy benefit	
				6	Any other social benefits or grants	
				7	Income from investments, savings etc.	
				8	Income from other sources	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
F41	hinctnta	Household's total net income, all sources	F2	1	J - 1st decile	Coding instructions, see section E1.5
				2	R - 2nd decile	
				3	C - 3rd decile	
				4	M - 4th decile	
				5	F - 5th decile	
				6	S - 6th decile	
				7	K - 7th decile	
				8	P - 8th decile	
				9	D - 9th decile	
				10	H - 10th decile	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
F42	hincfel	Feeling about household's income nowadays	F1	1	Living comfortably on present income	
				2	Coping on present income	
				3	Difficult on present income	
				4	Very difficult on present income	
				7	Refusal	
				8	Don't know	
				9	No answer	
						If code 1 at F4
F44	edulvlpb	Partner's highest level of education	F4	0	Not completed ISCED level 1	ESS education coding frame, see section D2.2
				113	ISCED 1, completed primary education	
				129	Vocational ISCED 2C < 2 years, no access ISCED 3	
				212	General/pre-vocational ISCED 2A/2B, access ISCED 3 vocational	
				213	General ISCED 2A, access ISCED 3A general/all 3	
				221	Vocational ISCED 2C >= 2 years, no access ISCED 3	

Qno	Name	Label	Format	Values	Categories	Comment
				222	Vocational ISCED 2A/2B, access ISCED 3 vocational	
				223	Vocational ISCED 2, access ISCED 3 general/all	
				229	Vocational ISCED 3C < 2 years, no access ISCED 5	
				311	General ISCED 3 >=2 years, no access ISCED 5	
				312	General ISCED 3A/3B, access ISCED 5B/lower tier 5A	
				313	General ISCED 3A, access upper tier ISCED 5A/all 5	
				321	Vocational ISCED 3C >= 2 years, no access ISCED 5	
				322	Vocational ISCED 3A, access ISCED 5B/ lower tier 5A	
				323	Vocational ISCED 3A, access upper tier ISCED 5A/all 5	
				412	General ISCED 4A/4B, access ISCED 5B/lower tier 5A	
				413	General ISCED 4A, access upper tier ISCED 5A/all 5	
				421	ISCED 4 programmes without access ISCED 5	
				422	Vocational ISCED 4A/4B, access ISCED 5B/lower tier 5A	
				423	Vocational ISCED 4A, access upper tier ISCED 5A/all 5	
				510	ISCED 5A short, intermediate/academic/general tertiary below bachelor	
				520	ISCED 5B short, advanced vocational qualifications	
				610	ISCED 5A medium, bachelor/equivalent from lower tier tertiary	
				620	ISCED 5A medium, bachelor/equivalent from upper/single tier tertiary	
				710	ISCED 5A long, master/equivalent from lower tier tertiary	
				720	ISCED 5A long, master/equivalent from upper/single tier tertiary	
				800	ISCED 6, doctoral degree	
				5555	Other	
				6666	Not applicable	
				7777	Refusal	
				8888	Don't know	
				9999	No answer	
	edlvpdxx	Partner's highest level of education, [country]	F4	5555	Other	Country-specific, see section E1.3
				6666	Not applicable	
				7777	Refusal	
				8888	Don't know	
				9999	No answer	
						If code 1 at F4
F45a	pdwrkp	Partner doing last 7 days: paid work	F1	0	Not marked	F45a: pdwrkp - dngnap: Same format, values and categories
	edctnp	Partner doing last 7 days: education		1	Marked	
	uemplap	Partner doing last 7 days: unemployed, actively looking for job				See Section C2
	uemplip	Partner doing last 7 days: unemployed, not actively looking for job				
	dsbldp	Partner doing last 7 days: permanently sick or disabled				

Table F.1f. Data file 1: Main questionnaire, section F

Qno	Name	Label	Format	Values	Categories	Comment
	rtrdp	Partner doing last 7 days: retired				
	cmsrvp	Partner doing last 7 days: community or military service				
	hswrkp	Partner doing last 7 days: housework, looking after children, others				
	dngothp	Partner doing last 7 days: other				
	dngdkp	Partner doing last 7 days: don't know				
	dngnapp	Partner doing last 7 days: not applicable				
	dngrefp	Partner doing last 7 days: refusal				
	dngnap	Partner doing last 7 days: no answer				
F45c	mnactp	Partner's main activity last 7 days	F2	1	Paid work	If more than one coded at F45a
				2	Education	
				3	Unemployed, looking for job	
				4	Unemployed, not looking for job	
				5	Permanently sick or disabled	
				6	Retired	
				7	Community or military service	
				8	Housework, looking after children, others	
				9	Other	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
F46	crpdwkp	Partner, control paid work last 7 days	F1	1	Yes	If NOT code 1 at F45a Ask F47
				2	No	Go to F52
				6	Not applicable	
				7	Refusal	
				8	Don't know	Go to F52
				9	No answer	
F47-49	isco08p	Occupation partner, ISCO08	F5	66666	Not applicable	If code 1 at F45a or code 1 at F46 ISCO08, see section D1.3
				77777	Refusal	
				88888	Don't know	
				99999	No answer	
F50	emprelp	Partner's employment relation	F1	1	Employee	If code 1 at F45a or code 1 at F46
				2	Self-employed	
				3	Working for own family business	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	

Table F.1f. Data file 1: Main questionnaire, section F

Qno	Name	Label	Format	Values	Categories	Comment
						If code 1 at F45a or code 1 at F46
F51	wkhtotp	Hours normally worked a week in main job overtime included, partner	F3	666	Not applicable	
				777	Refusal	
				888	Don't know	
				999	No answer	
						Ask all
F52	edulvlfb	Father's highest level of education	F4	0	Not completed ISCED level 1	ESS education coding frame, see section D2.2
				113	ISCED 1, completed primary education	
				129	Vocational ISCED 2C < 2 years, no access ISCED 3	
				212	General/pre-vocational ISCED 2A/2B, access ISCED 3 vocational	
				213	General ISCED 2A, access ISCED 3A general/all 3	
				221	Vocational ISCED 2C >= 2 years, no access ISCED 3	
				222	Vocational ISCED 2A/2B, access ISCED 3 vocational	
				223	Vocational ISCED 2, access ISCED 3 general/all	
				229	Vocational ISCED 3C < 2 years, no access ISCED 5	
				311	General ISCED 3 >=2 years, no access ISCED 5	
				312	General ISCED 3A/3B, access ISCED 5B/lower tier 5A	
				313	General ISCED 3A, access upper tier ISCED 5A/all 5	
				321	Vocational ISCED 3C >= 2 years, no access ISCED 5	
				322	Vocational ISCED 3A, access ISCED 5B/ lower tier 5A	
				323	Vocational ISCED 3A, access upper tier ISCED 5A/all 5	
				412	General ISCED 4A/4B, access ISCED 5B/lower tier 5A	
				413	General ISCED 4A, access upper tier ISCED 5A/all 5	
				421	ISCED 4 programmes without access ISCED 5	
				422	Vocational ISCED 4A/4B, access ISCED 5B/lower tier 5A	
				423	Vocational ISCED 4A, access upper tier ISCED 5A/all 5	
				510	ISCED 5A short, intermediate/academic/general tertiary below bachelor	
				520	ISCED 5B short, advanced vocational qualifications	
				610	ISCED 5A medium, bachelor/equivalent from lower tier tertiary	
				620	ISCED 5A medium, bachelor/equivalent from upper/single tier tertiary	
				710	ISCED 5A long, master/equivalent from lower tier tertiary	
				720	ISCED 5A long, master/equivalent from upper/single tier tertiary	
				800	ISCED 6, doctoral degree	
				5555	Other	
				7777	Refusal	
				8888	Don't know	
				9999	No answer	

Table F.1f. Data file 1: Main questionnaire, section F

Qno	Name	Label	Format	Values	Categories	Comment
	edlvfdxx	Father's highest level of education, [country]	F4	5555	Other	Country-specific, see section E1.3
				7777	Refusal	
				8888	Don't know	
				9999	No answer	
						Ask all
F53	emprf14	Father's employment status when respondent 14	F1	1	Employee	Ask F54
				2	Self-employed	
				3	Not working	
				4	Father dead/absent	Go to F55
				7	Refusal	
				8	Don't know	Ask F54
				9	No answer	
						If code 1, 2 or 8 at F53
F54	occf14b	Father's occupation when respondent 14	F2	1	Professional and technical occupations	
				2	Higher administrator occupations	
				3	Clerical occupations	
				4	Sales occupations	
				5	Service occupations	
				6	Skilled worker	
				7	Semi-skilled worker	
				8	Unskilled worker	
				9	Farm worker	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
F55	edulvlmb	Mother's highest level of education	F4	0	Not completed ISCED level 1	ESS education coding frame, see section D2.2
				113	ISCED 1, completed primary education	
				129	Vocational ISCED 2C < 2 years, no access ISCED 3	
				212	General/pre-vocational ISCED 2A/2B, access ISCED 3 vocational	
				213	General ISCED 2A, access ISCED 3A general/all 3	
				221	Vocational ISCED 2C >= 2 years, no access ISCED 3	
				222	Vocational ISCED 2A/2B, access ISCED 3 vocational	
				223	Vocational ISCED 2, access ISCED 3 general/all	
				229	Vocational ISCED 3C < 2 years, no access ISCED 5	
				311	General ISCED 3 >=2 years, no access ISCED 5	
				312	General ISCED 3A/3B, access ISCED 5B/lower tier 5A	
				313	General ISCED 3A, access upper tier ISCED 5A/all 5	
				321	Vocational ISCED 3C >= 2 years, no access ISCED 5	
				322	Vocational ISCED 3A, access ISCED 5B/ lower tier 5A	
				323	Vocational ISCED 3A, access upper tier ISCED 5A/all 5	
				412	General ISCED 4A/4B, access ISCED 5B/lower tier 5A	

Qno	Name	Label	Format	Values	Categories	Comment
				413	General ISCED 4A, access upper tier ISCED 5A/all 5	
				421	ISCED 4 programmes without access ISCED 5	
				422	Vocational ISCED 4A/4B, access ISCED 5B/lower tier 5A	
				423	Vocational ISCED 4A, access upper tier ISCED 5A/all 5	
				510	ISCED 5A short, intermediate/academic/general tertiary below bachelor	
				520	ISCED 5B short, advanced vocational qualifications	
				610	ISCED 5A medium, bachelor/equivalent from lower tier tertiary	
				620	ISCED 5A medium, bachelor/equivalent from upper/single tier tertiary	
				710	ISCED 5A long, master/equivalent from lower tier tertiary	
				720	ISCED 5A long, master/equivalent from upper/single tier tertiary	
				800	ISCED 6, doctoral degree	
				5555	Other	
				7777	Refusal	
				8888	Don't know	
				9999	No answer	
	edlvmdxx	Mother's highest level of education, [country]	F4	5555	Other	Country-specific, see section E1.3
				7777	Refusal	
				8888	Don't know	
				9999	No answer	
						Ask all
F56	emprm14	Mother's employment status when respondent 14	F1	1	Employee	Ask F57
				2	Self-employed	
				3	Not working	
				4	Mother dead/absent	Go to F58
				7	Refusal	
				8	Don't know	Ask F57
				9	No answer	
						If codes 1, 2 or 8 at F56
F57	occm14b	Mother's occupation when respondent 14	F2	1	Professional and technical occupations	
				2	Higher administrator occupations	
				3	Clerical occupations	
				4	Sales occupations	
				5	Service occupations	
				6	Skilled worker	
				7	Semi-skilled worker	
				8	Unskilled worker	
				9	Farm worker	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	

Table F.1f. Data file 1: Main questionnaire, section F

Qno	Name	Label	Format	Values	Categories	Comment
						Ask all
F58	atncrse	Improve knowledge/skills: course/lecture/conference, last 12 months	F1	1	Yes	
				2	No	
				7	Refusal	
				8	Don't know	
				9	No answer	
						Ask all
F59	anctry1	First ancestry, European Standard Classification of Cultural and Ethnic Groups	F6	444444	Not classifiable	European Standard Classification of Cultural and Ethnic Groups, see section D2.3
				777777	Refusal	
				888888	Don't know	
				999999	No answer	
	anctry2	Second ancestry, European Standard Classification of Cultural and Ethnic Groups	F6	444444	Not classifiable	
				555555	No second ancestry	
				777777	Refusal	
				888888	Don't know	
				999999	No answer	
	anc1xx	First ancestry, [country]	F6	444444	Not classifiable	Country-specific, see section E1.7
				777777	Refusal	
				888888	Don't know	
				999999	No answer	
	anc2xx	Second ancestry, [country]	F6	444444	Not classifiable	Country-specific, see section E1.7
				555555	No second ancestry	
				777777	Refusal	
				888888	Don't know	
				999999	No answer	

Table F.1g. Data file 1: Main questionnaire, section G

Qno	Name	Label	Format	Values	Categories	Comment
						Ask all
G1	acchome	Location able to access the internet: Home	F1	0	Not marked	G1: acchome - accna: Same format, values and categories
	accwrk	Location able to access the internet: Workplace		1	Marked	
	accmove	Location able to access the internet: On the move				See Section C2
	accoth	Location able to access the internet: Some other place				
	accnone	Location able to access the internet: None of the above				
	accref	Location able to access the internet: Refusal				
	accdk	Location able to access the internet: Don't know				
	accna	Location able to access the internet: No answer				
						Ask all
G2	fampref	Preference settings, how familiar	F1	1	Not at all familiar	G2-G4: Same format, values and categories
G3	famadvs	Advanced search, how familiar		2	Not very familiar	
G4	fampdf	PDF, how familiar		3	Somewhat familiar	
				4	Very familiar	
				5	Completely familiar	
				7	Refusal	
				8	Don't know	
				9	No answer	
						Ask all
G5	mcclose	Online/mobile communication makes people feel closer to one another	F2	0	Not at all	G5-G9: Same format, values and categories
				1	1	
G6	mcinter	Online/mobile communication makes work and personal life interrupt each other		2	2	
				3	3	
G7	mccoord	Online/mobile communication makes it easy to coordinate and manage activities		4	4	
				5	5	
G8	mcpriv	Online/mobile communication undermines personal privacy		6	6	
				7	7	
G9	mcmsinf	Online/mobile communication exposes people to misinformation		8	8	
				9	9	
				10	Completely	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
						Go to G11a/b if number of children given at G10
G10	chldo12	Number of children aged 12 or over	F2	77	Refusal	Go to G22
				88	Don't know	
				99	No answer	
						If code >1 at G10
G11a	gndro12a	Gender of child aged 12 or over	F1	1	Male	Go to G12
				2	Female	
				6	Not applicable	
				7	Refusal	Go to G12
				8	Don't know	Go to G22

Table F.1g. Data file 1: Main questionnaire, section G

Qno	Name	Label	Format	Values	Categories	Comment
				9	No answer	
						If code 1 at G10
G11b	gndro12b	Gender of child aged 12 or over	F1	1	Male	
				2	Female	Ask G12
				6	Not applicable	
				7	Refusal	Ask G12
				8	Don't know	Go to G22
				9	No answer	
						If code 1, 2 or 7 at G11a/G11b
G12	ageo12	Age of child aged 12 or over	F3	666	Not applicable	
				777	Refusal	
				888	Don't know	
				999	No answer	
						If code 1, 2 or 7 at G11a/G11b
G13	hhlio12	Child aged 12 or over lives in same household	F1	1	Yes	
				2	No	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						If code 1, 2 or 7 at G11a/G11b
G14	closeo12	How close to child aged 12 or over	F1	1	Extremely close	
				2	Very close	
				3	Quite close	
				4	Not very close	
				5	Not at all close	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						If code 2 at G13
G15	ttmino12	Travel time to child aged 12 or over, in minutes	F4	6666	Not applicable	
				7777	Refusal	
				8888	Don't know	
				9999	No answer	
						If code 1, 2 or 7 at G11a/G11b
G16	speako12	Speak with child aged 12 or over in person, how often	F2	1	Several times a day	G16-G19: Same format, values and categories
				2	Once a day	
G17	scrno12	Speak with child aged 12 or over and see each other on a screen, how often		3	Several times a week	
				4	Several times a month	
G18	phoneo12	Speak with child aged 12 or over using a phone, how often		5	Once a month	
				6	Less often	
G19	como12	Communicate with child aged 12 or over via text, email or messaging apps, how often		7	Never	
				66	Not applicable	
				77	Refusal	

