

# Introduction to the Family Resources Survey

Updated February 2017

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## **Section 1: General**

### **1.1 Background**

The Family Resources Survey (FRS) is a continuous survey which collects information on the income and circumstances of individuals living in a representative sample of private households in the United Kingdom. The survey has been running in Great Britain since October 1992 and was extended to cover Northern Ireland in 2002/03.

The primary objective of the FRS is to provide the Department for Work and Pensions (DWP) with information to inform the development, monitoring and evaluation of social welfare policy. Detailed information is collected on respondents' income from all sources including benefits, tax credits and pensions; housing tenure; caring needs and responsibilities; disability; expenditure on housing; education; childcare; family circumstances; child maintenance.

Micro-simulation is central to DWP's use of the data. Therefore, careful attention is paid to the accurate collection of information followed by meticulous data processing, editing, and quality assurance.

The FRS data are designated by the UK Statistics Authority as National Statistics. The FRS provides the data for a number of other DWP National Statistics publications: Households Below Average Income, Pensioners' Incomes Series, and Income-Related Benefits: Estimates of Take-up.

The survey contains information of much interest to other government departments and, in particular, is used for tax and benefit policy purposes by Her Majesty's Revenue and Customs and Her Majesty's Treasury. The survey is also used extensively by academics and research institutes for social research purposes.

Since 2012 the cross-sectional element of the European Union Statistics on Income and Living Conditions (EU-SILC) has been incorporated as part of the FRS. The FRS also provides the first wave for the longitudinal element of EU-SILC which is carried out by the Office for National Statistics (ONS). Delivery of EU-SILC is an EU regulatory requirement. EU-SILC is used by Eurostat and the European Commission to monitor and inform policies aimed at combating poverty and social exclusion across the European Union.

The DWP receives financial contributions from the Scottish Government (for a boost to the sample in Scotland), the Department for Social Development in Northern Ireland (for questionnaire design and processing Northern Ireland data) and ONS (in relation to EU-SILC).

## **1.2 Uses of Family Resources Data**

The FRS is used extensively both within and outside the DWP. The main uses are:

### ***Households Below Average Income (HBAI)***

This publication uses household disposable incomes, adjusted for household size and composition, as a proxy for material living standards or, more precisely, for the level of consumption of goods and services that people could attain given the disposable income of the household in which they live.

This publication is available from

<https://www.gov.uk/government/collections/households-below-average-income-hbai--2>

### ***Pensioners' Incomes Series***

The HBAI dataset is used in the Pensioners' Incomes Series, the Department's analysis of trends in components and levels of pensioners' incomes. This report is available from

<https://www.gov.uk/government/collections/pensioners-incomes-series-statistics--3>

### ***Income-Related Benefits: Estimates of Take-Up***

Figures are based on a combination of administrative and survey data. The FRS provides information about people's circumstances, which is used to estimate numbers of people who are not claiming benefits to which they may be entitled. This report is available from

<https://www.gov.uk/government/collections/income-related-benefits-estimates-of-take-up--2>.

### ***DWP Policy Simulation Model and other policy analysis***

The DWP's Policy Simulation Model (PSM) is used extensively for the development and costing of policy options. FRS responses are updated to current prices, benefits and earnings levels and can be calibrated to the DWP Departmental Report forecasts of benefit caseload. Using FRS data has made it possible to model some aspects of the benefit system which could not be done previously, for example severe disability premiums or allowances for childcare costs.

In addition to their use in formal modelling, FRS data play a vital role in the analysis of patterns of benefit receipt for policy monitoring and evaluation, and benefit forecasting.

### ***Other government departments and the wider research community***

The survey is widely used by other government departments. HM Revenue and Customs, for example, uses the FRS to produce information on the take-up of Child Benefit and Tax Credits (for more information see:

<https://www.gov.uk/government/collections/personal-tax-credits-and-child-benefit-finalised-award-statistics-take-up-rates>).

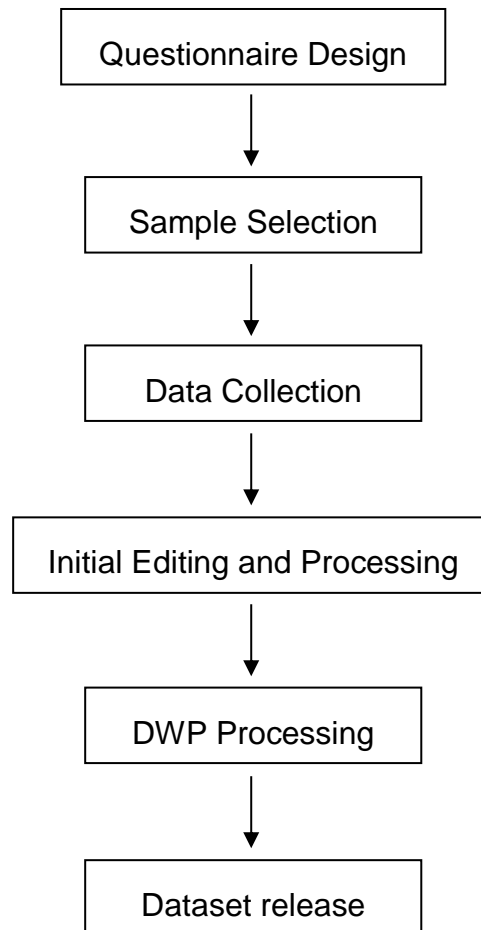
The Department for Social Development in Northern Ireland (DSDNI) uses the FRS to produce similar reports to DWP, focused on Northern Ireland (for more information see: <https://www.communities-ni.gov.uk/topics/family-resources-survey>).

