



# Continuous Scottish House Condition Survey

Technical Report  
Year 3 (2005/06)

24 August 2007



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## **1 Introduction**

### **1.1 Purpose of Technical Report**

The purpose of the Continuous Scottish House Condition Survey Technical Report is to provide an explanatory account of the survey process from sample design to data delivery. This report covers the survey year from October 2005 to September 2006. It includes information on the sample design, questionnaire development, fieldwork, response, quality assurance and data delivery.

### **1.2 Background and History**

The Continuous Scottish House Condition Survey (CSHCS) was launched in October 2003. The survey is used to monitor the condition of homes in Scotland; it is also used to monitor the effectiveness of policies intended to improve Scotland's housing stock at both a national and local level. The CSHCS consists of two parts: a social survey interview with the householder and a physical survey to assess the condition of the dwelling. The CSHCS is carried out by the Office for National Statistics (ONS) and Miller Mitchell Burley Lane (MMBL) on behalf of Communities Scotland. Previously, the Scottish House Condition Survey (SHCS) had been undertaken as a cross-sectional survey (in 1991, 1996 and 2002). The aim of introducing a continuous survey approach was to provide an ongoing picture of Scotland's housing and to introduce more flexibility in the topic areas that could be covered.

### **1.3 Communities Scotland**

Communities Scotland is an agency of the Scottish Executive and is responsible for housing and regeneration in Scotland. Communities Scotland (formerly Scottish Homes) has sponsored the survey since its inception in 1991. It is responsible for producing the Scottish House Condition Survey Report which provides profiles of housing and households, and information on housing standards, amenities, repairs, access, fuel poverty and energy efficiency. During the last year of the survey, responsibility for the CSHCS reverted to the Scottish Executive.

### **1.4 Office for National Statistics and Miller Mitchell Burley Lane**

ONS is the government department that provides UK statistical and registration services. ONS is responsible for producing a wide range of key economic and social statistics which are used by policy makers across government. It carries out major social surveys including the Census of Population, Labour Force Survey and General Household Survey. ONS carries out the CSHCS social survey and has overall management responsibility for the CSHCS. The project is conducted by ONS in partnership with MMBL. MMBL Ltd is a UK-wide practice of chartered surveyors. All CSHCS related work was carried out from their Central Administration Unit (CAU) at their Edinburgh office.

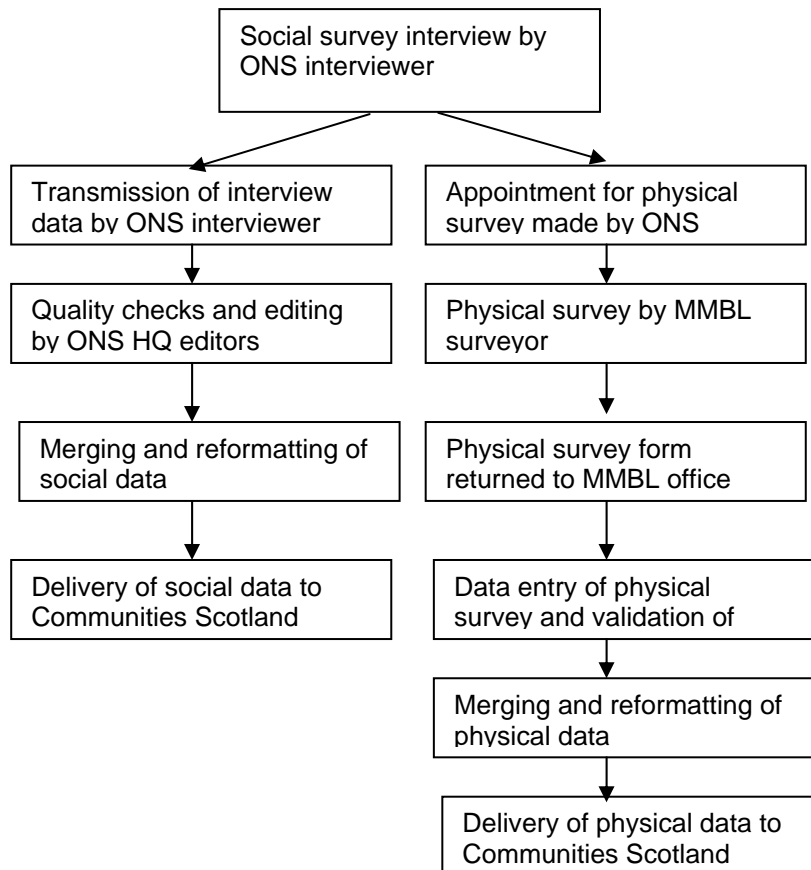
### 1.5 General Summary of the Survey Process

The Field work for Year Three of the CSHCS began in October 2005 and finished in September 2006.

The aim was to achieve a social survey interview with the householder matched with a physical survey of the property the household lives in. This constitutes a paired case. Typically, this involved an ONS interviewer conducting a computer assisted personal interview (CAPI) and making an appointment for a surveyor to call to conduct a physical survey at a later date. Details of the appointment were transmitted to a secure website at MMBL. An MMBL surveyor then conducted a visual inspection of the property (internal and external) on a paper form which he/she coded and sent back to the MMBL office for data entry.