Qno	Name	Label	Format	Values	Categories	Comment
				88	Don't know	
				99	No answer	
						If code 1, 2 or 7 at G11a/G11b
G20	c19spo12	Speak with child aged 12 or over in person, how often compared with before COVID-19	F2	1	Much more often now	
				2	A little more often now	
				3	About the same	
				4	A little less often now	
				5	Much less often now	
				55	Never in same location now due to pandemic	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
G21	c19mco12	Online/mobile communication with child aged 12 or over, how often compared with before COVID-19	F1	1	Much more often now	
				2	A little more often now	
				3	About the same	
				4	A little less often now	
				5	Much less often now	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						Ask all
G22	livpnt	Parents still alive	F1	1	Yes, both parents	Ask G23
				2	Yes, only my mother	Go to G24
				3	Yes, only my father	
				4	No, no parent	Go to routing instruction before G34
				7	Refusal	
				8	Don't know	
				9	No answer	
						If code 1 at G22
G23	pntmofa	Parents still alive, mother or father	F1	1	Mother	Ask G24
				2	Father	
				6	Not applicable	
				7	Refusal	Ask G24
				8	Don't know	Go to routing instruction before G34
				9	No answer	
						If code 2, 3 at G22 or code 1, 2 or 7 at G23
G24	agepnt	Age of parent	F3	666	Not applicable	
				777	Refusal	
				888	Don't know	
				999	No answer	
						If code 2, 3 at G22 or code 1, 2 or 7 at G23

Table F.1g. Data file 1: Main questionnaire, section G

Qno	Name	Label	Format	Values	Categories	Comment
G25	hhlipnt	Parent lives in same household	F1	1	Yes	
				2	No	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						If code 2, 3 at G22 or code 1, 2 or 7 at G23
G26	closepnt	How close to parent	F1	1	Extremely close	
				2	Very close	
				3	Quite close	
				4	Not very close	
				5	Not at all close	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						If code 2 at G25
G27	ttminpnt	Travel time to parent, in minutes	F4	6666	Not applicable	
				7777	Refusal	
				8888	Don't know	
				9999	No answer	
						If code 2, 3 at G22 or code 1, 2 or 7 at G23
G28	speakpnt	Speak with parent in person, how often	F2	1	Several times a day	G28-G31: Same format, values and categories
				2	Once a day	
G29	scrnpnt	Speak with parent and see each other on a screen, how often		3	Several times a week	
				4	Several times a month	
G30	phonepnt	Speak with parent using a phone, how often		5	Once a month	
				6	Less often	
G31	compnt	Communicate with parent via text, email or messaging apps, how often		7	Never	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						If code 2, 3 at G22 or code 1, 2 or 7 at G23
G32	c19sppnt	Speak with parent in person, how often compared with before COVID-19	F2	1	Much more often now	
				2	A little more often now	
				3	About the same	
				4	A little less often now	
				5	Much less often now	
				55	Never in same location now due to pandemic	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	

Table F.1g. Data file 1: Main questionnaire, section G

Qno	Name	Label	Format	Values	Categories	Comment
G33	c19mcpnt	Online/mobile communication with parent, how often compared with before COVID-19	F1	1	Much more often now	
				2	A little more often now	
				3	About the same	
				4	A little less often now	
				5	Much less often now	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						If code 1 at F17a or code 1 at F18
G34	stfmjob	How satisfied are you in your main job	F2	0	Extremely dissatisfied	
				1	1	
				2	2	
				3	3	
				4	4	
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Extremely satisfied	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						If code 1 at F17a or code 1 at F18
G35	trdawrk	Too tired after work to enjoy things like doing at home, how often	F1	1	Never	
				2	Hardly ever	
				3	Sometimes	
				4	Often	
				5	Always	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						If code 1 at F17a or code 1 at F18
G36	jbprtfp	Job prevents you from giving time to partner/family, how often	F2	1	Never	
				2	Hardly ever	
				3	Sometimes	
				4	Often	
				5	Always	
				6	Don't have partner/family	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						If code 1-5, 77 or 88 at G36

Table F.1g. Data file 1: Main questionnaire, section G

Qno	Name	Label	Format	Values	Categories	Comment
G37	pfmfdjba	Partner/family fed up with pressure of your job, how often	F1	1	Never	
				2	Hardly ever	
				3	Sometimes	
				4	Often	
				5	Always	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						If code 1 at F17a or code 1 at F18
G38	dcsfwrka	Current job: can decide time start/finish work	F1	1	Not at all	
				2	To some extent	
				3	Completely	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						If code 1 at F17a or code 1 at F18
G39	wrkhome	Work from home or place of choice, how often	F2	1	Every day	
				2	Several times a week	
				3	Several times a month	
				4	Once a month	
				5	Less often	
				6	Never	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						If code 1 at F17a or code 1 at F18
G40	c19whome	Work from home or place of choice, how often compared with before COVID-19	F2	1	Much more often now	
				2	A little more often now	
				3	About the same	
				4	A little less often now	
				5	Much less often now	
				55	I cannot work from home or from another place of my choice	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						If code 1, 2, 4 or 5 at G40
G40a	c19wplch	Work place change occurred as a result of COVID-19	F1	1	Yes, entirely	
				2	Yes, in part	
				3	No	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	

Table F.1g. Data file 1: Main questionnaire, section G

Qno	Name	Label	Format	Values	Categories	Comment
						If code 1 at F17a or code 1 at F18
G41	wrklong	Employees expected to work overtime, how often	F2	1	Every day	
				2	Several times a week	
				3	Several times a month	
				4	Once a month	Ask G42
				5	Less often	
				6	Never	
				55	I don't work in an organisation	Go to G44
				66	Not applicable	
				77	Refusal	
				88	Don't know	Ask G42
				99	No answer	
						If code 1-6, 77 or 88 at G41
G42	wrkresp	Employees expected to be responsive outside working hours, how often	F2	1	Every day	
				2	Several times a week	
				3	Several times a month	
				4	Once a month	
				5	Less often	
				6	Never	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						If code 1-6, 77 or 88 at G41
G43	c19whacc	Work from home or place of choice, how accepted compared with before COVID-19	F2	1	Much more accepted now	
				2	A little more accepted now	
				3	About the same	
				4	A little less accepted now	
				5	Much less accepted now	
				33	Employees need to work from home due to coronavirus restrictions	
				44	Employees in my organisation do not have a regular workplace	
				55	Employees in my organisation do not work regularly from home or from another place of their choice	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						If code 1 at F17a or code 1 at F18
G44	mansupp	Line manager supports employees in balancing work, how much	F2	0	Not at all	
				1	1	
				2	2	
				3	3	
				4	4	
				5	5	
				6	6	
				7	7	

Qno	Name	Label	Format	Values	Categories	Comment
				8	8	
				9	9	
				10	Completely	
				55	I don't have a line manager	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						If code 0-10, 77 or 88 at G44
G45	manhlp	Line manager gives work-related help, how likely	F1	1	Very likely	
				2	Likely	
				3	Not very likely	
				4	Not at all likely	
				6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						If code 0-10, 77 or 88 at G44
G46	manwrkpl	Line manager and respondent are at the same workplace, how often	F2	1	Every day	
				2	Several times a week	
				3	Several times a month	
				4	Once a month	
				5	Less often	
				6	Never	
				44	I don't have a regular workplace	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						If code 0-10, 77 or 88 at G44
G47	manspeak	Speak with line manager about work in person, how often	F2	1	Several times a day	G47-G50: Same format, values and categories
				2	Once a day	
G48	manscrn	Speak with line manager about work and see each other on a screen, how often		3	Several times a week	
				4	Several times a month	
G49	manphone	Speak with line about work manager using a phone, how often		5	Once a month	
				6	Less often	
G50	mancom	Communicate with line manager about work via text, email or messaging apps, how often		7	Never	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						If code 1 at F17a or code 1 at F18
G51	teamfeel	Feel like part of your team, how much	F2	0	Not at all	
				1	1	
				2	2	
				3	3	
				4	4	

Qno	Name	Label	Format	Values	Categories	Comment
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Completely	
				55	I don't work in a team	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						If code 0-10, 77 or 88 at G51
G52	wrkextra	Take on extra responsibilities at work without being paid more	F2	0	Not at all willing	
				1	1	
				2	2	
				3	3	
				4	4	
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Completely willing	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						If code 1 at F17a or code 1 at F18
G53	colprop	Proportion of colleagues based at the same location	F2	1	All	
				2	Very large	
				3	Over a half	
				4	About half	Ask G54
				5	Under a half	
				6	Very small	
				7	None	
				55	I don't have colleagues	Go to routing instruction before G59
				66	Not applicable	
				77	Refusal	Ask G54
				88	Don't know	
				99	No answer	
						If code 1-7, 77 or 88 at G53
G54	colhlp	Colleagues give work-related help, how likely	F1	1	Very likely	
				2	Likely	
				3	Not very likely	
				4	Not at all likely	
				6	Not applicable	
				7	Refusal	

Qno	Name	Label	Format	Values	Categories	Comment
				8	Don't know	
				9	No answer	
						If code 1-7, 77 or 88 at G53
G55	colspeak	Speak with colleagues in person, how often	F2	1	Several times a day	
				2	Once a day	
G56	colscrn	Speak with colleagues about work and see each other on a screen, how often		3	Several times a week	
				4	Several times a month	
G57	colphone	Speak with colleagues about work using a phone, how often		5	Once a month	
				6	Less often	
G58	colcom	Communicate with colleagues about work via text, email or messaging apps, how often		7	Never	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						If code 0-10, 77 or 88 at G44 or code 1-7, 77 or 88 at G53
G59	c19spwrk	Speak with people you work with in person, how often compared with before COVID-19	F2	1	Much more often now	
				2	A little more often now	
				3	About the same	
				4	A little less often now	
				5	Much less often now	
				55	Never in same location now due to pandemic	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						If code 0-10, 77 or 88 at G44 or code 1-7, 77 or 88 at G53
G60	c19mcwrk	Online/mobile communication with people you work with, how often compared with before COVID-19	F2	1	Much more often now	
				2	A little more often now	
				3	About the same	
				4	A little less often now	
				5	Much less often now	
				55	I don't have online or mobile communication with the people I work with	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						If code 1-5, 77 or 88 at G60
G61	mcwrkhom	Online/mobile communication makes it easy to work from home or place of choice	F2	0	Not at all	
				1	1	
				2	2	
				3	3	
				4	4	
				5	5	

Qno	Name	Label	Format	Values	Categories	Comment
				6	6	
				7	7	
				8	8	
				9	9	
				10	Completely	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	

Table F.1h. Data file 1: Main questionnaire, section H

Qno	Name	Label	Format	Values	Categories	Comment
						Ask all
Ha	ipcrtiv	Important to think new ideas and being creative	F1	1	Very much like me	Ha-Hu: Same format, values and categories
Hb	imprich	Important to be rich, have money and expensive things		2	Like me	
Hc	ipeqopt	Important that people are treated equally and have equal opportunities		3	Somewhat like me	
				4	A little like me	
Hd	ipshabt	Important to show abilities and be admired		5	Not like me	
He	impsafe	Important to live in secure and safe surroundings		6	Not like me at all	
				7	Refusal	
Hf	impdiff	Important to try new and different things in life		8	Don't know	
				9	No answer	
Hg	ipfrule	Important to do what is told and follow rules				
Hh	ipudrst	Important to understand different people				
Hi	ipmodst	Important to be humble and modest, not draw attention				
Hj	ipgdtim	Important to have a good time				
Hk	impfree	Important to make own decisions and be free				
Hl	iphlppl	Important to help people and care for others well-being				
Hm	ipsuces	Important to be successful and that people recognise achievements				
Hn	ipstrgv	Important that government is strong and ensures safety				
Ho	ipadvnt	Important to seek adventures and have an exciting life				
Hp	ipbhprp	Important to behave properly				
Hq	iprspot	Important to get respect from others				
Hr	iplylfr	Important to be loyal to friends and devote to people close				
Hs	impenv	Important to care for nature and environment				
Ht	imptrad	Important to follow traditions and customs				
Hu	impfun	Important to seek fun and things that give pleasure				

Table F.1i. Data file 1: Main questionnaire, section I

Qno	Name	Label	Format	Values	Categories	Comment
						If code 1 at C33
I1	testii1	Imagine large numbers of people limit energy use, how likely reduce climate change	F1	1	Not at all likely	I1-I3: Same format, values and categories
				2	Not very likely	
I2	testii2	How likely, large numbers of people limit energy use		3	Likely	
				4	Very likely	
I3	testii3	How likely, governments in enough countries take action to reduce climate change		6	Not applicable	
				7	Refusal	
				8	Don't know	
				9	No answer	
						If code 2 at C33
I4	testii4	Imagine large numbers of people limit energy use, how likely reduce climate change	F2	0	Not at all likely	I4-I6: Same format, values and categories
				1	1	
I5	testii5	How likely, large numbers of people limit energy use		2	2	
				3	3	
I6	testii6	How likely, governments in enough countries take action to reduce climate change		4	4	
				5	5	
				6	Extremely likely	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						If code 3 at C33
I7	testii7	Imagine large numbers of people limit energy use, how likely reduce climate change	F2	0	Not at all likely	I7-I9: Same format, values and categories
				1	1	
I8	testii8	How likely, large numbers of people limit energy use		2	2	
				3	3	
I9	testii9	How likely, governments in enough countries take action to reduce climate change		4	4	
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Extremely likely	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	

Table F.1k. Data file 1: Main questionnaire, section K (optional module)

Qno	Name	Label	Format	Values	Categories	Comment
						Ask all
K1	secgrdec	Small secret group of people responsible for making all major decisions in world politics	F1	1	Agree strongly	K1-K2: Same format, values and categories
				2	Agree	
				3	Neither agree nor disagree	
K2	scidecpb	Groups of scientists manipulate, fabricate, or suppress evidence in order to deceive the public		4	Disagree	
				5	Disagree strongly	
				7	Refusal	
				8	Don't know	
				9	No answer	
						Code all by automated random allocation
K3	admc19	Administration of COVID-19 questions	F1	1	Group 1	Go to introduction before K4a
				2	Group 2	Go to introduction before K4b
				9	Not available	
						If code 1 at K3
K4a	panpriph	More important for governments to prioritise public health or economic activity when fighting a pandemic	F2	0	Much more important to prioritise public health	
				1	1	
				2	2	
				3	3	
				4	4	
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Much more important to prioritise economic activity	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						If code 1 at K3
K5a	panmonpb	More important for governments to monitor and track the public or to maintain public privacy when fighting a pandemic	F2	0	Much more important to monitor and track the public	
				1	1	
				2	2	
				3	3	
				4	4	
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Much more important to maintain public privacy	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	

Table F.1k. Data file 1: Main questionnaire, section K (optional module)

Qno	Name	Label	Format	Values	Categories	Comment
						If code 2 at K3
K4b	govpriph	More important for governments to prioritise public health or economic activity	F2	0	Much more important to prioritise public health	
				1	1	
				2	2	
				3	3	
				4	4	
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Much more important to prioritise economic activity	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						If code 2 at K3
K5b	govmonpb	More important for governments to monitor and track the public or to maintain public privacy	F2	0	Much more important to monitor and track the public	
				1	1	
				2	2	
				3	3	
				4	4	
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Much more important to maintain public privacy	
				66	Not applicable	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
K6	panfolru	More important to follow government rules or to make own decisions when fighting a pandemic	F2	0	Much more important to follow government rules	
				1	1	
				2	2	
				3	3	
				4	4	
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Much more important to make your own decisions	
				77	Refusal	
				88	Don't know	
				99	No answer	