Researchers and analysts outside government can also access the data through the UK Data Service (<https://discover.ukdataservice.ac.uk/series/?sn=200017>).

## Section 2: End-to-End process

Figure 1 shows the high-level process map for the FRS. The following sections provide further information on each stage of the process.

**Figure 1: FRS Process Map**



Annex A shows a more complete picture of the end-to-end process, together with approximate timescales and details of the quality assurance activity at each stage.

## 2.1 Questionnaire Design

Modelling benefit entitlement is central to many of the DWP uses of FRS information and therefore the data collected reflects this, focusing on income, including receipt of benefits, housing costs and circumstances of household members, such as whether someone gives or receives care or has childcare costs.

This focus also underlies the routing of some questions. For example, detailed questions on the value of liquid assets held are only asked of those respondents who are willing to provide an estimate of the value of their total savings and report a figure between £1,500 and £20,000. Over a quarter of benefit units surveyed fall into this category. This range is wide enough to capture those who may be entitled to benefit based on their capital but reduces the burden on the majority of respondents.

Further questions address other areas relevant to DWP policy such as barriers to moving off benefits and into work and maintenance payment and receipt.

### ***FRS Questionnaire Consultation***

In the summer of each year, FRS users are asked to review the contents of the FRS questionnaire and put forward suggestions for change. This annual consultation exercise is known as the FRS Questionnaire Consultation (FRS QCon).

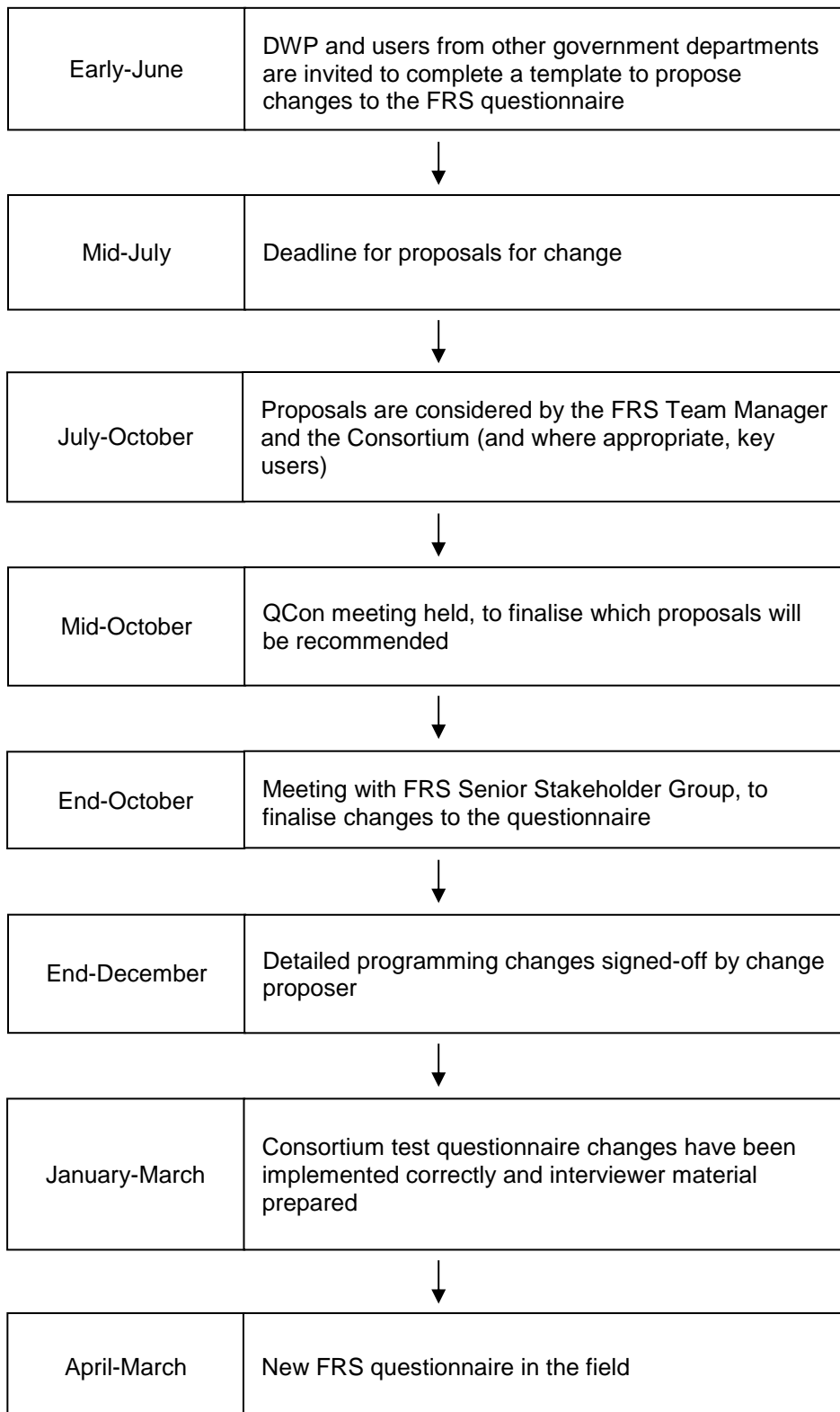
In the following October, FRS users are invited to attend the annual QCon meeting to discuss all the changes which have been proposed. The list of proposals, together with a recommendation to approve or reject, is taken to the FRS Senior Stakeholder Group at the end of October for agreement.