The social survey information recorded at the interview was transmitted to ONS where it was entered into an edit version of the program to identify inconsistencies, errors and outliers. The social survey data were then edited, formatted and delivered to Communities Scotland. The physical survey forms were received by validators working in the Central Administration Unit office. They then keyed the information into a bespoke data input program. Data were then run through a validation program to check for inconsistencies. Physical survey data were then delivered to Communities Scotland. *(See Figure 1 for a diagrammatical representation of the process)*

**Figure 1: Summary of CSHCS Processes**



## 2 Sampling

### 2.1 Sampling Frame

The sampling process was designed by the ONS Methodology Group and carried out by the Sampling Implementation Unit (SIU) at ONS. The sample was selected from the small users Postcode Address File (PAF). This is compiled by Royal Mail as a list of all delivery points that receive fewer than fifty items of post each day. The file is updated twice yearly.

### 2.2 Sample Design

The sample for 2005-06 was drawn as a stratified one-stage unequal probability sample of addresses. This was carried out in order to meet targets on a Unitary Authority (UA) level in the most efficient way. Addresses for each UA were sampled from the PAF systematically using a fixed sampling interval from a random start point, both of which were proportional to the size of the UA. Addresses were sorted by postcode, which provided implicit stratification by area. Within each UA, every eligible address had an equal chance of selection, but due to differences in UA size, there were differing probabilities of selection between UAs. The CSHCS over-samples many of the smaller local authorities in order to deliver a minimum number of responding paired cases (240 over three years). Addresses that had been selected by Local Authorities for any local house condition survey and addresses sampled for the Scottish Household Survey were removed from the sample file in order to reduce respondent burden.

In Year 3 (as in Year 2) quotas were not based on discrete UAs but on groupings convenient for the interviewer to improve efficiency. As a result there was substantial quarterly variation in the sample size for UAs (*see Table 1*).

Close monitoring of results by UA enabled ONS to identify areas where 3-year response targets were likely to be missed. As a counter-measure, a boost sample was drawn in three areas: Aberdeen City, West Dunbartonshire, and East Dunbartonshire. This was issued to interviewers in June, 2006.

**Table 1: Quarterly Sample size by UA**

UA	Q1	Q2	Q3 Main	Q3 Boost	Q4	Total
Aberdeen City	40	60	36	50	40	226
Aberdeenshire	39	39	45	0	37	160
Angus	40	38	35	0	47	160
Argyle & Bute	47	49	19	0	45	160
Scottish Borders	27	58	21	0	54	160
Clackmannanshire	38	42	40	0	40	160
West Dunbartonshire	39	44	40	50	37	210
Dumfries & Galloway	48	37	31	0	44	160
Dundee City	42	42	41	0	35	160
East Ayrshire	20	55	20	0	57	152
East Dunbartonshire	20	38	43	30	59	190
East Lothian	68	20	58	0	22	168
East Renfrewshire	58	43	38	0	61	200
Edinburgh, City of	112	100	117	0	127	456
Falkirk	40	26	57	0	29	152
Fife	58	58	73	0	67	256
Glasgow City	159	142	184	0	187	672
Highland	52	59	22	0	27	160
Inverclyde	40	58	51	0	59	208
Mid Lothian	20	59	32	0	41	152
Moray	32	40	33	0	31	136
North Ayrshire	44	29	47	0	40	160
North Lanarkshire	84	99	54	0	51	288
Orkney Islands	43	30	40	0	39	152
Perth & Kinross	41	26	35	0	58	160
Renfrewshire	61	57	49	0	41	208
Shetland Islands	36	33	44	0	31	144
South Ayrshire	40	39	56	0	25	160
South Lanarkshire	52	53	43	0	12	160
Stirling	45	41	58	0	40	184
West Lothian	37	20	65	0	38	160
Western Isles	37	23	33	0	35	128
<b>Total</b>	<b>1,559</b>	<b>1,557</b>	<b>1,560</b>	<b>130</b>	<b>1,556</b>	<b>6,362</b>

### 2.3 Multi-dwelling Procedures

The Continuous Scottish House Condition Survey differs from most other social surveys in that the primary unit of analysis is the *dwelling*. A dwelling is defined as:

... a unit of accommodation (usually a house or flat) where all the rooms and amenities (e.g. kitchen, bath/shower room and WC) are for the exclusive use of the household(s) occupying them. Amenities may be located outside the front door, but provided they are for the exclusive use of the occupants, the accommodation is still a dwelling.

Interviewers were provided with a Dwelling/Household Selection form (see Appendix 12.4) for each address in their work assignment. These forms were used

to record information about each address, such as the type of property, the number of dwellings and eligibility for interview.

On occasion, when an interviewer arrives at a sampled address, they may find that the address is made up of more than one dwelling. The Dwelling/Household Selection Form enables the interviewer to select the dwelling at which they will be interviewing. This is done by means of a Kish grid, which allows for random selection of the dwelling, depending on the serial number of the address and the number of dwellings within that address.