Table F.1k. Data file 1: Main questionnaire, section K (optional module)

Qno	Name	Label	Format	Values	Categories	Comment
						Ask all
K7	panclobo	How important for country to close its borders when fighting a pandemic	F2	0	Not at all important	K7-K8: Same format, values and categories
K8	panresmo	How important to restrict people's movement between different parts of country when fighting a pandemic		1	1	
				2	2	
				3	3	
				4	4	
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Extremely important	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
K9	gvhanc19	How satisfied with government's handling of COVID-19 in country	F2	0	Extremely dissatisfied	
K10	gvjobc19	How satisfied with government's response to COVID-19: people who have experienced job/income losses		1	1	
				2	2	
				3	3	
				4	4	
K11	gveldc19	How satisfied with government's response to COVID-19: elderly people in care homes		5	5	
				6	6	
				7	7	
K12	gvfamc19	How satisfied with government's response to COVID-19: families with school-aged children		8	8	
				9	9	
				10	Extremely satisfied	
K13	hscopc19	How satisfied with the way health services coped with COVID-19 and its consequences in country		77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
K14	gvbalc19	How the government balanced protecting the economy and people's health when responding to COVID-19 in country	F2	0	Placed far too much importance on protecting the economy / not enough on protecting the people's health	
				1	1	
				2	2	
				3	3	
				4	4	
				5	They got balance about right	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Placed far too much importance on protecting the people's health / not enough on protecting the economy	
				77	Refusal	
				88	Don't know	
				99	No answer	

Table F.1k. Data file 1: Main questionnaire, section K (optional module)

Qno	Name	Label	Format	Values	Categories	Comment
						Ask all
K15	gvimpc19	To what extent trust the government to deal with the impact of COVID-19 in country	F2	0	No trust at all	
				1	1	
				2	2	
				3	3	
				4	4	
				5	5	
				6	6	
				7	7	
				8	8	
				9	9	
				10	Complete trust	
				77	Refusal	
				88	Don't know	
				99	No answer	
						Ask all
K16	gvconc19	COVID-19 is result of deliberate and concealed efforts of some government or organisation	F1	1	Agree strongly	
				2	Agree	
				3	Neither agree nor disagree	
				4	Disagree	
				5	Disagree strongly	
				7	Refusal	
				8	Don't know	
				9	No answer	
						Ask all
K17	respc19	Respondent had COVID-19	F1	1	Yes, I tested positive for COVID-19	
				2	Yes, I think I had COVID-19 but was not tested/did not test positive	
				3	No, I have not had COVID-19	
				7	Refusal	
				8	Don't know	
				9	No answer	
						Ask all
K18	reshhc19	Anyone living with respondent had COVID-19	F1	1	Yes, someone living with me tested positive for COVID-19	
				2	Yes, I think someone living with me had COVID-19 but they were not tested/did not test positive	
				3	No, no one living with me had COVID-19	
				4	I have not lived with anyone since the start of the pandemic	
				7	Refusal	
				8	Don't know	
				9	No answer	
						If F3 > 1950
K19	hapljc19	Things happened since start of COVID-19: was made redundant/lost job	F1	0	Not marked	K19 hapljc19-hapnac19: Same format, values and categories
				1	Marked	
	hapirc19	Things happened since start of COVID-19: income from job was reduced				See Section C2
	hapwrc19	Things happened since start of COVID-19: working hours were reduced				

Table F.1k. Data file 1: Main questionnaire, section K (optional module)

Qno	Name	Label	Format	Values	Categories	Comment
	hapfuc19	Things happened since start of COVID-19: was furloughed				
	hapfoc19	Things happened since start of COVID-19: was forced to take unpaid leave/holiday				
	hapnoc19	Things happened since start of COVID-19: none of these				
	hapnwc19	Things happened since start of COVID-19: not in work since start of COVID-19				
	hapnpc19	Things happened since start of COVID-19: not applicable				
	haprec19	Things happened since start of COVID-19: refusal				
	hapdkc19	Things happened since start of COVID-19: don't know				
	hapnac19	Things happened since start of COVID-19: no answer				
						Ask all
K20check	icvacc19	COVID-19 vaccine approved by national regulatory authority and available to the public in country	F1	1 2 9	Yes No Not available	Go to K20a Go to K20b
						If code 1 at K20check
K20a	getavc19	Whether respondent will get vaccinated against COVID-19 with vaccine approved by the national regulatory authority in country	F1	1 2 3 6 7 8 9	Yes, I will Yes, I already have No Not applicable Refusal Don't know No answer	
						If code 2 at K20check
K20b	getnvc19	Whether respondent would get vaccinated against COVID-19 if vaccine is approved by the national regulatory authority in country	F1	1 2 6 7 8 9	Yes, I would No, I would not Not applicable Refusal Don't know No answer	

Table F.1v Data file 1: Main questionnaire, section V

V1	vdcond	Interview conducted, how	F1	1	In person inside respondent's home
				2	In person outside respondent's home
				3	By video
				9	Not available

V2	vdovexre	Respondent's overall experience of taking part in survey	F2	0	Very negative experience
				1	1
				2	2
				3	3
				4	4
				5	5
				6	6
				7	7
				8	8
				9	9
				10	Very positive experience
				77	Refusal
				88	Don't know
				99	No answer

V3	vdtype	Type of device used for video interview	F1	1	Desktop or laptop PC
				2	Tablet
				3	Smartphone
				4	Other
				6	Not applicable
				7	Refusal
				8	Don't know
				9	No answer

V4	vdtpsvre	Respondent's experience of technical problems: starting video call	F1	0	Not marked
				1	Marked
	vdtpitre	Respondent's experience of technical problems: internet connection affecting video call			
	vdtpscre	Respondent's experience of technical problems: displaying showcards			
	vdtpaure	Respondent's experience of technical problems: audio not being clear			
	vdtpvire	Respondent's experience of technical problems: video display not being clear			
	vdtpoire	Respondent's experience of technical problems: other issue			
	vdtpntre	Respondent's experience of technical problems: no technical issues			
	vdtpapre	Respondent's experience of technical problems: not applicable			
	vdtprere	Respondent's experience of technical problems: refusal			
	vdtpdkre	Respondent's experience of technical problems: don't know			
	vdtpnare	Respondent's experience of technical problems: no answer			

Table F.1j. Data file 1: Other variables

Qno	Name	Label	Format	Values	Categories	Comment
	regionxx	Region, [country]	A5	"99999"	Not available	See section E1.4
						Fill in for all
	inwds˜	Start of interview	YMDHMS19			See section E3.1
	ainws˜	Start of section A	YMDHMS19			Date/time: *yyyy-mm-dd hh:mm:ss*
	ainwe˜	End of section A	YMDHMS19			
	binwe˜	End of section B	YMDHMS19			
	cinwe˜	End of section C	YMDHMS19			
	dinwe˜	End of section D	YMDHMS19			
	finwe˜	End of section F	YMDHMS19			
	ginwe˜	End of section G	YMDHMS19			
	hinwe˜	End of section H	YMDHMS19			
	iinwe˜	End of section I	YMDHMS19			
	kinwe[16]	End of section K	YMDHMS19			
	vinwe˜	End of section V	YMDHMS19			
	inwde˜	End of interview	YMDHMS19			
	jinws˜	Start of section J	YMDHMS19			
	jinwe˜	End of section J	YMDHMS19			

˜ New timestamp variable added in ESS10.

[16] New timestamp variable as part of the optional ESS10 COVID-19 module.

Table F.2. Data file 2: Interviewer's questionnaire; Idno and Cntry

Qno	Name	Label	Format	Values	Categories	Comment
	idno	Respondent's identification number	F9			See section E2
	cntry	Country	A2			See sections E1.1 and E2
	intagea	Age of interviewer	F3	999	Not available	See section E3.1
	intgndr	Gender of interviewer	F1	1	Male	
				2	Female	
				9	Not available	
						Ask all
J1	resclq	Clarification of questions	F1	1	Never	J1-J4: Same format, values and categories
J2	resrelq	Respondent reluctant to answer		2	Almost never	
J3	resbab	Respondent tried to answer questions to the best of ability		3	Now and then	
				4	Often	
J4	resundq	Respondent understood the questions		5	Very often	
				8	Don't know	
				9	No answer	
						Ask all
J5	preintf	Anyone present who interfered with the interview	F1	1	Yes	Ask J6
				2	No	Go to J6a
				9	No answer	
						If code 1 at J5
J6	prewhp	Husband/wife/partner interfered with interview	F1	0	Not marked	J6 prewhp-prena: Same format, values and categories
				1	Marked	
	presd	Son/daughter (inc. step/adopted) interfered with interview				See Section C2
	preppil	Parent/parent in law interfered with interview				
	preorel	Other relative interfered with interview				
	prenrel	Other non-relative interfered with interview				
	predk	Don't know who interfered with interview				
	prenap	Who interfered with interview not applicable				
	prena	Who interfered with interview no answer				
						Ask all
J6a	resswcd	Respondent's use of showcards, extent	F1	1	Respondent used all of the applicable showcards	
				2	Respondent used only some of the applicable showcards	
				3	Respondent refused/ was unable to use the showcards at all	
				8	Don't know	
				9	No answer	

Table F.2. Data file 2: Interviewer's questionnaire; Idno and Cntry

Qno	Name	Label	Format	Values	Categories	Comment
						Ask all
J6b	vdovexin~	Interviewer's overall experience of conducting interview	F2	0	Very negative experience	
				1		
				2		
				3		
				4		
				5		
				6		
				7		
				8		
				9		
				10	Very positive experience	
				77	Refusal	
				88	Don't know	
				99	No answer	
						If code 3 at V1
J6c	vdtpsvin~	Interviewer's experience of technical problems: starting video call	F1	0	Not marked	J6c: :Same format, values and categories
				1	Marked	
	vdtpitin~	Interviewer's experience of technical problems: internet connection affecting video call				See Section C2
	vdtpscin~	Interviewer's experience of technical problems: displaying showcards				
	vdtpauin~	Interviewer's experience of technical problems: audio not being clear				
	vdtpviin~	Interviewer's experience of technical problems: video display not being clear				
	vdtpoiin~	Interviewer's experience of technical problems: other issues				
	vdtpntin~	Interviewer's experience of technical problems: no technical issues				
	vdtpapre~	Interviewer's experience of technical problems: not applicable				
	vdtprein~	Interviewer's experience of technical problems: refusal				
	vdtpdkin~	Interviewer's experience of technical problems: don't know				
	vdtpnain~	Interviewer's experience of technical problems: no answer				
						Ask all
J7	intlnga	Interview questionnaire language	A3	"999"	No answer	ISO 639-2, see section D1.2
						Ask all
J8	intnum	Interviewer's identification number	F6	999999	Not available	See table F3: intnum= intnum1 or intnum2 or intnum3 See also section E3.1
						Ask all
J9	acomint	Additional comments on the interview, interviewer	A50			In language of interview

~ New variable added in ESS10

Table F.3. Data file 3: Contact forms; Idno and Cntry

Qno	Name	Label	Format	Values	Categories	Comment
	idno	Respondent's identification number	F9			Fill in for all
	cntry	Country	A2			Fill in for all
	typesamp	Type of the sample	F1	1	Individual person	Fill in for all
				2	Household	
				3	Address	
	age_su[1]	Exact age of the sample unit (individual sample frame)	F3	666	Not applicable	Fill in if typesamp=1
				999	Not available	
	gndr_su	Gender of the sample unit (individual sample frame)	F1	1	Male	Fill in if typesamp=1
				2	Female	
				6	Not applicable	
				9	Not available	
CFA1	numdw	Number of dwellings at the address	F3	666	Not applicable	Fill in if typesamp=3
				999	Not available	
CFA2	dwselect	Number of dwellings selected at the address	F3	666	Not applicable	Fill in if typesamp=3 and numdw > 1
				999	Not available	
CFA3	dwslnum1	Dwelling number of first randomly selected dwelling	F3	666	Not applicable	Fill in if typesamp=3 and numdw > 1 Fill in: dwslnum1 for 1st selected dwelling. dwslnum2 for 2nd selected dwelling. dwslnumN for Nth selected dwelling.
	dwslnum2	Dwelling number of second randomly selected dwelling		999	Not available	
	dwslnumN	Dwelling number of Nth randomly selected dwelling				
	multdnum	Identification number of dwelling at address	F3	666	Not applicable	Fill in if typesamp=3 and dwselect > 1
				999	Not available	
CFB1	ndwmem	Number of members 15 years or more in dwelling	F2	66	Not applicable	Fill in if typesamp=2,3
				99	Not available	
	prselapp	Person selection approach used	F1	1	Random CAPI selection with enumeration	Fill in if typesamp=2,3 and ndwmem > 1
				2	Last birthday	
				3	Rizzo	
				6	Not applicable	
				9	Not available	

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[1] Top coded to 90

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Table F.3. Data file 3: Contact forms; Idno and Cntry

Qno	Name	Label	Format	Values	Categories	Comment
						Fill in if prselapp=1,3
CFB4	prselnum	Person number of randomly selected person	F2	66	Not applicable	
				99	Not available	
						Fill in for all
CFB7	telnum	Telephone number	F1	1	Present	
				2	No phone	
				3	Refused	
				9	Not available	
	prsselca	Contact attempt at which person selection took place	F3	666	Not applicable	Fill in if typesamp=2,3 and ndwmem > 1
				999	Not available	
CFB8	prselinf	Person who provided information to conduct the respondent selection procedure	F1	1	Target respondent	Fill in if typesamp=2,3 and ndwmem > 1
				2	Someone else	
				6	Not applicable	
				9	Not available	
	defectcf	Contact form information for the sample unit	F1	1	Contact form filled in by interviewer	Fill in for all
				2	Contact form missing	
	interva	Interview information for the sample unit	F1	1	Complete and valid interview related to CF	Fill in for all
				2	Interview incomplete	
				3	Interview invalid	
				4	No interview because of opt out list	
				5	No interview for other reason	
				9	Not available	
	sbatch	Sample batch number (on first entry into the field)	F3	666	Not applicable	Fill in for all
						intnum1-intnumN: See section E3.1
	intnum1	Interviewer-number of the interviewer who started the contact attempts	F6	999999	Not available	Fill in for all
	totcin1	Number of contact attempts the original interviewer (intnum1) did	F3	999	Not available	Fill in for all
	intnum2	Interviewer-number of the interviewer who started the re-issue	F6	666666	Not applicable	Fill in if more than one interviewer deployed for sample unit
				999999	Not available	
	totcin2	Number of contact attempts the second interviewer (intnum2) did	F3	666	Not applicable	Fill in if more than one interviewer deployed for sample unit
				999	Not available	
	intnum3	Interviewer-number of the third interviewer	F6	666666	Not applicable	Fill in if more than two interviewers deployed for sample unit
				999999	Not available	

Table F.3. Data file 3: Contact forms; Idno and Cntry

Qno	Name	Label	Format	Values	Categories	Comment
	totcin3	Number of contact attempts the third interviewer (intnum3) did	F3	666 999	Not applicable Not available	Fill in if more than two interviewers deployed for sample unit
	intnumN	Interviewer-number of the Nth interviewer	F6	666666 999999	Not applicable Not available	Fill in if N interviewers deployed for sample unit
	totcinN	Number of visits the Nth interviewer (intnumN) did	F3	666 999	Not applicable Not available	Fill in if N interviewers deployed for sample unit
	dateca1	Date/time of the first contact attempt	YMDHMS16			Fill in for all Date/time: *yyyy-mm-dd hh:mm*
	dateca2	Date/time of the second contact attempt	YMDHMS16			Fill in according to total number of contact attempts for sample unit. Date/time: *yyyy-mm-dd hh:mm*
	dateca3	Date/time of the third contact attempt				
	dateca4	Date/time of the fourth contact attempt				
	dateca5	Date/time of the fifth contact attempt				
	dateca6	Date/time of the sixth contact attempt				
	dateca7	Date/time of the seventh contact attempt				
	dateca8	Date/time of the eighth contact attempt				
	dateca9	Date/time of the ninth contact attempt				
	datecaN	Date/time of the Nth contact attempt				
CFC1	modeca1	Mode of the first contact attempt	F2	1 2 3 4 5 6 99	Personal face-to-face Telephone Personal but only by intercom Information through survey organisation Video call Other Not available	Fill in for all
CFC1	modeca2	Mode of the second contact attempt	F2	1 2 3 4 5 6 66 99	Personal face-to-face Telephone Personal but only by intercom Information through survey organisation Video call Other Not applicable Not available	Fill in according to total number of contact attempts for sample unit
	modeca3	Mode of the third contact attempt				
	modeca4	Mode of the fourth contact attempt				
	modeca5	Mode of the fifth contact attempt				
	modeca6	Mode of the sixth contact attempt				
	modeca7	Mode of the seventh contact attempt				
	modeca8	Mode of the eighth contact attempt				
	modeca9	Mode of the ninth contact attempt				
	modecaN	Mode of the Nth contact attempt				
	numtel	Number of automatic calls before first face-to-face contact or contact attempts	F3	666 999	Not applicable Not available	numtel, numtela: See section E4 Record total number of automatic telephone calls occurring before first face-to-face contact/contact attempt.