The Senior Stakeholder Group comprises Senior Civil Service representatives from:

- Technology Group (DWP)
- State Pension Directorate (DWP)
- Strategy Directorate (DWP)
- Child Poverty Directorate (DWP)
- Scotland
- Northern Ireland

Figure 2 shows the detailed plan and timetable for the FRS QCon.

**Figure 2: FRS QCon Timetable**



## 2.2 FRS Questionnaire

The questionnaire is divided into three parts. The first part is the household schedule which is addressed to one person in the household (usually the household reference person (HRP), although other members are encouraged to be present) and mainly asks household level information, such as relationship of individuals to each other, tenure and housing costs. Next is the individual schedule which is addressed to each adult in turn and asks questions about employment, benefits and tax credits, pensions, investments and other income. Information on children in the household is collected by proxy from a responsible adult. A final section goes on to ask the value of investments for relevant respondents.

Table 1 shows the main FRS question blocks together with any known quality concerns about the responses. As with any survey, the FRS is subject to non-response at both item (question) and unit (person/household) level. Income in particular, the capture of which is the primary objective of the FRS, is a sensitive topic and, because it is self-reported, is subject to misreporting.

**Table 1: FRS Question blocks**

Question Block	Details	Data Collection Issues
Household grid	To identify the individuals and relationships within the household to allow the identification of benefit units.	If a grandparent is the legal guardian of a grandchild, this has to be coded as parent and child for them to be assigned to the same benefit unit.
National identity and ethnicity	Country of origin, national identity and ethnicity questions.	
Tenure	Tenure and accommodation type.	Evidence suggests that respondents mistakenly report they reside in council accommodation when the council has transferred housing stock to a Housing Association. It is advised that the split between council and HA tenants may not be reliable.
Household insurance policies and charges	Insurance policies, council tax, water and sewerage charges, and property charges.	
Income from sub-letting	Rent from sub-letting.	



<b>Question Block</b>	<b>Details</b>	<b>Data Collection Issues</b>
Free welfare/school milk, meals and travel	Free welfare/school milk, and free school meals.	Free welfare milk has been replaced by healthy start vouchers. This is reflected in the FRS questionnaire from April 2010.
Childcare	Hours and cost of each form of childcare used for each child.	The number of hours reported may not match the period for which the cost is reported.
Care given and received	Informal care received and provided.	Caring is a sensitive aspect of the questionnaire. The receipt of Carers' Allowance is dependent on caring for one person for over 35 hours a week – detailed questions are only asked about household members so entitlement can not be determined where care is provided to individuals outside of the household.
Health	Identifies disabled respondents (under a number of different definitions of disability).	Not all those defined as disabled under the Equality Act (EA) can be identified from the questionnaire.
Education	Highest level of education.	A response of no qualifications at the question HiQual1 may in fact mean the respondent does have qualifications - i.e. it is a double negative.
Children outside the household	Identification of child maintenance responsibilities.	
Employment status	ILO employment definition.	
Details of employment	Details for pay and hours worked for employees and the self-employed.	The number of hours reported may not match the period for which the pay is reported.
Tax credits	Receipt of tax credits.	Respondents do not always understand what they receive and how much they are claiming.
Pension schemes	Pension provision.	Respondents do not always understand their pension provision. There is also some confusion with dormant/frozen pensions.

<b>Question Block</b>	<b>Details</b>	<b>Data Collection Issues</b>
State and other benefits and pensions	Income received from benefits and/or state pensions.	Respondents do not always understand what they receive and how much they are claiming. Most benefits are under-reported.
Income from pensions, trusts, royalties and allowances	Income from pensions.	Respondents do not always understand what they receive.
Maintenance, allowances, and other sources of income	Income received from maintenance payments and other sources.	Respondents do not always understand what they receive.
Children's income	Income received from jobs and/or trusts.	
Adult and child social deprivation	Material deprivation questions – used for the material deprivation poverty indicators.	
Television	Number and types of television – to identify free TV licence receipt.	
Financial and other types of assistance from family and friends		
Adult's savings and investments	Value of different accounts and assets held.	
Child's savings and investments	Value of different accounts and assets held.	
Benefit unit assets	Value of different accounts held.	Unlike the accounts table, each row on the assets table relates to an individual investment. Each row on the accounts table relates to an asset type.
Final questions	Consent for data linking and follow-up studies.	

## 2.3 Sample Selection

### **Sample Design**

In Great Britain the FRS sample uses a stratified clustered sample design.

Step One: Great Britain is divided into postcode sectors. After stratifying by regions and three variables derived from the 2001 Census of the Population<sup>1</sup>, a sample of postcode sectors is drawn with a probability of selection that is proportional to size.

Step Two: Within each postcode sector a sample of addresses is selected.

In order to improve the quality of estimates for Scotland the postcode sectors in Scotland are over-sampled. Approximately twice the number of postcode sectors was sampled in Scotland than would be required under an equal-probability sample of the UK.

Each year, one half of the postcode sectors are retained from the previous year's sample, but with new addresses chosen; for the other half of the sample, a fresh selection of postcode sectors is made (which in turn will be retained for the following year). This is to improve comparability between years.