This form is also used to select the primary household to interview, when a dwelling contains more than one household. A primary household is one that has the main responsibility for the dwelling. It is usually the case that the mortgage or lease is in their name; they have responsibility for paying rent to the landlord; and have responsibility for repairs and maintenance.

At a further point in the form there is another Kish grid, to be used for any instances when there is more than one primary household in the dwelling. Again, this enables the interviewer to randomly choose which primary household to include, depending on the serial number of the sampled address and the number of primary households found there.

## **2.4 Ineligible Addresses**

The following types of addresses were classed as ineligible for *social interviews*:

- Non-residential addresses and institutions. An institution is defined as 'an address at which four or more unrelated people slept; while they may not have eaten communally, the establishment must have been run by a person (or persons) employed for this purpose, or by the owner'. Private households with separate accommodation *within* an institution were included in the survey.
- Residential accommodation not used by a household as their main address (e.g. a holiday home or second home).
- Addresses in the PAF that did not exist because they had been demolished or had yet to be built.
- Dwellings in which no member of the household had lived three months or more.
- Caravans and other temporary structures

Private residential accommodation (occupied or unoccupied) could still qualify for a minimal physical survey. Rules for physical surveys are discussed later in this document.

## **2.5 Additional Social Surveys**

On occasions, surveyors would make contact with householders where the original social interviewer had failed. As long as householder had lived in the dwelling for three months and was willing to take part in a full survey, surveyors would obtain appropriate contact information for the respondent and pass this back to ONS. An

interviewer would then return and undertake the social survey, thereby completing a paired case.

### 3 Social Survey Questionnaire Development

The questionnaire used on the 2005/6 survey was based on the 2004/5 survey. This enables a high degree of comparability in results between survey years.

#### 3.1 *Computer Assisted Personal Interviewing - Blaise*

The CSHCS social survey uses Computer Assisted Personal Interviewing (CAPI) and was programmed using the Blaise system developed by Statistics Netherlands<sup>1</sup>. ONS has used Blaise since it was created in the mid-1980s and has a close collaborative relationship with Statistics Netherlands regarding its development.

Blaise has long been the standard CAPI software in Europe for complex social surveys and is now widely used across North America, too. For example, it is used by the US Census Bureau and Statistics Canada.

The pilot version and mainstage version of the CSHCS up to January 2004 was written in Blaise 4.2. From then on, Blaise 4.6 was used, in line with other surveys produced by ONS.

#### 3.2 *Content of the Questionnaire*

The social survey questionnaire consisted of the following modules:

- Household composition
- Nationality and ethnicity
- Type of accommodation
- Tenure of property
- Landlord details
- Ownership details
- Neighbourhood
- Noise
- Smoking
- Pet ownership
- Local services/ facilities
- Previous address
- Preferred accommodation
- Householders wishing to move out
- Repairs
- Satisfaction with property
- Heating and fuel bills
- Damp
- Disability, health and access
- Employment and education
- Purchase of house/ mortgage
- Renting
- Income
- Housing Benefit
- Council Tax
- Benefits and
- Other income and total household income

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<sup>1</sup> [www.cbs.nl/en/](http://www.cbs.nl/en/)

### **3.3 Versions of the Questionnaire**

During the survey year changes were made to the questionnaire. These were often of a minor nature, although some changes could have a significant impact on outputs. These changes fall under the following broad headings:

- to deal with changed customer requirements
- to deal with unforeseen circumstances
- to correct errors in programming
- to bring questions in line with government policy
- to extend harmonisation among government surveys

Changes made during the survey year are discussed below.

#### *3.3.1 October 2005*

The questionnaire used in October 2005 was identical to that used in the last quarter of Year 2 of the CSHCS.

#### *3.3.2 November 2005*

There were no changes from the previous month

#### *3.3.3 January 2006*

The introduction of civil partnerships in England and Wales on 5 December 2005 meant that recording of marital status had to change. This was coordinated across ONS surveys to begin in January 2006. As a result, the variable for marital status changed from MARSTAT to MarSta. This recorded the following values:

- 1 Never married
- 2 Married and living with spouse
- 3 Separated from spouse
- 4 Divorced
- 5 Widowed
- 6 Civil Partner
- 7 Separated from civil partner
- 8 Dissolved civil partnership
- 9 Surviving civil partner

Some additional checks were added, and some deficiencies in screen display were corrected.

#### *3.3.4 February 2006*

Benefits are recorded in two stages. Firstly, we record whether the household is in receipt of a particular benefit; then we record the amount of the benefit. Due to a routing error, amounts for certain benefits were not recorded. This applied from May 05 through August 05 (Year 2) and October 05 to January 06 (Year 3). The variables and the number of cases affected in Year 3 are given below.