Qno	Name	Label	Format	Values	Categories	Comment
	numtela	Number of automatic calls after first face-to-face contact or contact attempts	F3	666	Not applicable	Record automatic telephone calls occurring after achieving first face-to-face contact.
				999	Not available	
						Fill in for all
CFC2	resulb1	Result of the first contact attempt	F2	1	Completed interview	Go to CFN1
				2	Partial interview	
				3	Contact with unidentified person	
				4	Contact with target respondent but no interview	Fill in outnic1
				5	Contact with someone other than target respondent	
				6	No contact at all	Go to CFN1
				7	Invalid address	Go to outinval
				8	Other information about sample unit	Fill in outnic1
				99	Not available	
						Fill in according to total number of contact attempts for sample unit
CFC2	resulb2	Result of the second contact attempt	F2	1	Completed interview	Go to CFN1
	resulb3	Result of the third contact attempt		2	Partial interview	
	resulb4	Result of the fourth contact attempt		3	Contact with unidentified person	
	resulb5	Result of the fifth contact attempt		4	Contact with target respondent but no interview	Fill in outnicN
	resulb6	Result of the sixth contact attempt		5	Contact with someone other than target respondent	
	resulb7	Result of the seventh contact attempt		6	No contact at all	Go to CFN1
	resulb8	Result of the eighth contact attempt		7	Invalid address	Go to outinval
	resulb9	Result of the ninth contact attempt		8	Other information about sample unit	Fill in outnicN
	resulbN	Result of the Nth contact attempt		66	Not applicable	
				99	Not available	
						Fill in: outnic1 if resulb1=3,4,5,8. outnic2 if resulb2=3,4,5,8. outnicN if resulbN=3,4,5,8.
CFC3	outnic1	Outcome when there was no interview (contact attempt 1)	F2	1	An appointment was made	Go to CFC3a if country deploys video-interview. Else: Go to CFN1
	outnic2	Outcome when there was no interview (contact attempt 2)		2	Refusal of target respondent	Go to: refca1 (if 1st refusal). refca2 (if 2nd refusal). refca3 (if 3rd refusal). refcaN (if N-th refusal)
	outnic3	Outcome when there was no interview (contact attempt 3)		3	Refusal by proxy (family, acquaintance)	
	outnic4	Outcome when there was no interview (contact attempt 4)		4	Someone refused, not sure if target respondent	

Table F.3. Data file 3: Contact forms; Idno and Cntry

Qno	Name	Label	Format	Values	Categories	Comment
	outnic5	Outcome when there was no interview (contact attempt 5)		5	Target respondent not available/away	
	outnic6	Outcome when there was no interview (contact attempt 6)		6	Target respondent mentally/physically not able, ill/sick (short term)	Go to CFN1
	outnic7	Outcome when there was no interview (contact attempt 7)		7	Target respondent mentally/physically not able, ill/sick (long term)	
	outnic8	Outcome when there was no interview (contact attempt 8)		8	Target respondent deceased	
	outnic9	Outcome when there was no interview (contact attempt 9)		9	Target respondent moved abroad	End contact procedure
	outnicN	Outcome when there was no interview (contact attempt N)		10	Target respondent moved, unsure whether abroad	
				11	Target respondent moved, within country	Go to CFC10 (New address)
				12	Language barrier	Go to CFC4 (Language)
				13	Other	Go to CFN1
				66	Not applicable	
				99	Not available	
						Fill in: modeap1 if outnic1=1. modeap2 if outnic2=1. modeapN if outnicN=1.
CFC3a	modeap1	Agreed mode for appointment (contact attempt 1)	F1	1	Personal visit	Go to CFN1
	modeap2	Agreed mode for appointment (contact attempt 2)		2	Video-interview	Fill in CFC3b
	modeap3	Agreed mode for appointment (contact attempt 3)		3	Telephone interview	
	modeap4	Agreed mode for appointment (contact attempt 4)		6	Not applicable	
	modeap5	Agreed mode for appointment (contact attempt 5)		9	Not available	
	modeap6	Agreed mode for appointment (contact attempt 6)				
	modeap7	Agreed mode for appointment (contact attempt 7)				
	modeap8	Agreed mode for appointment (contact attempt 8)				
	modeap9	Agreed mode for appointment (contact attempt 9)				
	modeapN	Agreed mode for appointment (contact attempt N)				
						Fill in: ftfref1 if modeap1=2. ftfref2 if modeap2=2. ftfrefN if modeapN=2.
CFC3b	ftfref1	Refusal of face-to-face interview (contact attempt 1)	F1	1	Yes	Go to CFN1
	ftfref2	Refusal of face-to-face interview (contact attempt 2)		2	No	Go to CFC5
	ftfref3	Refusal of face-to-face interview (contact attempt 3)		6	Not applicable	
	ftfref4	Refusal of face-to-face interview (contact attempt 4)		9	Not available	
	ftfref5	Refusal of face-to-face interview (contact attempt 5)				
	ftfref6	Refusal of face-to-face interview (contact attempt 6)				

Qno	Name	Label	Format	Values	Categories	Comment
	ftfref7	Refusal of face-to-face interview (contact attempt 7)				
	ftfref8	Refusal of face-to-face interview (contact attempt 8)				
	ftfref9	Refusal of face-to-face interview (contact attempt 9)				
	ftfrefN	Refusal of face-to-face interview (contact attempt N				
						Fill in if outnicN=2,3,4
	refca1	Number of contact attempt at which a refusal occurred (1)	F3	666	Not applicable	Fill in: refca1 for 1st refusal.
	refca2	Number of contact attempt at which a refusal occurred (2)		999	Not available	refca2 for 2nd refusal.
	refca3	Number of contact attempt at which a refusal occurred (3)				Refca3 for 3rd refusal.
	refcaN	Number of visit at which a refusal occurred (n)				refcaN for Nth refusal.
						Fill in if outnicN=2,3,4 or if ftfrefN=1
CFC5	rersc1_1	Reason for refusal (1_1)	F2	1	It is bad timing (otherwise engaged, sick children, visitors,…)	Fill in: rersc1_1-1_5 for 1st refusal.
	rersc1_2	Reason for refusal (1_2)				rersc2_1-2_5 for 2nd refusal.
	rersc1_3	Reason for refusal (1_3)		2	I am not interested	
	rersc1_4	Reason for refusal (1_4)		3	I don't know enough about this topic, too difficult for me	rersc3_1-3_5 for 3rd refusal.
	rersc1_5	Reason for refusal (1_5)				rerscN_1-N_5 for Nth refusal.
				4	This is a waste of time	
	rersc2_1	Reason for refusal (2_1)		5	This is a waste of money	
	rersc2_2	Reason for refusal (2_2)		6	The survey interferes with my privacy / I give no personal information	Maximum five reasons for each refusal.
	rersc2_3	Reason for refusal (2_3)				
	rersc2_4	Reason for refusal (2_4)		7	I never do surveys	
	rersc2_5	Reason for refusal (2_5)		8	I have already cooperated in surveys too often	
	rersc3_1	Reason for refusal (3_1)		9	I do not trust surveys	
	rersc3_2	Reason for refusal (3_2)		10	I have had bad experiences before with surveys	
	rersc3_3	Reason for refusal (3_3)				
	rersc3_4	Reason for refusal (3_4)		11	I don't like the subject	
	rersc3_5	Reason for refusal (3_5)		12	My partner/family/household members do not give approval	
	rerscN_1	Reason for refusal (n_1)		13	I do not admit strangers to my house, I am afraid to let them in	
	rerscN_2	Reason for refusal (n_2)				
	rerscN_3	Reason for refusal (n_3)		14	I need to isolate – not allowed to have people in my home	
	rerscN_4	Reason for refusal (n_4)				
	rerscN_5	Reason for refusal (n_5)		15	Don't feel comfortable allowing people in my home for health reasons	
				16	Other	
				66	Not applicable	
				99	Not available	

Qno	Name	Label	Format	Values	Categories	Comment
						Fill in if outnicN=2,3,4 or if ftfrefN=1
CFC5a	c19ref1	COVID-19 pandemic reason for refusal	F2	1	Yes	Fill in: c19ref1 for 1st refusal.
	c19ref2	COVID-19 pandemic reason for refusal		2	No	c19ref2 for 2nd refusal.
	c19ref3	COVID-19 pandemic reason for refusal		6	Not applicable	c19ref3 for 3rd refusal.
	c19ref4	COVID-19 pandemic reason for refusal		9	Not available	c19ref4 for 4th refusal.
	c19refN	COVID-19 pandemic reason for refusal				c19refN for Nth refusal.
						Fill in if outnicN=2,3,4. Fill in: vdoref1 for 1st refusal. vdoref2 for 2nd refusal. vdoref3 for 3rd refusal. vdorefN for Nth refusal.
CFC5b	vdoref1	Video interview was offered at refca1	F3	1	Yes	Fill in CFC5c
	vdoref2	Video interview was offered at refca2		2	No	Go to CFN1
	vdoref3	Video interview was offered at refca3		6	Not applicable	
	vdorefN	Video interview was offered at refcaN		9	Not available	
						Fill in if vdorefN=1
CFC5c	rervd1_1	Reason for refusal of video-interview (1_1)	F2	1	Don't have internet access	Fill in: rervd1_1-1_3 for 1st refusal.
	rervd1_2	Reason for refusal of video-interview (1_2)		2	Poor internet connection	rervd2_1-2_3 for 2nd refusal.
	rervd1_3	Reason for refusal of video-interview (1_3)		3	Don't like video calls	rervd3_1-3_3 for 3rd refusal.
				4	Don't feel I have the IT knowledge for a video call	rervdN_1-N_3 for Nth refusal.
	rervd2_1	Reason for refusal of video-interview (2_1)				
	rervd2_2	Reason for refusal of video-interview (2_2)		5	Don't think video software would be secure/safe	
	rervd2_3	Reason for refusal of video-interview (2_3)				
				6	No additional reason	
	rervd3_1	Reason for refusal of video-interview (3_1)		7	Other	Maximum three reasons for each refusal.
	rervd3_2	Reason for refusal of video-interview (3_2)		66	Not applicable	
	rervd3_3	Reason for refusal of video-interview (3_3)		99	Not available	
						Fill in if outnicN=2,3,4
CFC6	coopa1	Estimation of the cooperation rate at refca1	F2	1	Target respondent will definitely not cooperate in future	Fill in: coopa1 if outnicN=2,3,4, and 1st refusal.
	coopa2	Estimation of the cooperation rate at refca2		2	Target respondent will probably not cooperate in future	coopa2 if outnicN=2,3,4, and 2nd refusal.
	coopa3	Estimation of the cooperation rate at refca3		3	Target respondent may perhaps cooperate in future	coopa3 if outnicN=2,3,4, and 3rd refusal.
	coopaN	Estimation of the cooperation rate at refcaN		4	Target respondent will cooperate in future	coopaN if outnicN=2,3,4, and Nth refusal.
				5	No contact with target respondent	
				66	Not applicable	
				88	Don't know	
				99	Not available	

Table F.3. Data file 3: Contact forms; Idno and Cntry

Qno	Name	Label	Format	Values	Categories	Comment
						Fill in if outnicN=2
CFC7	agec_1	Interviewer's estimation of age of target respondent at refca1	F2	1	Under 20	Fill in: agec_1 if outnicN=2 and 1st refusal.
	agec_2	Interviewer's estimation of age of target respondent at refca2		2	20 to 39	agec_2 if outnicN=2 and 2nd refusal.
				3	40 to 59	
	agec_3	Interviewer's estimation of age of target respondent at refca3		4	60 or over	agec_3 if outnicN=2 and 3nd refusal.
				66	Not applicable	agec_N if outnicN=2 and Nth refusal.
	agec_N	Interviewer's estimation of age of target respondent at refcaN		88	Don't know	
				99	Not available	
						Fill in if outnicN=2
CFC8	genderc1	Interviewer's estimation of gender of target respondent at refca1	F2	1	Male	Fill in: genderc1 if outnicN=2 and 1st refusal.
	genderc2	Interviewer's estimation of gender of target respondent at refca2		2	Female	
				66	Not applicable	genderc2 if outnicN=2 and 2nd refusal.
	genderc3	Interviewer's estimation of gender of target respondent at refca3		88	Don't know	genderc3 if outnicN=2 and 3rd refusal.
				99	Not available	
	gendercN	Interviewer's estimation of gender of target respondent at refcaN				gendercN if outnicN=2 and Nth refusal.
						Fill in if resulbN=7
CFC9	outinval	Outcome address invalid	F2	1	The house/address is derelict or demolished	
				2	The home is not yet built or not ready for occupation	
				3	The address is not occupied (empty, second home, seasonal home, ...)	
				4	The address is not residential: only purpose is business, industrial	End contact procedure
				5	The address is not residential: institution (retirement home, hospital, military unit, monastery, ...)	
				6	The address is not traceable. The information I was given is insufficient	
				7	Other	
				66	Not applicable	
				99	Not available	
CFN1	type	Type of dwelling respondent lives in	F2	1	Single unit: Farm	Fill in if resulbN=1,2,6 or outnicN=1,2,3,4,5,6,7,12,13 and neighborhood characteristics not already registered for sample unit in previous contact attempt
				2	Single unit: Detached house	
				3	Single unit: Semi-detached house	
				4	Single unit: Terraced house	
				5	Only housing unit in building with other purpose	
				6	Multi-unit house, flat	
				7	Multi-unit: Student apartments, rooms	
				8	Multi-unit: Nursing / retirement home	
				9	House-trailer or boat	
				10	Other	
				66	Not applicable	
				88	Don't know	