In Northern Ireland the FRS sample uses a stratified random sample design. Northern Ireland is stratified into three regions and the number of addresses drawn from each region is in proportion to the number of addresses in the region.

For further information please refer to the methodology chapter of the FRS publication (<https://www.gov.uk/government/organisations/department-for-work-pensions/series/family-resources-survey--2>).

### **Sampling Frame**

The Great Britain FRS sample uses a stratified clustered probability sample drawn from the Royal Mail's small user's Postcode Address File (PAF). The small user's PAF is a list of all addresses where fewer than 50 items of mail are received a day, and is updated twice a year.

The Northern Ireland FRS sample uses the Valuation and Lands Agency (VLA) property database. This is the most up-to-date listing of private households in Northern Ireland and is made available to the Northern Ireland Statistics and Research Agency for research purposes.

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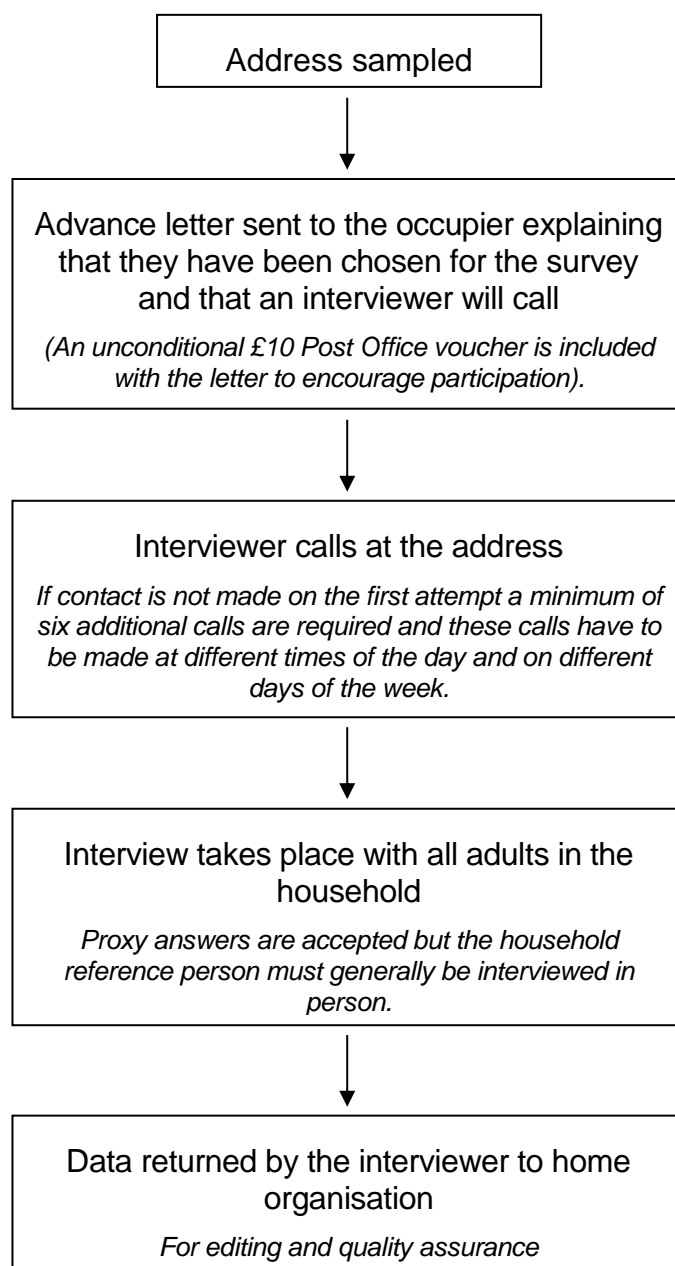
<sup>1</sup> The proportion of households where the household reference person is in NS-SEC 1-3, the proportion of economically active men aged 16-74, and the proportion of economically active men aged 16-74 who are unemployed.

## 2.4 Data Collection

The Office for National Statistics (ONS) and NatCen Social Research (NatCen) have conducted the fieldwork for the FRS since 1992. In 1996, 2000, 2005, 2010 and 2014 the FRS contract was tendered as part of the good practice in government programme.

Interviews are carried out on behalf of DWP by interviewers from ONS and NatCen. Each month the postcode sectors are systematically divided between the two organisations and then assigned to the field staff. Figure 3 shows the fieldwork process.

**Figure 3: Fieldwork process**



The mean face-to-face interview length for Great Britain in 2015/16 was 69 minutes, but the time will vary according to the size of household and its circumstances. Approximately 8 per cent of interviews lasted more than 2 hours.

In Northern Ireland the sampling and fieldwork for the survey are carried out by the Central Survey Unit at the Northern Ireland Statistics and Research Agency. The responsibilities for programming the survey questionnaire, making annual modifications, initial data processing and data delivery are retained within ONS and NatCen.

### ***Questionnaire delivery***

The FRS was one of the first Government surveys to use Computer Assisted Personal Interviewing (CAPI). An advantage of this is that checks can be incorporated into the programme to ensure that data is captured correctly at source.