Variables	Description	Cases affected
Ben12M1-Ben12M3	Social fund maternity grant	2
Ben12M1-Ben12M3	Community Care Grant	30
Winter	Winter fuel allowance	503
Ben6M1-Ben6M5	Back to Work Bonus	5
Ben6M1-Ben6M5	Extended payment Housing benefit	3
Ben6M1-Ben6M5	Widow's payment	2
Ben6M1-Ben6M5	Lone parent run-on benefit	2
Ben6M1-Ben6M5	Other state benefit	5

The missing amounts, corresponding to each benefit, will be subject to the imputation process.

### 3.3.5 April 2006

Respondents first identify the benefits they are receiving. They are then asked for the amount of the benefit they last received. Sometimes, respondents receive a single amount, covering several benefits, and are unable to split this into separate components. In that case, they should be routed to a separate question, which asks for the total amount they receive.

Due to a routing error, this “combined benefit” question was not asked from April 05 (Year 2) through February 06 (Year 3). In Year 3, fewer than 5% of cases recorded combined benefits. The problem was corrected in April 06.

Benefit amounts change annually in April, and the questionnaire was updated to reflect these.

“Working Families Tax Credit” and “Back to Work Bonus” no longer were available, and these benefit options were dropped from the questionnaire.

### 3.3.6 May 2006 onwards

There were no further changes to the Blaise program.

## 4 Social Fieldwork

### 4.1 Interviewer Training

Before starting work on the CSHCS, all interviewers were given a one-day briefing by ONS Research and Field staff. Topics covered during the training included the following:

- A presentation on the background to the project and uses of the survey data.
- Explanation of concepts used on CSHCS such as the Dwelling and Household Selection Forms, the Key Householder and different types of tenure.
- Practice scenarios to explore the questionnaire and focus on difficult/complex areas.
- The procedures for booking appointments for surveyors to conduct a physical survey and how to encourage respondents to agree to the physical survey.

### 4.2 Fieldwork Dates

Year Three of the CSHCS began in October 2005. Fieldwork was scheduled to be carried out in the first two months of each quarter (e.g. October and November in 2005), while reissues were carried out in the third month of each quarter (e.g. December 2005). Reissues are generally cases where there was a non-contact or circumstantial refusal which, in the opinion of interviewers, might be successful at a later attempt.

As noted above, a special boost sample was drawn and issued to interviewers for fieldwork to be carried out in June, 2006. No reissues were carried out in the final quarter of Year 3, as contractual agreements with surveyors finished in September.

**Table 2: Fieldwork quarters**

Quarter	Main	Reissues
1	October-November 2005	December 2005
2	January-February 2006	March 2006
3	April-May 2006	June 2006
	June 2006: Boost sample	No reissues carried out
4	July-August 2006	No reissues carried out

### 4.3 Contact Procedures

#### 4.3.1 Advance Letters

All addresses were sent an advance letter outlining the purpose of the survey and the importance of participation; confidentiality issues were also explained.

Interviewers were given the advance letters to post themselves, once they had planned how they would carry out work within their area. Allowing interviewers to post their own advance letters ensured that the time between delivery and the first interview call was not too great. As a result, householders were less likely to forget the letter. A copy of the advance letter can be found in Appendix 12.2

#### 4.3.2 *Purpose Leaflets*

Interviewers were also given a supply of purpose leaflets to leave with respondents. A purpose leaflet was left at all co-operating households. The leaflet provides more information about survey selection methods, what the data is used for, confidentiality and contact information. The leaflet also makes reference to the CSHCS website. A copy of the purpose leaflet can be found in Appendix 12.3.

#### 4.3.3 *Translations*

The advance letter was translated into the most common ethnic minority languages (Punjabi, Urdu, Cantonese, Kurdish, French and Farsi), and interviewers carried spare copies of these.

#### 4.3.4 *CSHCS Website*

The CSHCS website, which is part of Communities Scotland website, provided information to potential participants in a question and answer format. The advance letter translations described above were also made available on the website. The website can be found at [www.shcs.gov.uk](http://www.shcs.gov.uk).

## 5 Physical Survey

### 5.1 *Physical Survey Form*

The physical survey form used for the CSHCS Year 3 was identical to that used in Year 2<sup>2</sup>. Each physical survey was undertaken by a qualified surveyor, and the paper form completed by hand. Each address issued to MMBL for a physical survey had a unique identification number, and the surveyor attached this to the front of the physical survey form. Surveyors also recorded their name and identification number on the top of the form along with contact dates and times. Topics covered on the physical survey form included:

- Type of survey (i.e. full physical or dwelling description).
- Description of the dwelling.
- Characteristics of common block.
- Number of rooms.
- Room Repairs.
- Types of defects.
- Repairs to whole dwelling.
- Rooms/Floors Summary.
- Amenities.
- Services and fittings.
- Heating and insulation.
- Measurements of the property.
- Characteristics of common elements.
- Repairs to common elements.
- External construction materials.
- External repairs.
- Indicators of tolerable standard and whether property was Below Tolerable Standard (BTS).

At the end of the survey year all physical survey forms were scanned by ONS as a set of JPEG image files, organised by serial number and page. These were burned onto CD-ROM and sent to the Scottish Executive.