Table F.3. Data file 3: Contact forms; Idno and Cntry

Qno	Name	Label	Format	Values	Categories	Comment
				99	Not available	
CFN2	access	Entry phone or locked gate/door before reaching respondent's individual door	F1	1	Yes, entry phone	Fill in if resulbN=1,2,6 or outnicN=1,2,3,4,5,6,7,12,13 and neighborhood characteristics not already registered for sample unit in previous contact attempt
				2	Yes, locked gate/door	
				3	Yes, entry phone and locked gate/door	
				4	No, neither of these	
				6	Not applicable	
				9	Not available	
CFN3	physa	Assessment overall physical condition building/house	F1	1	Very good	Fill in if resulbN=1,2,6 or outnicN=1,2,3,4,5,6,7,12,13 and neighborhood characteristics not already registered for sample unit in previous contact attempt
				2	Good	
				3	Satisfactory	
				4	Bad	
				5	Very bad	
				6	Not applicable	
				9	Not available	
CFN4	littera	Amount of litter and rubbish in the immediate vicinity	F1	1	Very large amount	Fill in if resulbN=1,2,6 or outnicN=1,2,3,4,5,6,7,12,13 and neighborhood characteristics not already registered for sample unit in previous contact attempt
CFN5	vandaa	Amount of vandalism and graffiti in the immediate vicinity		2	Large amount	
				3	Small amount	
				4	None or almost none	
				6	Not applicable	
				9	Not available	
	reconva	Number of contact attempt when refusal conversion activities started	F3	0	No refusal conversion took place	Fill in if outnicN=2,3,4 and refusal conversion activities/strategies deployed in fieldwork in country
				666	Not applicable	
				999	Not available	
	bcselect	Case selected for back-check	F1	0	Not selected	Fill in for all
				1	Selected	
				9	No answer	
	bcreareq	Case selected for back-check, reason: requirement to randomly select one case per interviewer every two weeks	F1	0	Not marked	Fill in if bcselect=1
				1	Marked	
	bcrearef	Case selected for back-check, reason: due to high number of refusals in case load				
	bcreanon	Case selected for back-check, reason: due to high number of non-contacts in case load				
	bcreapho	Case selected for back-check, reason: due to low number of reported available phone numbers in case load				
	bcreasuc	Case selected for back-check, reason: due to very high success rate of the interviewer				
	bcreacom	Case selected for back-check, reason: due to high number of completed interviews on the same day				

Table F.3. Data file 3: Contact forms; Idno and Cntry

Qno	Name	Label	Format	Values	Categories	Comment
	bcreasho	Case selected for back-check, reason: due to very short interlude of time between end of interview and start of next				
	bcrealon	Case selected for back-check, reason: due to extremely long or short interview duration				
	bcreafal	Case selected for back-check, reason: follow-up back checks of all cases due to falsification				
	bcreaine	Case selected for back-check, reason: due to high number of ineligibles				
	bcreaoth	Case selected for back-check, reason: other				
						Fill in if bcselect=0
	bcreanap	Case selected for back-check, reason: not applicable	F1	0 1	Not marked Marked	
						Fill in if bcselect=1
	bcreana	Case selected for back-check, reason: no answer	F1	0 1	Not marked Marked	
						Fill in if bcselect=1
	bccase	Case back-checked	F1	0 1 6 9	Not back-checked Back-checked Not applicable Not available	Go to: bcmode
						Fill in if bccase=1
	bcmode	Mode used for the back-check	F1	1 2 3 4 6 9	In person Telephone Mail Video Not applicable Not available	
	bcdate1	Date of the first back-check attempt	SDATE10			Fill in if bccase=1. Date/time: *yyyy/mm/dd*
	bcdate2	Date of the last back-check attempt	SDATE10			Fill in if bccase=1 and more than one back-check attempt conducted. Date/time: *yyyy/mm/dd*
	bcperson	Person who conducted the final back-check	F1	1 2 6 9	Interviewer who completed interview Someone else Not applicable No answer	Fill in if bccase=1
	bcressel	Aspect back-checked: respondent selection	F1	1 2 3 6 9	Yes, confirmed Yes, not confirmed No Not applicable No answer	Fill in if typesamp=2,3 and bccase=1

Table F.3. Data file 3: Contact forms; Idno and Cntry

Qno	Name	Label	Format	Values	Categories	Comment
						Fill in if bccase=1
	bcintcon	Aspect back-checked: interview conducted	F1	1	Yes, confirmed	
	bcshowus	Aspect back-checked: showcards used		2	Yes, not confirmed	
	bcdevuse	Aspect back-checked: laptop, tablet or other device used		3	No	
				6	Not applicable	
	bcintdur	Aspect back-checked: duration of the interview		9	No answer	
	bcessque	Aspect back-checked: some of the ESS questions				
	bcother	Aspect back-checked: other				
						Fill in if bccase=1
	bcinelg	Verification of ineligibility via back-check	F1	0	Not confirmed	
				1	Confirmed	
				6	Not applicable	
				9	No answer	

Table F.4 Data file 4: Sample design data; Idno and Cntry

Qno	Name	Label	Format	Values	Categories	Comment
	idno	Respondent's identification number	F9			See section E2
	cntry	Country	A2			See sections E1.1 and E2
						For further variable descriptions, see section F4.1
	prob1	Selection probability first sampling stage	F14.12			Mandatory
	prob2	Selection probability second sampling stage	F14.12	.	Not applicable	prob2-prob4: Fill in according to number of sampling stages
	prob3	Selection probability third sampling stage				
	prob4	Selection probability fourth sampling stage				
	psu	PSU identification	Fn.0			Mandatory
	samppoin	Samplingpoint identification	Fn.0	.	Not applicable	Fill in if multi-stage design where PSUs and sample points not coterminous
	ssu	SSU identification	Fn.0	.	Not applicable	Fill in if 3 or more stages and more than one 3rd-stage unit selected within each 2nd-stage unit
	stratex1	Explicit stratum identification	Fn.0	.	Not applicable	Fill in if explicit stratification at 1st stage
	stratim1	Implicit stratum identification 1	Fn.0	.	Not applicable	Fill in if implicit stratification at 1st stage
	stratim2	Implicit stratum identification 2	Fn.0	.	Not applicable	Fill in if 2 or more stages and implicit stratification at 2nd stage
	strtval1	Value on first stratification variable	Fn.0	.	Not applicable	Fill in if implicit stratification at 1st stage
	strtval2	Value on second stratification variable	Fn.0	.	Not applicable	Fill in if implicit stratification at 1st stage, based upon combination of 2 or more variables
	strtval3	Value on third stratification variable	Fn.0	.	Not applicable	Fill in if implicit stratification at 1st stage, based upon combination of 3 or more variables
	outcome	Field outcome	F1	1	Data in main data file	Mandatory
				2	Eligible non-respondent	
				3	Ineligible	
	ressam	Reserve sample identification	Fn.0	.	Not applicable	Fill in if reserve sample used
	fieldini	Fieldwork agency working on the sample unit	F2	.	Not applicable	Fill in if more than one fieldwork agency.

Table F.4 Data file 4: Sample design data; Idno and Cntry

Qno	Name	Label	Format	Values	Categories	Comment
	domain	Sampling domain in the sign-off form	F2	.	Not applicable	Fill in if more than one sampling domain

Annex, Sample design data file

The file should contain one record for each <u>selected address</u>, in the case of address-based samples, or for each <u>selected individual</u>, in the case of individual-based (population register) samples – i.e. the complete gross sample. (In the rare event of a design in which it is possible to select more than one person at an address, extra records will be needed for any extra persons thus selected.) Please make sure that you include all ineligible and non-responding units as well as responding ones.
The table below lists the variables that should be included on the file. Please use the variable names exactly as they appear here. Please include all variables, even though several of them are likely to be blank (missing) for all units.

The annex contains examples of how the variables should be interpreted for different types of sample design. It is suggested that you look closely at these examples. National coordinators may seek advice from their nominated member of the sampling and weighting expert panel if necessary.

Note on missing values: All variables up to and including "outcome" should be present on the data file. Those variables that are not relevant to the sample design (e.g. 3rd-stage probabilities, in the case of a 2-stage design) should be left blank. For missing values on variables that *do* apply, use code 9 for items that are missing through interviewer or other error. This should apply only to certain items in the case of address-based sampling.

We assume that SPSS, STATA or SAS system files or comma-delimited txt files will be delivered.

NAME of variable	MEANING OF VARIABLE (label) and codes
idno	*Mandatory.* **Element number** *(same as in main data file).* This uniquely identifies the selected element (address or person). It will be the key for matching this file to the respondent data file. Numeric.
prob1	*Mandatory.* **Selection or inclusion probability at first stage**. Numeric, positive, non-zero, 12 decimal places (or as many as necessary to provide at least 4 significant figures for all cases). For multi-stage samples, all records with the same value of PSU should have the same value of prob1.
prob2	*Applies if there are at least 2 stages of selection.* **Selection or inclusion probability at second stage** (conditional upon first stage). Numeric, positive, non-zero, 12 decimal places (or as many as necessary to provide at least 4 significant figures for all cases). All records with the same combination of PSU/SSU should have the same value of prob2.
prob3	*Applies if there are at least 3 stages of selection.* **Selection probability at third stage** (conditional upon first two stages). Numeric, positive, non-zero, 12 decimal places (or as many as necessary to provide at least 4 significant figures for all cases). For some designs, either prob3 or prob4 will correspond to the reciprocal of the number of persons aged 15 or over at the address. In this case the value should be blank for ineligibles (outcome=3) and should be 9 for non-responding units (outcome=2) where the number of persons aged 15+ was not established.
prob4	*Applies if there are 4 stages of selection.* **Selection probability at fourth stage** (conditional upon first 3 stages). Numeric, positive, non-zero, 12 decimal places (or as many as necessary to provide at least 4 significant figures for all cases).

psu	*Mandatory. For 1-stage designs, PSU = idno.* **First stage unit** (primary sampling unit) to which the sample element belongs. Integer. Value labels are not needed: PSUs can be anonymous.
samppoin	*Applies only to multi-stage designs where PSUs and sample points are not coterminous.* **Sampling point** to which the sample element belongs. Integer. Value labels are not needed: sampling points can be anonymous.
ssu	*Applies if there are 3 or more stages and more than one 3rd-stage unit is selected within each 2nd-stage unit.* **Second stage unit** (secondary sampling unit) to which the sample element belongs. Integer. Need only be unique within PSU.
stratex1	*Applies if explicit stratification was used at 1st stage (independent selections from each stratum).* **Stage 1 explicit stratum** to which the sample element belongs. All records with the same value of PSU should have the same value of stratex1. If more than one variable was used for stratification, stratex1 stores the unique cross combinations, i.e. the stratum cell identifiers.
stratim1	*Applies if implicit stratification was used at 1st stage (systematic selections - possibly PPS - from an ordered list).* **Order on list of PSU** (order of selection). If PSUs are numbered in the order of selection then stratim1 = PSU.
stratim2	*Applies if there are 2 or more stages and if implicit stratification was used at 2nd stage (systematic selections from an ordered list).* **Order on list of SSU/element** within the PSU (order of selection). All records with the same combination of PSU/SSU (if any) should have the same value of stratim2
strtval1	*Applies if implicit stratification was used at 1st stage.* **First implicit stratification variable**. Numeric value.
strtval2	*Applies if implicit stratification was used at 1st stage, based upon a combination of 2 or more variables.* **Second implicit stratification variable**. Numeric value.
strtval3	*Applies if implicit stratification was used at 1st stage, based upon a combination of 3 or more variables.* **Third implicit stratification variable**. Numeric value.
outcome	*Mandatory* **Summary field outcome**. Value = 1 for respondent (data in questionnaire data file), 2 for eligible non-respondent (refusal, non- contact, unable to be interviewed due to language, health, etc.), 3 for ineligible (outside of survey population: died, moved abroad, vacant address, etc.)
ressam	*Applies if reserve sample(s) used.* In the exceptional case where reserve samples are used, this variable indicates to which part of the sample an element belongs (1=main sample, 2=first res. sample, 3=second res. sample, etc.) One record should be included for each reserve sample element (address or individual) that was selected and activated. Unused reserve sample elements should not be included in the SDDF.
fieldini	*Applies only if more than one institute conducts the fieldwork.* Variable indicating the fieldwork institute working on the sample element (i.e. contact and/or interview). Assign a number to each fieldwork agency.

domain	*Applies only if more than one sampling domain is used, (i.e. if a multi sampling design survey was conducted).*
	This variable indicates to which sampling domain an element belongs (1=1st sampling domain in the Sign-Off Form, 2=2nd sampling domain in the Sign-Off Form, etc.).
micro auxiliary variables	*Optional, but strongly encouraged*
	Relevant micro-level auxiliary variables that could be used in non-response analysis and non-response adjustment. For example, gender, age, education level, type of living area, household size, mother tongue, citizenship and other information from registers and administrative sources. Please provide informative variable labels and value labels.
macro auxiliary variables	*Optional, but strongly encouraged*.
	Relevant macro-level auxiliary variables that could be used for calibration or other benchmarking the sample information to population level. For example, 15+ population by stratex1 if explicit stratification is used or other calibration margins by gender or age group. Please provide informative variable labels and value labels.

F4.2 Examples

Example 1: *Single-stage un-clustered sample of persons selected from population register, stratified by region and proportional allocation of the gross sample size (n) to strata.*

- prob1 = *n/N* for all records (*n* is number of persons selected into the gross sample in each stratum including any who turn out to be ineligible for the survey, *N* is total number on the register, excluding any who were given a zero probability of selection);
- stratex1 = region indicator;
- prob2, prob3, prob4, psu, samppoint, ssu, stratim1, stratim2, strtval1, strtval2, strtval3 blank for all records.

Example 2: *Clustered sample of addresses within PSUs, with field selection of one person per address. PSUs selected systematically PPS from an ordered list (order of population size within regions). Equal number of addresses selected from each PSU, systematically from a geographically-ordered list.*

Notation: m PSUs selected out of M in population

N_i addresses in i[th] PSU, $\qquad \sum_{i=1}^{M} N_i = N$;

total of n addresses selected, i.e. n/m in each of m PSUs;

total number of eligible persons at k[th] address is μ_k.

- prob1 = $\dfrac{m \times N_i}{N}$
- prob2 = $\dfrac{n}{m \times N_i}$
- prob3 = $\dfrac{1}{\mu_k}$

It may be problematic to obtain prob3 for all non-respondents if not contacted or if any other data source is not available.

- psu = 1, 2, 3, … m;
- stratim1 = 1, 2, 3, … *m* in order PSUs were selected;
- stratim2 = 1, 2, 3, … *n/m* in order addresses were selected within PSU;
- strtval1 = region indicator;
- strtval2 = population size of the PSU;
- prob4, samppoint, ssu, stratex1, stratex2, strtval3 blank for all records.

F4.3 Checking plausibility of PROB variables

You can check the plausibility for your calculated prob variables before the first data release. This can help to facilitate an orderly data release, as potential problems with the calculation of the design weights can be addressed at a much earlier stage and it may help to prevent the necessity of resupplying a corrected SDDF.

The product of the prob variables should produce the inclusion probabilities of the elements in the gross sample.

For example, in a 3-stage sampling design the SDDF must have three prob variables, and

$$PROB1_i * PROB2_i * PROB3_i = \pi_i$$

where $PROB1_i$, $PROB2_i$, and $PROB3_i$ are the values of variable prob1, prob2 and prob3 for the *i*-th element respectively and π_i is the inclusion probability of the *i*-th element, i.e. the probability of person *i*-th person to be included into the sample.

A fundamental check for the plausibility of the calculated prob variables can be done by comparing N and $\widehat{N}$, where N is size of the target population and $\widehat{N}$ is given by

$$\widehat{N} = \sum_{i=1}^{ngross} \pi_i^{-1}$$

with *ngross* as the gross sample size. $\widehat{N}$ represents an estimate of N, thus both values should be reasonably close to each other. If $\widehat{N}$ differs much from N, say by over 25%, then this is evidence that at least one of the calculated prob variables might be wrong. In case of missing values in a prob variable, e.g. because the households size was unknown, then, for the purpose of calculating $\widehat{N}$, the missing values can be substituted by the mean of the available values for the respective prob variable.

A more sophisticated check would be to compare the estimate of some socio-demographic variables, like age, gender, region and education with the corresponding official values.