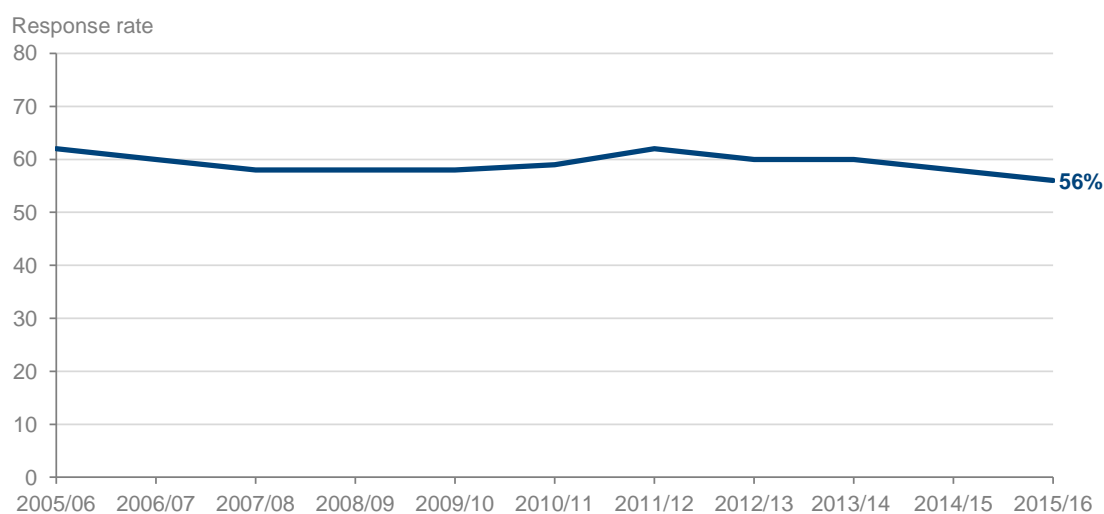
Interviewers are encouraged to consult documentation from respondents at all stages of the interview to ensure that the data are as accurate as possible. For some items, whether or not certain documents are consulted is recorded on the questionnaire, helping users of the data to judge the accuracy.

## 2.5 Response Rates

The FRS aims to interview all adults in a household. A household is defined as fully co-operating when it meets this requirement. In addition, to count as fully co-operating, there must be fewer than 13 'don't know' or 'refusal' answers to monetary amount questions in the benefit unit schedule (i.e. excluding the assets section of the questionnaire). Proxy interviews, where someone provides answers on behalf of someone else, are accepted only in restricted circumstances.

The final FRS dataset only contains fully co-operating households.

### Response rate, 2005/06 to 2015/16, United Kingdom



The grossing regime (see section 2.7) implicitly adjusts for non-response.

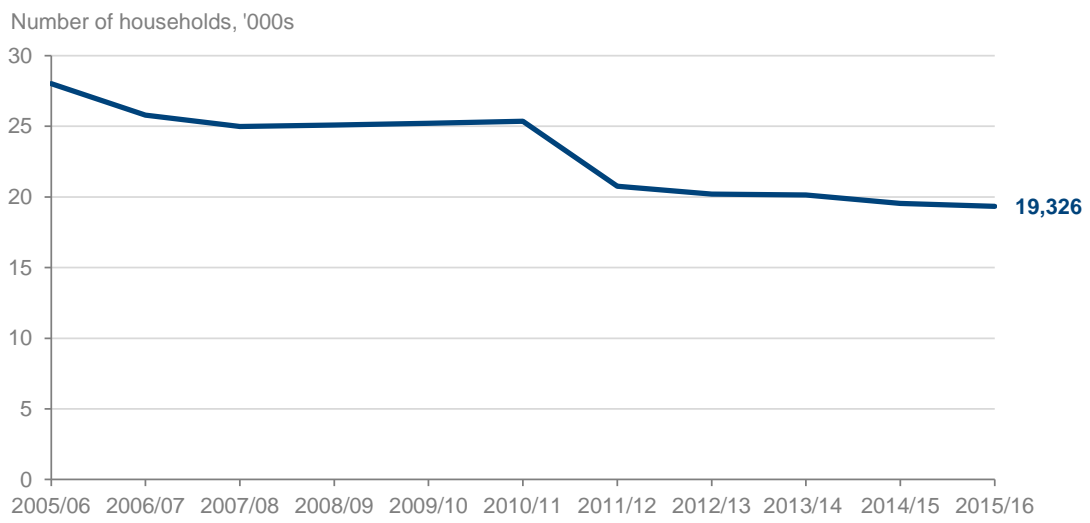
For further information, please refer to the methodology chapter of the FRS publication and the non-response reports found at:

<https://www.gov.uk/government/organisations/department-for-work-pensions/series/family-resources-survey--2>

### **Achieved Sample Size**

Figure 5 shows how the achieved sample size (number of households) has changed over time. In 2011/12 the sample size was reduced from 25,000 to 20,000 households.

## Achieved sample, 2004/05 to 2014/15, United Kingdom



## 2.6 Initial Editing and Processing

When the information collected from the interview is returned to the interviewer's home organisation, both ONS and NatCen editors review the data collected by the interviewers and, for example:

- Convert data collected into Standard Occupational Classifications (SOC) and Standard Industrial Classifications (SIC);
- Consider whether interviewer notes, written when a check has been overridden, require the data collected by the interviewer to change;
- Impute an amount for rent and housing benefit if missing for social rented sector properties, using a specifically prepared version of the CIPFA tables;
- Impute an amount for Council Tax if missing, using specifically prepared council tax tables;