### 5.2 *Surveyor Recruitment and Training*

#### 5.2.1 *The Role of Regional Managers*

MMBL employed six Regional Managers for the CSHCS, all of whom had worked on the CSHCS in Year 2 and on the previous SHCS studies as either surveyor supervisors (known as 'monitors') or surveyors. The role of the Regional Manager was to ensure that the surveyors delivered high quality data. Each Regional Manager had a group of surveyors to manage and supervise. Their tasks

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<sup>2</sup> A typographical error in the Year 2 form (section P, Residual life codes) was corrected in Year 3

included attending surveyor briefings, providing support and guidance to their group of surveyors and monitoring their progress. Regional Managers were responsible for quality control and accompanied each of their surveyors for at least two days: once early on in fieldwork and again later in fieldwork. They also checked the first ten survey forms from each surveyor and, between them, conducted a quality check (“Back-check”) of around five per cent of cases issued for a full physical survey. Additionally, Regional Managers acted as surveyors, when required.

### 5.2.2 *Surveyors*

Most of the surveyors working on the CSHCS had worked on the SHCS in 2004/5. They were required to be fully professionally qualified (as chartered surveyors, architects, civil or structural engineers, environmental health officers or building control officers) and have at least five years post-qualification experience. Forty-six surveyors (including the six Regional Managers) worked on the CSHCS in 2005/6. Table 14 shows which surveyors worked in each of the three years of the CSHCS.

### 5.2.3 *Surveyor Training*

Surveyors attended a two-day residential briefing course prior to fieldwork commencing. The training was mainly presented by representatives from Communities Scotland, with MMBL and ONS providing support. The majority of the briefing centred on visiting dwellings to practise conducting physical surveys in the field. MMBL was responsible for identifying a selection of dwellings to be used as test houses, and Communities Scotland then selected those dwellings appropriate to be used to highlight key points to the surveyors.

Each surveyor completed a survey of four test houses, the results of which were processed and scored. The surveyors’ results were then compared with model answers, and results were fed back to Regional Managers and surveyors.

## 5.3 **Fieldwork Dates**

The fieldwork for the physical survey was carried out continuously between October, 2005 and the second week of October, 2006.

## 5.4 **Types of Physical Survey**

In Year Three, as in Year Two, there were two types of physical survey: full physical and dwelling description. Occasionally, there were external physical surveys. This happened when surveyors started work on the external part of a full survey with the intention of completing a full physical survey later. In some cases, the respondent never turned up. These cases were coded as a dwelling description in the data entry programme.

*A full physical survey* is a visual inspection of both the inside and outside of a property. The surveyor completes all parts of the physical survey form for a full

physical survey. Only a completed social survey interview with a full physical survey constitutes a paired case.

*A dwelling description* is a short physical survey and requires a description of the property only. Addresses consisting of non-contacts, vacants and second homes were issued to surveyors for dwelling descriptions.

For a full physical survey, surveyors made a photographic record of the dwelling and took shots of the front and back of the property as well as the surrounding area (usually taken looking left and right down the road).

## **5.5 Appointments System**

The practice of linking the social survey interview with an appointment for the physical survey was introduced in Year One of the CSHCS. At the end of the social survey interview, interviewers sought permission for a surveyor to call at the property and carry out a physical survey. They would also try to make an appointment and arrange a convenient time. Once a physical survey appointment had been made, appointment details would be transmitted back when the interviewer next transmitted social data to ONS. Information sent included the date and time of the appointment for the physical survey as well as useful notes (e.g. how to reach the front door or location of a tenement within a building). These data were extracted on arrival at ONS, saved in an appointments database, and immediately transmitted to a secure website at MMBL. This enabled surveyors to have notification of appointments within a short time of the social interview.

Where interviewers were unsuccessful in obtaining an interview, cases were still returned to ONS. At this point, cases were divided into three groups:

Transmit to MMBL immediately for a full survey

Transmit to MMBL immediately for a dwelling description

Defer transmission until after the reissue period

Deferring transmission was used predominantly for cases of circumstantial refusals and non-contacts, and allowed ONS a second chance to obtain a full interview. At the end of the reissue period, if no interview had been obtained, these cases would be sent to MMBL as dwelling descriptions.

As a contingency against any problems with the website, a list of new appointments could be produced by ONS on a spreadsheet and emailed to MMBL daily. Interviewers were encouraged to block-book appointments, leaving enough time between each for travelling. If an appointment was booked at short notice, interviewers were reminded (via a soft check in the interview program) that in addition to transmitting the booking information, they should telephone the MMBL Helpline to provide details.

The process whereby interviewers created appointments for surveyors had several advantages:

- Response to the physical survey would be improved by making an appointment at a time convenient to the householder. The rapport between interviewer and respondent during the social interview could be used to encourage agreement to a physical survey.
- Booking blocks of appointments in advance would mean more efficient use of surveyor time.
- Limiting the amount of time between the social and physical surveys would minimise any changes to the household within the property, for example, changes in the people living there or households that may have moved.