For example, if x_{ai} is an indicator variable of the i-th element in the net sample, which assumes a value of 1 if the element belongs to region a and 0 otherwise. Then the following estimator

$$\bar{x}_a = \frac{\sum_{i=1}^{nnet} x_{ai} \, \pi_i^{-1}}{\sum_{i=1}^{nnet} \pi_i^{-1}}$$

should produce an estimate close to the official percentage of people living in region a. The value *nnet* is the net sample size for the region variable, i.e. the number of persons that responded to the variable. The same procedure can be applied for all other regions and also with indicator variables for gender, age, and level of education.

It should be noted that an estimator like $\bar{x}_a$ can of course be subject to non-response bias, as it presents only a complete case analysis. Hence, only distinct difference between estimated values and official figures should be considered as a sign of incorrect calculated prob variables.

F5. Flowchart of the routings in the ESS main questionnaire

A2 NETUSOFT
ASK A2: ASK ALL
GO TO A3: If code 4, 5 at A2
GO TO A4: If code 1-3, 7 and 8 at A2

A3 NETUSTM
ASK A3: If code 4, 5 at A2
GO TO A4: ALL

A2

A3

| 1 | 2 | 3 | 4 | 5 | 7 | 8 |

| xxxx | 7777 | 8888 |

A4 to B12 ASK ALL
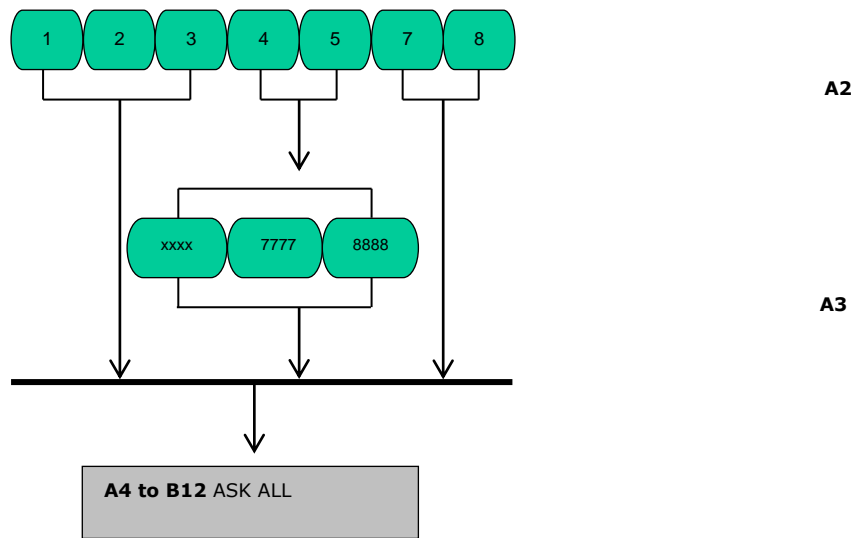
B13 VOTE
ASK B13: ASK ALL
GO TO B14: If code 1 at B13
GO TO B15: If code 2,3,7 or 8 at B13

B13

| 1 | 2 | 3 | 7 | 8 |
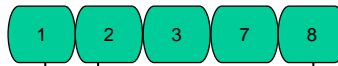
B14 PRTVTxx PRTVxx1 PRTVxxN
COUNTRY SPECIFIC QUESTION AND CODES
ASK B14: If code 1 at B13
GO TO B15: ALL

B14

| 01 | xx | 77 | 88 |

B15 to B22 ASK ALL
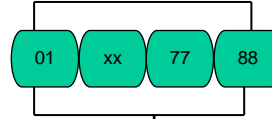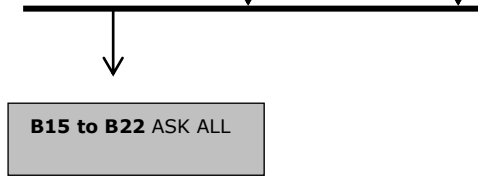
B23 CLSPRTY
ASK B23: ASK ALL
GO TO B24: If code 1 at B23
GO TO B25:
If code 2,7 or 8 at B23

B23

| 1 | 2 | 7 | 8 |
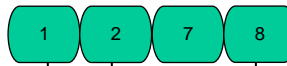
B24 PRTCLxx
COUNTRY SPECIFIC QUESTION AND CODES
ASK B24: If code 1 at B23
GO TO B25: If party coded (code 01 to xx) at B24
GO TO B26: If code 77 or 88 at B24

B24

| 01 | xx | 77 | 88 |
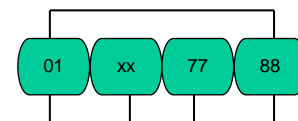
B25 PRTDGCL
ASK B25: If party coded (code 01 to xx) at B24
GO TO B25a: ALL

B25

| 1 | 2 | 3 | 4 | 7 | 8 |

B25a to C10 ASK ALL
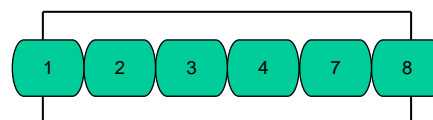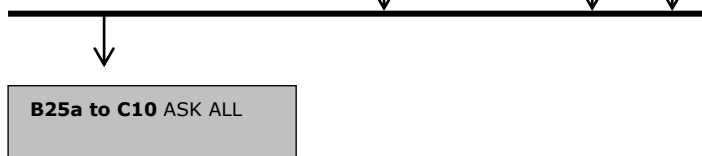
C11 RLGBLG
ASK C11: ASK ALL
GO TO C12: If code 1 at C11
GO TO C13: If code 2,7 or 8 at C11

C11

| 1 | 2 | 7 | 8 |

C12 RLGDNM
COUNTRY SPECIFIC CODES
FOR RECODING INTO
ESS STANDARD CODING FRAME
ASK C12: If code 1 at C11
GO TO C15: ALL

C12

| 01 | xx | 77 |

C13 RLGBLGE
ASK C13: If code 2,7 or 8 at C11
GO TO C14: If code 1 at C13
GO TO C15: If code 2,7 or 8 at C13

C13

| 1 | 2 | 7 | 8 |

C14 RLGDNME
ASK C14: If code 1 at C13
GO TO C15: ALL

C14

| 01 | xx | 77 |

C15 to C17 ASK ALL
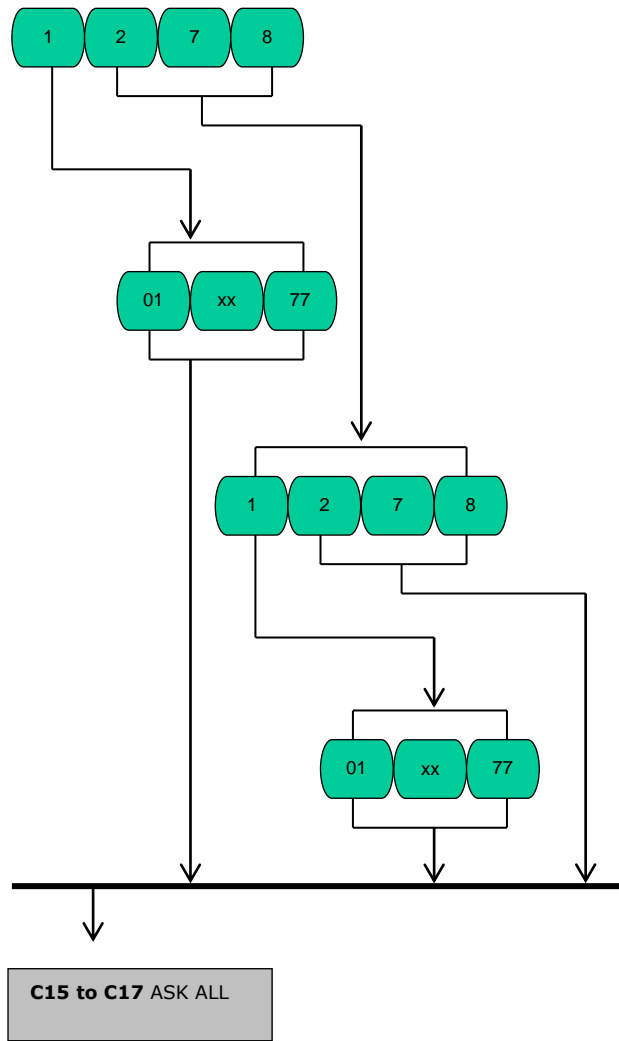
C18 DSCRGRP
ASK C18: ASK ALL
GO TO C19: If code 1 at C18
GO TO C20: If code 2,7 or 8 at C18

C18

| 1 | 2 | 7 | 8 |

C19 DSCRRCE DSCRNTN DSCRRLG
DSCRLNG DSCRETN DSCRAGE
DSCRGND DSCRSEX DSCRDSB
DSCROTH (DSCRREF) DSCRDK
ASK C19: If code 1 at C18
CODE ALL THAT APPLY
GO TO C20: ALL

C19

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 77 | 88 |

C20 ASK ALL
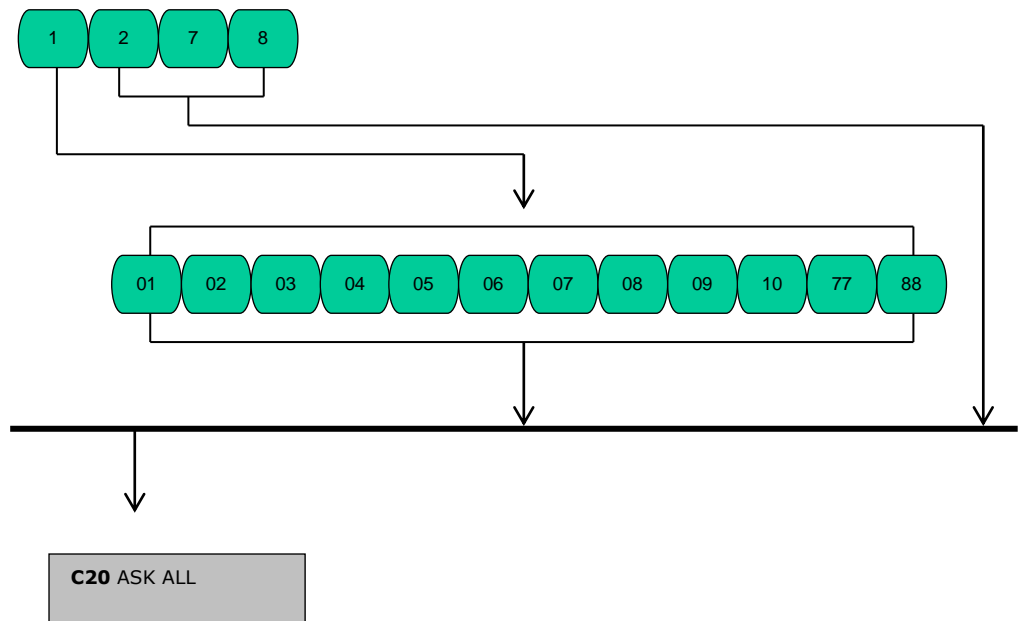
C21 BRNCNTR
ASK C21: ASK ALL
GO TO C22: If code 2 at C21
GO TO C24: If code 1,7 or 8 at C21

C21

```
( 1 )  ( 2 )  ( 7 )  ( 8 )
```
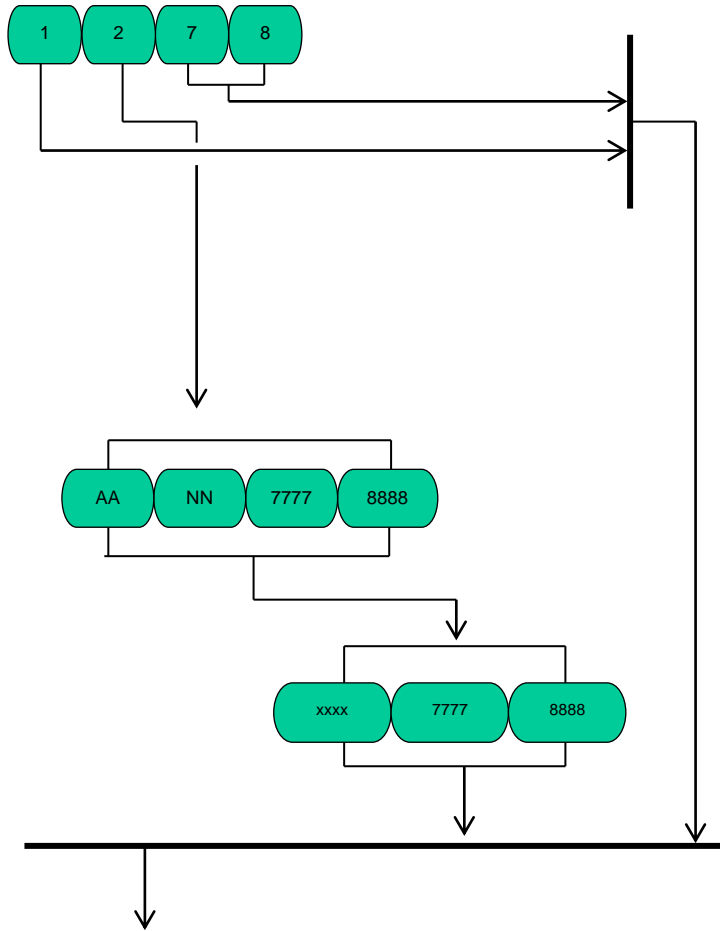
C22 CNTBRTHD
ISO 3166-1
ASK C22: If code 2 at C21
GO TO C23: If country coded
or code "7777" or "8888" at C22

C22

```
( AA )  ( NN )  ( 7777 )  ( 8888 )
```

C23 LIVECNTA
ASK C23: If code 2 at C21
GO TO C24: ALL

C23

```
( xxxx )  ( 7777 )  ( 8888 )
```

C24 to C26 ASK ALL

C26 FACNTR
ASK C26: ASK ALL
GO TO C27: If code 2 at C26
GO TO C28: If code 1,7 or 8 at C26

| 1 | 2 | 7 | 8 |
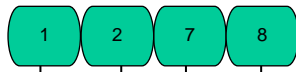
C27 FBRNCNTC
ISO 3166-1
ASK C27: If code 2 at C26
GO TO C28: ALL

| AA | NN | 77 | 88 |
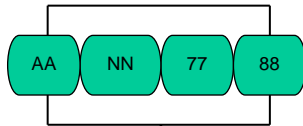
C28 MOCNTR
ASK C28: ASK ALL
GO TO C29: If code 2 at C28
Go to C30: If code 1,7 or 8 at C29
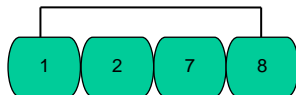
| 1 | 2 | 7 | 8 |

C29 MBRNCNTC
ISO 3166-1
ASK C29: If code 2 at C28
Go to C30: ALL

| AA | NN | 77 | 88 |
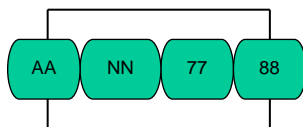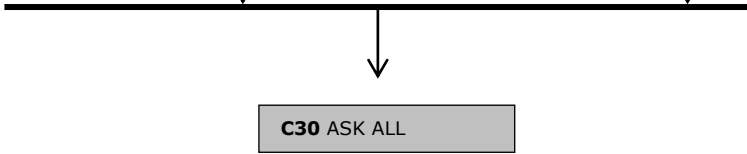
C30 ASK ALL

C30 CCNTHUM
ASK C30: ASK ALL.
GO TO C31: If code 01-05,
77, 88 at C30
GO TO introduction
before C43: If code 55 at C30

| 01 | 02 | 03 | 04 | 05 | 55 | 77 | 88 |
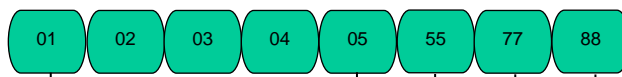
C30