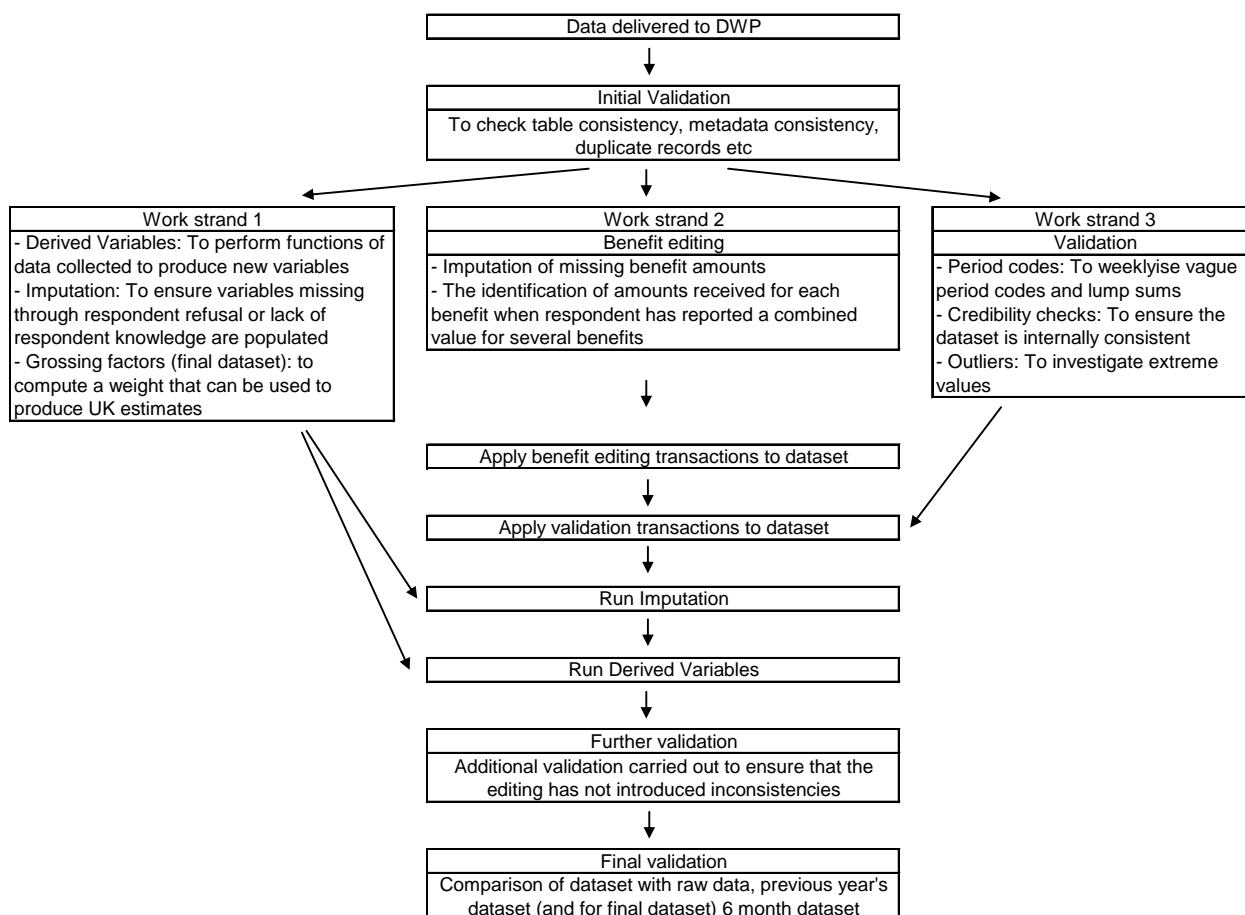
NatCen then passes the edited version of the data collected by NatCen interviewers to ONS for further quality assurance (QA). ONS complete QA processes on a monthly, 6 monthly and annual basis which, similar to the editing process, resolve potential discrepancies in the data. The checks identify cases where responses recorded at interview appear to be incorrect on the basis of other given responses or recorded responses appear too high or too low for a specific question. Identified cases are investigated and suggested edits are supplied to DWP for action where appropriate. Issues are often resolved by referring to notes made in the program by interviewers at the time of interview.



## 2.7 DWP Processing

An overview of the processing of the FRS dataset by the FRS Team within DWP is shown in Figure 6.

**Figure 4: Overview of DWP Processing**



### **Initial Validation**

Initial validation is the process of ensuring that:

- i) All important variables are present;
- ii) The metadata is consistent with the data delivered;
- iii) The data is structurally consistent.

### **Derived Variables**

Derived variables (DVs) are customised variables within FRS datasets derived using information collected both in the survey and some from other sources. They are created at the data users' request to make it easier for the users to carry out analysis and to ensure consistent definitions are used in all FRS analyses.

### ***Imputation***

Combinations of the following methods are used to impute missing or unknown values:

- i) Hot-decking - where the value of interest from a similar respondent is used to impute the missing value;
- ii) Bulk editing - where a batch of missing values that satisfy particular criteria are imputed en masse;
- iii) Algorithms - where a missing value is imputed to be the function of other reported values;

### ***Grossing***

A number of control variables, taken from external data sources, are used to calculate a grossing factor which ensures the FRS can be used to produce estimates for the UK. In order to reconcile control variables at different levels and estimate their joint population, software provided by the French National Statistics Institute, Calmar, has been used. This software makes the final weighted sample distributions match the population distributions. This process is known as calibration weighting. It should be noted that if a few cases are associated with very small or very large grossing factors, grossed estimates will have relatively wide confidence intervals.