There was a continual review of the appointments system during Year Two, and feedback from MMBL office staff, MMBL Regional Managers and ONS interviewers led to some improvements in rules for appointments. Outside the three major conurbations (Glasgow, Edinburgh, Dundee) interviewers were asked not to make firm appointments less than 7 days in advance.

### **5.6 MMBL Helpline**

Staff in MMBL's Edinburgh office managed the day-to-day fieldwork process of the physical survey. There was a dedicated telephone Helpline and an email address for respondents, social survey interviewers and surveyors to contact. Helpdesk staff managed communication between respondents and surveyors. One of their core responsibilities was to allocate appointments to surveyors. All appointments on the CSHCS were transmitted directly to the 'Edinburgh Diary' for re-booking into the appropriate surveyor's diary. Another responsibility of the Helpdesk was to book or re-arrange appointments. Circumstances where this was required included:

- 'Soft' appointments, where the interviewer had been unable to make a firm appointment date and time.
- Appointments which had been cancelled by the respondent and rearranged.
- Missed appointments, where the respondent was away when the surveyor called.
- Appointments cancelled by surveyors due to adverse weather conditions.

The diaries of the surveyors were updated continuously, as soon as appointments were made by the Helpdesk. The Helpdesk confirmed all new appointments via email and also advised surveyors by telephone.

### **5.7 MMBL Website**

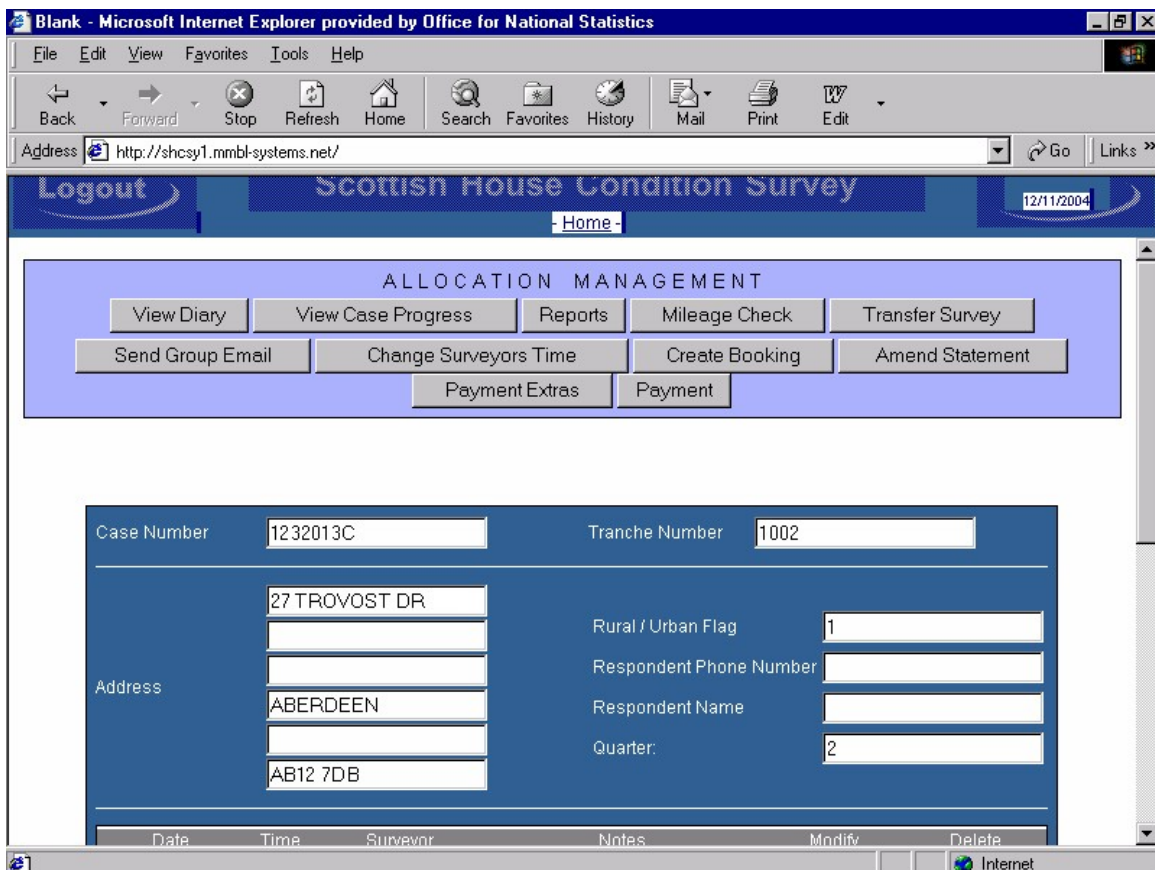
Physical survey appointments and the progress of physical surveys were monitored using a secure website managed by MMBL. The website was used by surveyors, Regional Managers, MMBL Helpline staff and ONS. All website users had their own password and were given access to different parts of the site, depending on their requirements.