C31 CCRDPRS
ASK C31: If code 01-05, 77, 88 at C30
GO TO C32: If code 01-05, 77, 88 at C30

C31

| 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 77 | 88 |
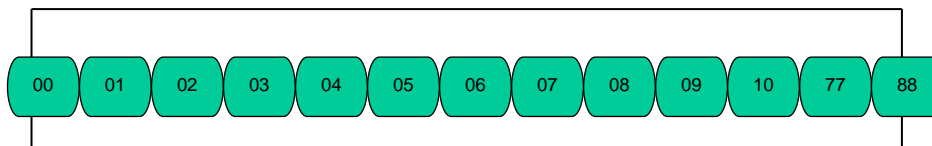
C32 WRCLMCH
ASK C32: If code 01-05, 77, 88 at C30
GO TO C33: If code 01-05, 77, 88 at C30

C32

| 1 | 2 | 3 | 4 | 5 | 7 | 8 |
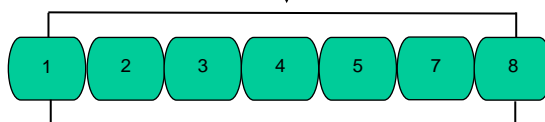
C33: If code 01-05, 77, 88 at C30

C43: If code 55 at C30

C33 ADMRCLC
ASK C33: If code 01-05, 77, 88 at C30
CODE C33: by automated random allocation
to groups 1, 2 or 3.
GO TO C34: If code 1 at C33
GO TO C37: If code 2 at C33
GO TO C40: If code 3 at C33

C33
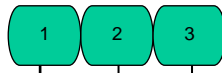
| 1 | 2 | 3 |

C34 TESTIC34
ASK C34: If code 1 at C33
GO TO C35: If code 1 at C33

C34

| 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 77 | 88 |
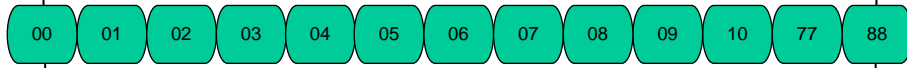
C35 TESTIC35
ASK C35: If code 1 at C33
GO TO C36: If code 1 at C33

C35

| 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 77 | 88 |
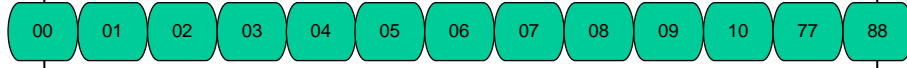
C36 TESTIC36
ASK C36: If code 1 at C33
GO TO C43: ALL

C36

| 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 77 | 88 |
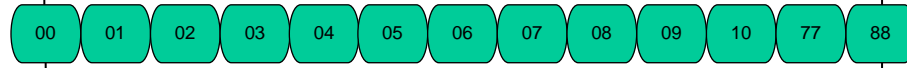
C37 TESTIC37
ASK C37: If code 2 at C33
GO TO C38: If code 2 at C33

C37

| 1 | 2 | 3 | 4 | 7 | 8 |
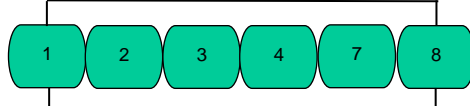
C38 TESTIC38
ASK C38: If code 2 at C33
GO TO C39: If code 2 at C33

C38
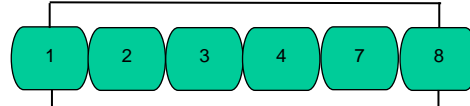
| 1 | 2 | 3 | 4 | 7 | 8 |

C39 TESTIC39
ASK C39: If code 2 at C33
GO TO C43: ALL

C39

| 1 | 2 | 3 | 4 | 7 | 8 |
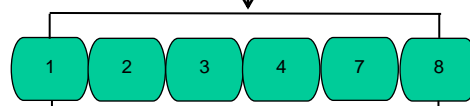
C40 TESTIC40
ASK C40: If code 3 at C33
GO TO C41: If code 3 at C33

C40

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 77 | 88 |
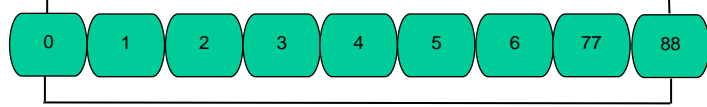
C41 TESTIC41
ASK C41: If code 3 at C33
GO TO C42: If code 3 at C33

C41

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 77 | 88 |
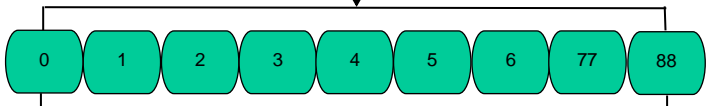
C42 TESTIC42
ASK C42: If code 3 at C33
GO TO C43: ALL

C42

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 77 | 88 |
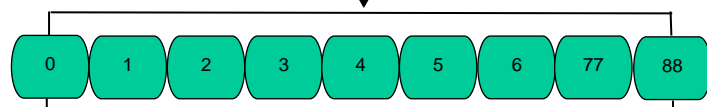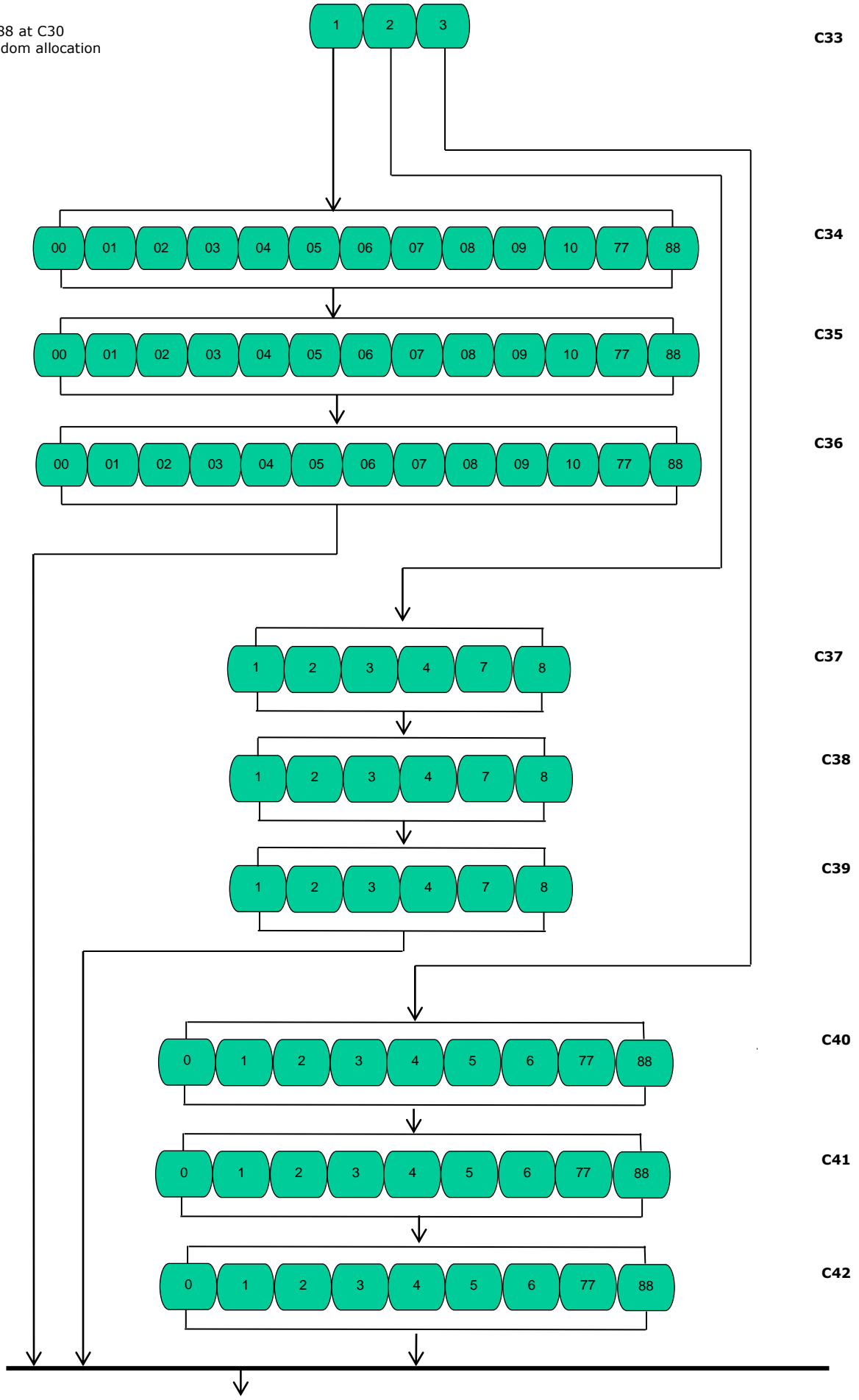
C43: ASK ALL

F4 RSHIPA2 - RSHIPAN;
ASK F4: ASK ALL
GO TO F6:
If code 01 at F4
GO TO F7:
If NOT code 01 at F4

| 01 | 02 | 03 | 04 | 05 | 06 | 77 | 88 |
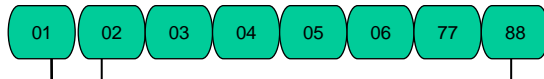
F4

F6 RSHPSTS
ASK F6:
If code 01 at F4
GO TO F7:
If code 01,02,05,06,
77 or 88 at F6
GO TO F8:
If code 03 or 04 at F6

| 01 | 02 | 03 | 04 | 05 | 06 | 77 | 88 |
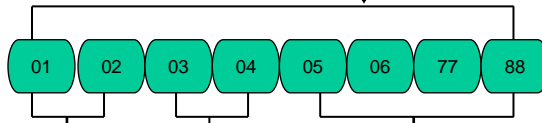
F6

F7 LVGPTNEA
ASK F7:
If NOT code 01 at F4
or code 01,02,05,06,
77 or 88 at F6
GO TO F8: ALL

| 1 | 2 | 7 | 8 |
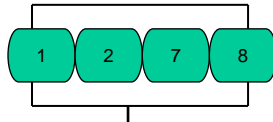
F7

F8 DVRCDEVA
ASK F8: ASK ALL
GO TO F11: If NOT code 01
at F4 or if code 03,04 at F6
GO TO F13: If code 01 at F4
or code 01,02,05,06,
77 or 88 at F6

| 1 | 2 | 7 | 8 |
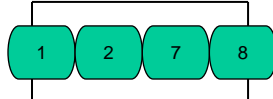
F8

ASK F11:
If NOT code 01 at F4
or code 03, 04 at F6

F11 MARSTS
ASK F11: If NOT code 01 at
F4 or if code 03 or 04 at F6
GO TO F13: If NOT code 02
at F4

| 01 | 02 | 03 | 04 | 05 | 06 | 77 | 88 |
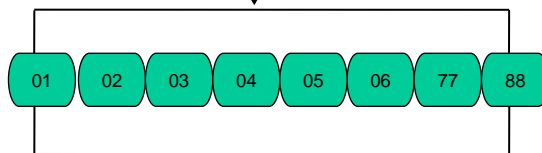
F11

ASK F13:
If NOT code 02 at F4

F13 CHLDHHE
ASK F13: If NOT code 2 at F12
GO TO F14: ALL

| 1 | 2 | 7 | 8 |
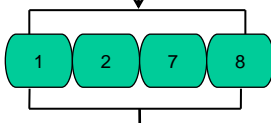
F13

F14 ASK ALL

F17a PDWRK EDCTN UEMPLA
UEMPLI DSBLD RTRD CMSRV
HSWRK DNGOTH (DNGREF) DNGDK
ASK F17a: ASK ALL
GO TO F17c: If more than one coded
At F17a

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 77 | 88 |
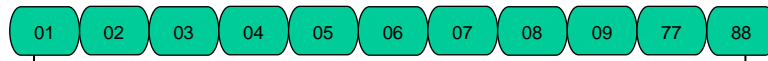
F17a

Ask F17c: If more than one coded at
F17a, 01-09

F17c MAINACT
ASK F17c: If more than one coded at
F17a, 01-09
GO TO F18: If NOT code 01 at F17a

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 77 | 88 |

F17c

Go to F21: If code 01 at F17a

Ask F18: If NOT code 1 at F17a
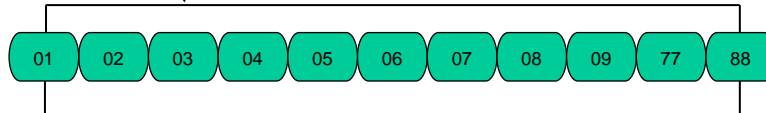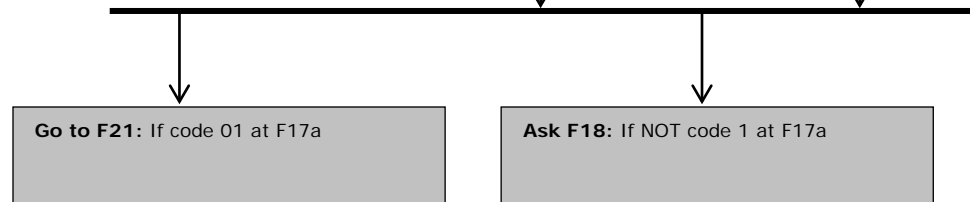
F18 CRPDWK
ASK F18: Code 02 to 09, 77 or 88 at F17a
GO TO F19: If code 2,7 or 8 at F18
GO TO F21: If code 1 at F18

| 1 | 2 | 7 | 8 |

F18
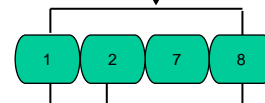
F19 PDJOBEV
ASK F19: If code 2,7 or 8 at F18
GO TO F20: If code code 1 at F19
GO TO F36: If code 2,7 or 8 at F19

| 1 | 2 | 7 | 8 |

F19
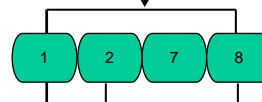
F20 PDJOBYR
ASK F20: If code 1 at F19
GO TO F21: If year coded or code 7777
or 8888 at F20

| xxxx | 7777 | 8888 |

F20

Ask F21: If code 01 at F17a or code 01
at F18 or code 01 at F19

Go to F36: ASK ALL
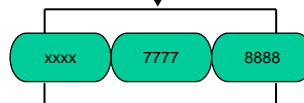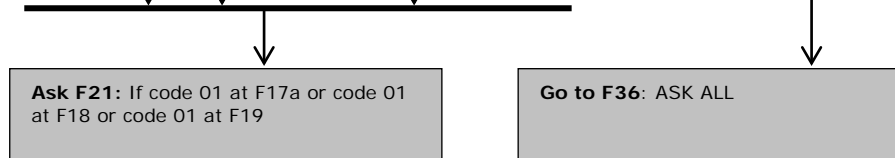
F21 EMPLREL
ASK F21: If code 01 at F17a or code 1 at
F18 or code 1 at F19
GO TO F22: If code 2 at F21
GO TO F23: If code 1, 3, 7 or 8 at F21
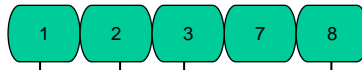
F22 EMPLNO
ASK F22: If code 2 at F21
GO TO F24:
If number coded or code 77777 or 88888 at
F22
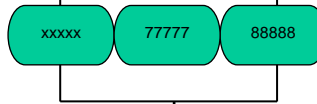
F23 WRKCTRA
ASK F23: If code 1, 3, 7 or 8 at F21
GO TO F24: If code 1,2,3,7 or 8 at F23
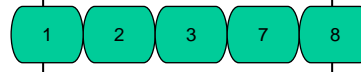
F24 ESTSZ
ASK F24: If code 01 at F17a or code 1 at
F18 or code 1 at F19
GO TO F25: If code 1 to 5, 7 or 8 at F24
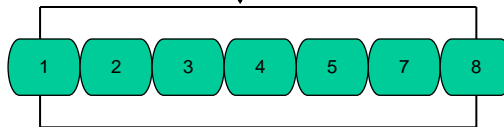
F25 JBSPV
ASK F25: If code 01 at F17a or code 1 at
F18 or code 1 at F19.
GO TO F26: If code 1 at F25
GO TO F27: If code 2, 7 or 8 at F25
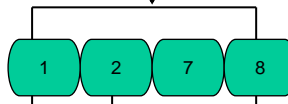
F26 NJBSPV
ASK F26: If code 1 at F25
GO TO F27:
If number coded or code 77777 or 88888 at
F26
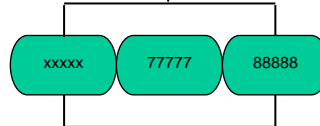
ASK F27 to F35b:
If code 01 at F17a or code 1
at F18 or code 1 at F19