### ***Benefit Editing***

Benefit editing is the process of ensuring that:

- i) Missing benefit amounts are imputed;
- ii) Benefit receipt (and benefit amounts) recorded are plausible;
- iii) Component parts of multiple benefit amounts reported together are identified and recorded in the dataset.

### ***Period Codes***

In the FRS, the majority of monetary amounts are converted to a weekly equivalent. To calculate this, respondents are usually asked firstly the amount and then the length of time this covered, recorded as a period code. As part of the conversion process period codes are used in conjunction with amount variables to give weekly totals for all receipts and payments. Conversion to a weekly equivalent is mainly carried out by ONS (see section 2.4). However, sometimes the period code relates to a lump sum or a one-off payment. In these cases, the corresponding value does not automatically convert to a weekly equivalent. In order for the data to be consistent across the survey, edits are applied to convert most lump sums and one-off payments to weekly equivalents. In the same way, where period codes were previously recorded as 'don't know' or 'refused', these are imputed so that the corresponding amount can be converted to a weekly equivalent in the final dataset.

### ***Credibility Checks***

Credibility checks ensure that the dataset is internally consistent. For example, it is ensured that payments to the mortgage from outside the household that are included in the mortgage payment are not greater than the mortgage payment itself. Such cases are examined and edited where necessary.

### ***Outliers***

Statistical reports of the data are produced to show individual cases where an amount was four or more standard deviations away from the mean. For these cases, the individual record is examined and where necessary, the case is edited. The outliers remaining in the database are verified as being an accurate recording of the respondent's response by examining other relevant data.

### ***Further Validation***

When all editing has been finalised a further round of credibility and consistency checks are run to ensure that the edits made to the dataset during imputation and in the creation of derived variables are plausible.

### ***Final Validation***

Prior to the release of the final dataset, the dataset is compared against the following to ensure that no systematic errors have been introduced through the editing process and that the dataset as a whole looks sensible:

- i) The final release and the raw data sent by ONS;
- ii) The final release and the six month test dataset release;
- iii) The final release and the final release of the previous year.

## 2.8 Dataset Release

The timetable for the release of the FRS dataset is shown in table 2.

**Table 2: Timetable of dataset release for survey year x**

Date	Dataset	Notes	Availability
March/April (x+1)	6 month test dataset	User testing to ensure that changes to the questionnaire have been implemented correctly	<ul style="list-style-type: none"> <li>• DWP analysts with access to the full dataset</li> <li>• OGDs with access to a non-UKDS dataset (on request)</li> </ul>
September/October (x+1)	12 month test dataset	User testing to ensure that changes to the questionnaire have been implemented correctly	<ul style="list-style-type: none"> <li>• DWP analysts with access to the full dataset</li> <li>• OGDs with access to a non-UKDS dataset (on request)</li> </ul>
February/March (x+2)	Final dataset	Released at the same time as the FRS National Statistics Publication	<ul style="list-style-type: none"> <li>• All versions of the FRS dataset made available.</li> </ul>

### ***FRS Final dataset***

The final FRS dataset is made available in a number of different versions:

- **FRS full (non-anonymised) dataset**

This is the main FRS dataset used by DWP analysts and some other government departments. It does not contain names, addresses postcodes or other sensitive personal information. However, it is still potentially disclosive and access is strictly controlled.

- **FRS anonymised dataset**

This is an FRS dataset with a number of processes applied to ensure the dataset is fully anonymised. ONS is consulted annually for advice on how to ensure the dataset is not disclosive and this advice is acted upon. This

version of the dataset is deposited at the UKDS (the End-User Licence version).

- **FRS Secure Access File**

This dataset is partially anonymised; some variables are removed, including date of birth. It can only be accessed via a Safe Room at the University of Essex.

- **Other datasets**

Copies of the special licence dataset plus additional variables can be made available on request.

## Section 3: Using the FRS Dataset

### 3.1 Key Definitions

**Household:** One person living alone or a group of people (not necessarily related) living at the same address who share cooking facilities and share a living room or sitting room or dining area.

**Benefit unit:** A single adult or a couple living together as married and any dependent children. A household will consist of one or more benefit units.

For example, an adult child living at home with his/her parents:

Number of households=1

Number of benefit units=2 (parents, adult child)

Number of individuals=3 (Mum, Dad, adult child)

**(Dependent) child:** An individual aged under 16 or aged between 16 and 19 and:

- Not married nor in a Civil Partnership nor living with a partner; and
- Living with parents; and
- In full-time non-advanced education or in unwaged government training.

**Household Reference Person (HRP):** In a single household the HRP is the sole householder (i.e. the person in whose name the accommodation is owned or rented). If there are two or more householders the HRP is the householder with the highest personal income from all sources. If there are two or more householders who have the same income the HRP is the eldest householder.

**Head of benefit unit:** The HRP if it is the benefit unit to which the HRP belongs, or if not, it will be the first person in the benefit unit.

### 3.2 The Hierarchical Dataset

The FRS hierarchical dataset consists of around 23 (depending on year) tables, with each table relating to a particular level (e.g. household, benefit unit or person) or type of information (e.g. pensions). General-purpose tables covering household, benefit unit, adult and child information will contain a record for each household, benefit unit, adult and child in the sample. Other, more specialised tables, will contain records on the basis of relevant routing of the questionnaire/circumstances of respondents. Individual records are uniquely identified by a combination of one or more key variables.