Surveyors used the website to check the appointments that had been made for them. These were created by Helpdesk staff following appointments booked by interviewers. Surveyors logged their availability onto the website diary on a continuous basis. There was a notes section at the bottom of each day where they could record information to assist with the allocation of appointments, e.g. “last appointment must be at 4pm”. The website was also used to record mileage covered by surveyors and to calculate payments due.

The progress of individual cases could be viewed on the website by entering a unique case identification number. An overview of the case could then be seen, including: date of appointment, surveyor allocated, type of survey, date of completion of survey and date of receipt of form (see Figure 2).

Both surveyors and Helpdesk staff updated these on a continuous basis. Progress by surveyor and by region could also be monitored using the website. In order to produce weekly progress reports for the survey team, progress information was downloaded by ONS from the MMBL website to tie in with social survey progress information.

**Figure 2: Overview of a case**



## **5.8 Surveyor Variability**

### *5.8.1 Allocation Rules*

Rules regarding the allocation of surveyors were detailed in the contract between Communities Scotland and ONS/MMBL. The objective of the allocation was to control the distribution of addresses to surveyors, to minimise variability between surveyors, and to minimise bias within certain geographical areas. The allocation rules were:

- Each surveyor must work in at least two UAs in each year of fieldwork and in at least three UAs over the three-year fieldwork period. (The Highlands and the three island UAs were exempted from the latter requirement because of the large distances involved.)
- No surveyor should do more than 25% of the surveys issued in a UA per year, except in the Highlands and the three island UAs. Here the level was set at approx 33%.
- Each surveyor's allocation should contain a mixture of dwelling types similar to the profile of the area they are working in, over each year of fieldwork.
- Each surveyor's allocation should contain a balance of urban/rural properties approximate to the profile of the area they are working in, over each year of the fieldwork.
- Each surveyor should conduct no more than a maximum number of surveys over each year of fieldwork. This maximum was set at:  
 $1.5 \times (\text{total number of surveys issued in the year}) / (\text{number of surveyors}).$

From 2004/5 onwards it was agreed that Allocation Rules would be measured against Full Paired Surveys.

### *5.8.2 Back Checks*

In order to ensure consistency across surveyors, back-checks on approximately five per cent of responding households were conducted. Seven per cent of all issued sample addresses for 2005-6 were randomly selected. This allowed for a loss of up to two per cent of addresses due to refusals, ineligibility or non-contact. The result was a back-checking of five per cent of all addresses issued to MMBL. Additionally, all addresses that were found to be Below Tolerable Standard (BTS) were routinely back-checked. With the agreement of the Scottish Executive, back-checks were stopped once 150 back-checks (5% of the 3000 annual target) had been completed (although all dwellings Below Tolerable Standard were back-checked).

## 6 Response

### 6.1 Response Targets

The following response targets were agreed between Communities Scotland, ONS and MMBL:

- Response to the social survey
  - 70% response to social survey interview annually.
  - 60% response to social survey interview in any one UA annually.
- Number of paired surveys (cases with both a social survey interview and a full physical survey)
  - 3,000 paired surveys annually.
  - at least 240 paired surveys over three years in any one UA.
- Conversion rate (percentage of cases with a social survey interview where a full physical survey has been completed)
  - 83% of cases where a social survey interview has taken place have a full physical survey completed.
  - 75% conversion in any one UA annually.
- Vacants
  - 90% of vacant properties have an external survey completed.

### 6.2 Progress Targets

In order to monitor progress, a series of progress targets was also agreed:

- 95% of social survey interview cases required to provide 3,000 paired surveys at 83% conversion, completed by end of second month of the quarter.
- 95% of paired cases required quarterly to meet annual target of 3,000 paired surveys completed by the end of each quarter. A shortfall in the 750 required each quarter would be carried over into the next quarter and a revised target for that quarter calculated as 95% of the new total.
- 90% of the physical survey forms to be validated within three days of receipt. The remaining 10% were to be validated within seven days of receipt.

### 6.3 Response to Social Survey

The social survey response rate was calculated using the total number of social survey interviews achieved as the numerator and the total number of known eligible cases as the denominator. Table 3 shows that the social survey response rate (67.5%) for Year 3 was slightly below target. Where a social interview was obtained, 97% of households agreed to a full physical survey (*see Table 4*).

**Table 3: Response to social survey**

<b>Outcomes</b>	<b>Outcome codes</b>	<b>n</b>	<b>% of all cases</b>	<b>% of eligibles</b>
Co-operating	110-210	3679	57.8%	67.5%
Non-Contact	310-330	566	8.9%	10.4%
Refusal	410-450	1061	16.7%	19.5%
Other non-response	512-561	145	2.3%	2.7%
Total eligible		5451	85.7%	100.0%
Unknown eligibility	612-651	47	0.7%	
Ineligible	710-793	864	13.6%	
Total		6362	100.0%	

**Table 4: Interview and agreement to physical survey**

<b>Social Survey Interview</b>	<b>Code</b>	<b>n</b>	<b>%</b>
Interview plus agreement for physical survey	110	357 5	97.2%
Interview only	210	104	2.8%
Total		367 9	100.0%

Table 5 goes on to show how response varied from authority to authority, the highest response being achieved in the Western Isles (92%) and the lowest in Aberdeen City (52%). A minimum 60% response rate was met in all UAs with the following exceptions: Aberdeen City, Glasgow, North Lanarkshire, and Renfrewshire.