F36 UEMP3M
ASK F36: ALL
GO TO F37: If code 1 at F36
GO TO F39: If code 2, 7 or 8 at F36

F36

```
┌───┬───┬───┬───┐
│ 1 │ 2 │ 7 │ 8 │
└───┴───┴───┴───┘
```

F37 UEMP12M
ASK F37: If code 1 at F36
GO TO F38: If code 1, 2, 7 or 8 at F37

F37

```
┌───┬───┬───┬───┐
│ 1 │ 2 │ 7 │ 8 │
└───┴───┴───┴───┘
```

F38 UEMP5YR
ASK F38: If code 1 at F36
GO TO F39: ALL

F38

```
┌───┬───┬───┬───┐
│ 1 │ 2 │ 7 │ 8 │
└───┴───┴───┴───┘
```

F39 to F42 ASK ALL
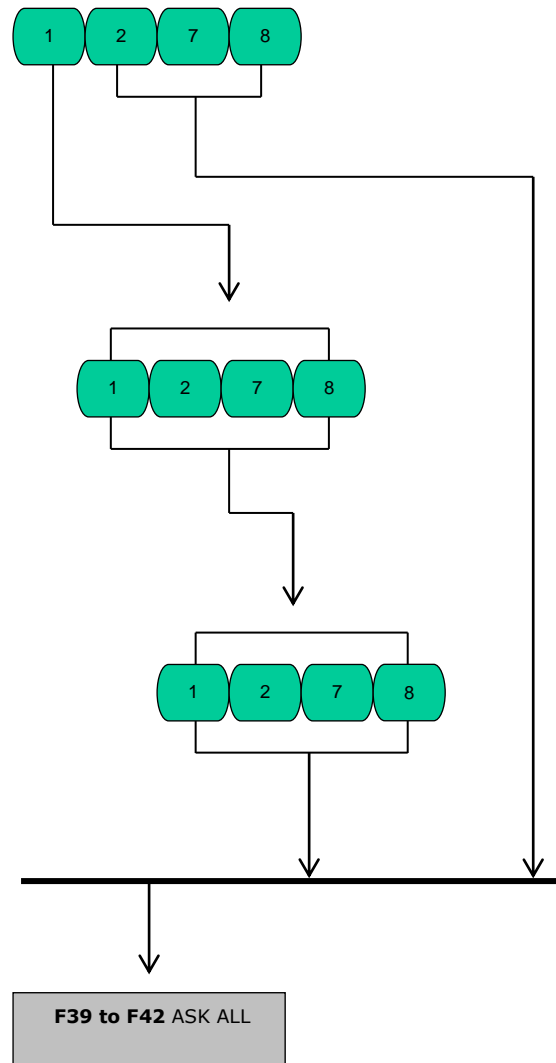
F44-F51: Ask F44–F51 if code 01 at F4

F52: Go to F52 if NOT code 01 at F4.

F44 EDULVLPB
ASK F44:
If code 1 at F4
GO TO F45a:
If code 000 to 800,
5555, 7777
or 8888 at F44

| 000 | 113 | 129 | 221 | 222 | 223 | 212 | 213 | 229 | 321 | 322 | 323 | nnn | 800 | 5555 | 7777 | 8888 |
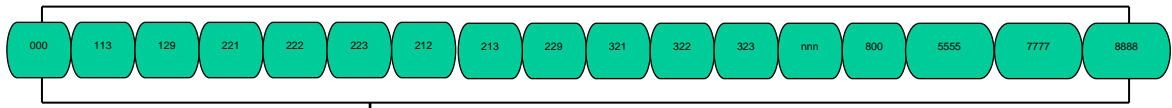
F44

F45a PDWRKP EDCTNP
UEMPLAP UEMPLIP DSBLDP RTRDP
CMSRVP HSWRKP DNGOTHP
(DNGREFP) DNGDKP
ASK F45a: If code 1 at F4
CODE ALL THAT APPLY
GO TO F45c:
If more than one coded at F45a

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 77 | 88 |
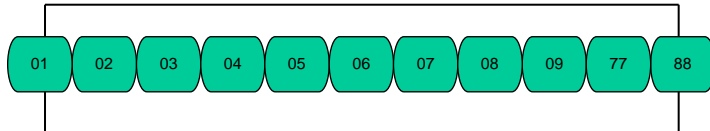
F45a

F45c: Ask F45c if more than one coded at F45a

F45c MNACTP
ASK F45c: If more than one coded at F45a
(01-09)
GO TO F46: If NOT code 1 at F45a

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 77 | 88 |
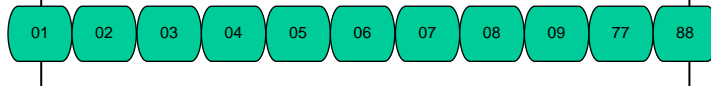
F45c

F46: Ask F46 if NOT code 01 at F45a

F46 CRPDWKP
ASK F46: If NOT code 01 at F45a
GO TO F52: If code 2, 7 or 8 at F46

| 1 | 2 | 7 | 8 |
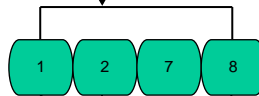
F46

ASK F47 to F51:
If code 01 at F4
and [code 01 at F45a or code 1 at F46]

Go to F52:
If NOT code 01 at F4 or code 2,(7)
or 8 at F46

F53 EMPRF14
ASK F53: ASK ALL
GO TO F54: If code 1,2 or 8 at F53
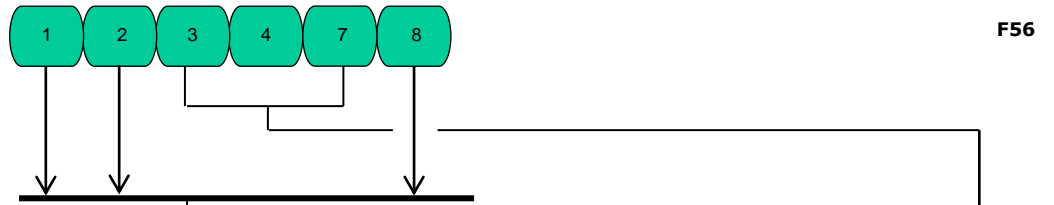GO TO F56: If code 3, 4 or 7 at F53

F53

| 1 | 2 | 3 | 4 | 7 | 8 |
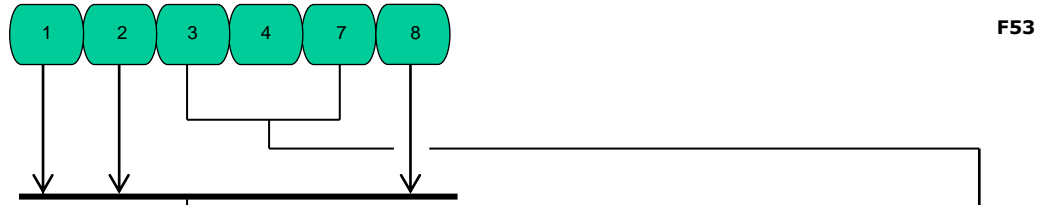
F54 OCCF14B
ASK F54: If code 1, 2, or 8 at F53
GO TO F56: ALL

F54

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 77 | 88 |
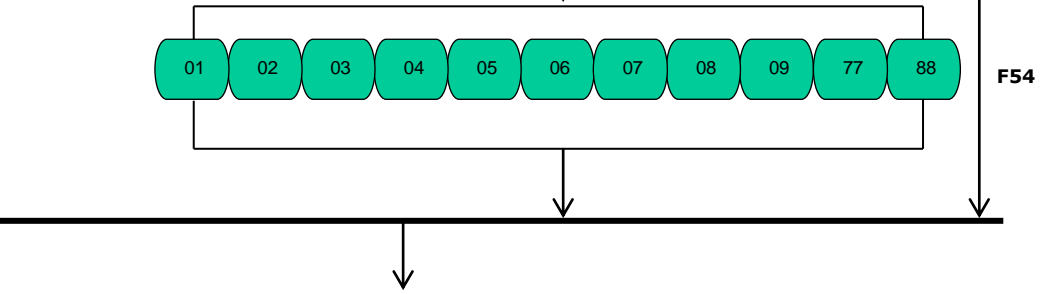
F55 ASK ALL

F56 EMPRM14
ASK F56: ASK ALL
GO TO F57: If code 1,2 or 8 at F56
GO TO F58: If code 3, 4 or 7 at F56

F56

| 1 | 2 | 3 | 4 | 7 | 8 |

F57 OCCM14B
ASK F57: If code 1, 2 or 8 at F56
GO TO F58: ALL

F59

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 77 | 88 |
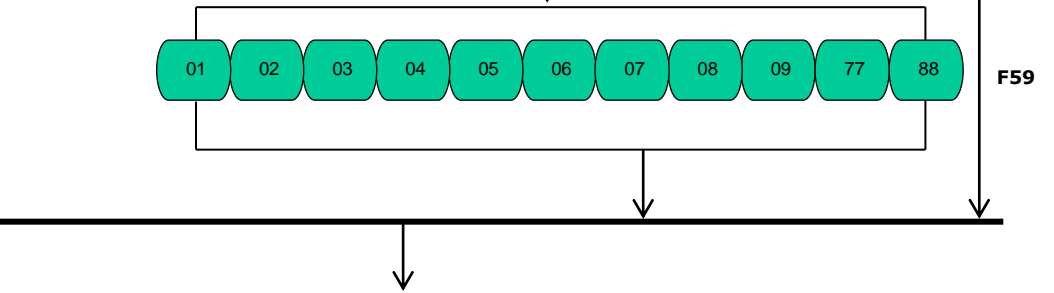
F58 ASK ALL

V1 VDCOND
ASK V1: ASK ALL
GO TO V2: ASK ALL

V1

```
┌───┬───┐ ┌───┐
│ 1 │ 2 │ │ 3 │
└───┴───┘ └───┘
```
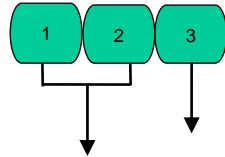
V2 VDOVEXRE
ASK V2: ASK ALL
GO TO V3: If code 3 at V1
GO TO: End of interview

V2

```
┌─────────────────────┐
│ V2: ASK ALL          │
└─────────────────────┘
```

V3 VDTYPE
 ASK V3: If code 3 at V1
 GO TO V4: If code 3 at V1

V3

```
┌───┬───┬───┬───┬───┬───┐
│ 1 │ 2 │ 3 │ 4 │ 7 │ 8 │
└───┴───┴───┴───┴───┴───┘
```
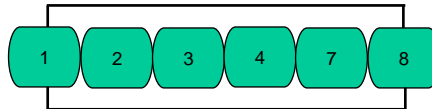
V4 VDTPSVRE, VDTPITRE, VDTPSCRE,
VDTPAURE, VDTPOIRE, VDTPVIRE, VDTPNTRE,
VDTPAPRE, VDTPRERE, VDTPDKRE, VDTPNARE
ASK V4: If code 3 at V1, code all that apply
GO TO: End of interview

V4

```
┌───┬───┐
│ 0 │ 1 │
└───┴───┘
```

```
┌─────────────────────┐
│ END OF INTERVIEW     │
└─────────────────────┘
```
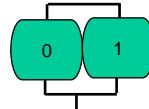
G. Programmes for applying Data Protocol variable names, labels and categories

To assist the data producers, and ensure data to be as consistent and harmonised as possible, NSD offers SPSS and SAS programmes with the official ESS variable names, labels, categories and formats. The variable labels in the programmes include the question numbers to facilitate cross-references between the questionnaires and the variables. The programmes are available for download from the "Data protocol and variable definitions" page on the ESS10 NC Intranet (myESS), https://ess.nsd.no/portal/intranet/Survey_guidelines. Please apply the ESS10 2020 Data Protocol variable names, labels and categories to the data files before you submit them to the archive. The package of programmes includes the following syntax/dictionary files:

SPSS

ESS10ms.sps	Main questionnaire, syntax
ESS10ms.sav	Main questionnaire, dictionary, SPSS Windows 12-14
ESS10i.sps	Interviewer's questionnaire, syntax
ESS10i.sav	Interviewer's questionnaire, dictionary, SPSS Windows 12-14
ESS10cf.sps	Contact forms, syntax
ESS10cf.sav	Contact forms, dictionary, SPSS Windows 12-14
ESS10sddf.sps	Sample data file, syntax
ESS10sddf.sav	Sample data file, dictionary, SPSS Windows 12-14
ESS10Standards.sps*	Value labels for international standards in ESS (see section D1).

SAS

ESS10ms.sas	Main questionnaire, syntax
ESS10ms.sas7bdat	Main questionnaire, dictionary, SAS Windows 8-9
ESS10i.sas	Interviewer's questionnaire, syntax
ESS10i.sas7bdat	Interviewer's questionnaire, dictionary, SAS Windows 8-9
ESS10cf.sas	Contact forms, syntax
ESS10cf.sas7bdat	Contact forms, SAS Windows 8-9
ESS10sddf.sas	Sample data file, syntax
ESS10sddf.sas7bdat	Sample data file, SAS Windows 8-9
ESS10Standards.sas*	Formats for international standards in ESS (see section D1).

Comment to ESS10standards.*: If the survey organisation does not have procedures for automatic checking of wild codes in the variables
CTZSHIPD "CITIZENSHIP"
CNTBRTHD "COUNTRY OF BIRTH"
LNGHOM1 "LANGUAGE MOST OFTEN SPOKEN AT HOME: FIRST MENTIONED"
LNGHOM2 "LANGUAGE MOST OFTEN SPOKEN AT HOME: SECOND MENTIONED"
FBRNCNTC "COUNTRY OF BIRTH, FATHER"
MBRNCNTC "COUNTRY OF BIRTH, MOTHER"
ISCO08 "OCCUPATION, ISCO08"
NACER2 "INDUSTRY, NACE REV.2"
ISCO08P "OCCUPATION PARTNER, ISCO08"
ANCTRY1 "FIRST ANCESTRY, EUROPEAN STANDARD CLASSIFICATION OF CULTURAL AND ETHNIC GROUPS"
ANCTRY2 "SECOND ANCESTRY, EUROPEAN STANDARD CLASSIFICATION OF CULTURAL AND ETHNIC GROUPS"
the value labels/formats in ESS10Standards.* can be added to File 1 to facilitate proof-reading (spotting empty labels in frequency tables).

H. National technical summary and Appendices

The metadata documentation is an important part of the high quality ESS data and represents one of the major strengths of the European Social Survey. The National Teams have a central role in the production of such documentation by providing the National Technical Summary (NTS) and its appendices.

The National Technical Summary and its appendices will be available from the "Survey documentation" page at the ESS10 NC Intranet (myESS) https://ess.nsd.no/portal/intranet/Survey_guidelines by the end of September 2020. The National Teams will be notified in the workspaces when these forms are available. These should be submitted to the ESS Archive at NSD along with the other deliverables.

National Technical Summary and appendices:
National Technical Summary
NTS Appendix on Education
NTS Appendix on Income
NTS Appendix on Political Parties
NTS Appendix on Marital and Relationship status