Annex B provides an overview of the information held in each of the tables, together with the key variables used to identify individual records. Key points to note:

- The highest level in the hierarchy is the household level. Records in the table 'househol' are identified by the unique identifier 'sernum', made up of a combination of the area, address and household codes, plus an additional figure to denote the year.
- Each household may consist of a number of benefit units, records for which are identified by the additional variable 'benunit'.
- Each benefit unit and household will consist of at least one adult. The adults and children can be identified using the additional variable 'person'.
- The household, benunit and adult tables hold the variable 'gross4', a weight variable or grossing factor which can be used to produce weighted estimates.

### 3.3 The Flatfile

Unlike the hierarchical dataset, the flatfile is a benefit unit level table with all the information in the dataset stored on one line, regardless of how it has been stored in the hierarchical dataset.

Variables have different names compared to the hierarchical one, despite holding identical information. Variables from the hierarchical datasets are mapped to the flatfile using suffixes to distinguish the person to whom the variable relates where necessary. For example,

	Hierarchical Variable (Table)	Flatfile variable
Age of Husband	Age (Adult)	AgeHd
Age of Wife	Age (Adult)	AgeSp
Age of First Child	Age (Child)	AgeC1
Age of Second Child	Age (Child)	AgeC2
Amount of Child Benefit received	Benamt (Benefits)	CBSp
Etc.....		

The flatfile has been developed specifically for the Take-Up and PSM teams. Although the flatfile is made available to all users, it is recommended that the hierarchical version of the dataset is used.



### **3.4 FRS Documentation**

The FRS dataset is supported by a number of documents designed to help FRS users interpret and use the dataset.

The most useful documents are the Questionnaire Instructions, which is a copy of the questionnaire used by the interviewers, and the Hierarchical Document, which contains a list of all the variables on each of the tables in the dataset alongside possible values.

Annex C provides more information on the content of all user documentation.

### **3.5 Points to Note**

#### ***Geography***

Owing to its sample design, the FRS can not be used to provide robust estimates at Local Authority level, meaning that the lowest level of geography for which the FRS can be used to provide estimates is region.

#### ***Small Sample Sizes and Volatile Estimates***

Details of the FRS disclosure guidelines can be found at:

<https://www.gov.uk/government/organisations/department-for-work-pensions/series/family-resources-survey--2>

#### ***Monetary Values – Weekly equivalents***

Generally, all monetary values recorded on the FRS are weekly equivalents – i.e. the figure provided represents pounds per week.

When someone reports receipt of a particular monetary amount, they are then asked follow-up questions about the amount received and the period that covered. The standard period codes used are:

1	1 week
2	2 weeks
3	3 weeks
4	4 weeks
5	Calendar month
7	Two Calendar months
8	Eight times a year
9	Nine times a year
10	Ten times a year
13	Three months (13 weeks)
26	Six months/26 Weeks
52	One Year/12 Months/52 Weeks
90	Less than 1 week
95	One off/lump sum
97	Other

Period codes 1-52 are used to convert the amount reported into a weekly equivalent. The original period codes (such as benpd, the period the last amount of benefits received covered) are provided so you can get back to the original answer if required.

Converting amounts with a period code of 1-4 into a weekly equivalent is straightforward; simply divide by the number of weeks. For period codes 5-52, it is easiest to calculate the annual amount and multiply by 7/365 (or 7/366

in a leap year) to get the weekly value. Code 90 amounts are doubled, on the basis that such payments will cover half a week on average. Codes 95 (a lump sum or one-off payment) and 97 (Other) are treated as annual payments and converted to a weekly equivalent in the same way as code 52.

A few variables, mostly related to water and sewerage charges, use period codes in a different format. Here the period code is the number of times per year a payment is made and this, again, can be weeklyised by calculating the annual amount and multiplying by 7/365. The original amount that the respondent reported can be recovered from FRS data by undoing the weekly conversion.

### ***Monetary Values - Period***

Generally respondents are asked if they are receiving/making an income/payment and the last amount they received/paid. Note that this may mean that questions on time (for example number of hours worked in the last 7 days or the number of hours of childcare in the last 7 days) do not correspond with the amount received/paid for this work/service.

### ***Monetary Values – Averages***

Income variables within the FRS tend to include extreme values (outliers) which are not edited where there is sufficient evidence to suggest they have been accurately recorded. These cases can have a significant effect on the mean average. In addition, the distribution for most income variables is skewed. Therefore users are recommended to use the median when presenting averages.

### ***Disability***

The definition of disability used in the FRS publication is consistent with the core definition of disability under the Equality Act 2010. A person is considered to have a disability if they have a long-standing illness, disability or impairment which causes substantial difficulty with day-to-day activities. . However, some individuals classified as disabled and having rights under the Equality Act 2010 are not captured by this definition:

- People with a long-standing illness or disability who would experience substantial difficulties without medication or treatment
- People who have been diagnosed with cancer, HIV infection or multiple sclerosis and who are not currently experiencing difficulties with their day to day activities
- People with progressive conditions, where the effect of the impairment does not yet impede their lives
- People who were disabled in the past and are no longer limited in their daily lives are still covered by the Act.

## **Section 4: Contact Details and Useful Links**

The FRS team is happy to answer questions on the FRS and how to analyse the dataset (including checking SAS code). Please contact the FRS team at:

[team.frs@dwp.gsi.gov.uk](mailto:team.frs@dwp.gsi.gov.uk)

The FRS publication and further documentation can be found at:

<https://www.gov.uk/government/organisations/department-for-work-pensions/series/family-resources-survey--2>