**Table 5: Response to the social survey by unitary authority**

UA	Outcome Codes								
		110	210	410-450	310-340	512-561	710-793	612-651	
	Set Sample (incl boost)	Full Interview		Refusal	Non-Contact	Other non-response	Ineligible	Unknown eligibility	Response Rate <sup>3</sup>
Aberdeen City	226	89	0	31	36	15	53	2	52.0%
Aberdeenshre	160	107	0	16	7	5	24	1	79.3%
Angus	160	110	3	22	4	2	19	0	80.1%
Argyle & Bute	160	95	6	24	3	1	29	2	78.3%
Scottish Borders	160	85	0	26	24	0	24	1	63.0%
Clackmannanshire	160	104	3	22	10	2	18	1	75.9%
West Dunbartonshire	210	120	3	26	35	7	19	0	64.4%
Dumfries & Galloway	160	99	0	33	7	2	19	0	70.2%
Dundee City	160	93	6	32	7	4	17	1	69.7%
East Ayrshire	152	85	6	30	12	2	16	1	67.4%
East Dunbartonshire	190	114	8	35	19	3	11	0	68.2%
East Lothian	168	98	3	35	8	5	19	0	67.8%
East Renfrewshire	200	113	0	39	28	7	13	0	60.4%
Edinburgh, City of	456	231	7	82	33	12	87	4	65.2%
Falkirk	152	90	4	26	18	3	11	0	66.7%
Fife	256	157	6	47	16	2	27	1	71.5%
Glasgow City	672	293	13	107	101	17	135	6	57.6%
Highland	160	91	2	28	8	4	26	1	69.9%
Inverclyde	208	106	4	32	27	7	32	0	62.5%
Mid Lothian	152	95	2	23	15	2	15	0	70.8%
Moray	136	82	0	14	10	3	25	2	75.2%
North Ayrshire	160	107	2	33	4	2	12	0	73.6%

<sup>3</sup> Response rate is calculated as the number of social interviews (with or without a surveyor appointment) as a proportion of eligibles.

<b>Outcome Codes</b>										
		110	210	410-450	310-340	512-561	710-793	612-651		
<b>UA</b>	<b>Set Sample (incl boost)</b>	<b>Full Interview</b>		<b>Refusal</b>	<b>Non- Contact</b>	<b>Other non- response</b>	<b>Ineligible</b>	<b>Unknown eligibility</b>	<b>Response Rate<sup>3</sup></b>	
		<b>with App't</b>	<b>No App't</b>							
North Lanarkshire	288	137	3	61	30	12	28	17	57.6%	
Orkney Islands	152	101	1	11	7	1	29	2	84.3%	
Perth & Kinross	160	101	7	20	9	2	21	0	77.7%	
Renfrewshire	208	103	4	47	25	10	18	1	56.6%	
Shetland Islands	144	96	1	21	3	1	21	1	79.5%	
South Ayrshire	160	92	1	25	15	4	22	1	67.9%	
South Lanarkshire	160	80	4	41	10	3	22	0	60.9%	
Stirling	184	104	2	37	14	3	22	2	66.3%	
West Lothian	160	95	3	29	19	1	13	0	66.7%	
Western Isles	128	102	0	6	2	1	17	0	91.9%	
<b>Total</b>	<b>6362</b>	<b>3575</b>	<b>104</b>	<b>1061</b>	<b>566</b>	<b>145</b>	<b>864</b>	<b>47</b>	<b>67.5%</b>	

## 6.4 Refusals and non-contacts

Information is collected by interviewers after unsuccessful attempts to obtain an interview, locate or identify a dwelling. This often sheds light on why respondents refuse to take part (the largest proportion of this group of eligibles) and may help in devising strategies to improve response in the future. An analysis of outright refusals, non-contacts, and circumstantial refusals is given below.

Table 6 analyses why all 1061 people refused to cooperate with the social survey; Table 7 analyses why interviewers were not able to make contact with the household; and Table 8 shows why a final group did not take part in the social survey.

**Table 6: Reasons for refusal to social survey**

Reason for refusal	n	%
Other	199	18.8%
Can't be bothered	159	15.0%
Genuinely too busy	150	14.1%
Too old/infirm	106	10.0%
Invasion of privacy	84	7.9%
Personal problems	79	7.4%
Doesn't believe in surveys	77	7.3%
Temporarily too busy	58	5.5%
Late contact - insufficient field time	20	1.9%
Anti-government	19	1.8%
Bad experience with previous surveys	16	1.5%
Disliked survey matter	13	1.2%
Refusal to HQ after interviewer's visit	13	1.2%
About to go away	12	1.1%
Concerns about confidentiality	11	1.0%
Put off by record keeping	1	0.1%
Nothing stated	44	4.1%
<b>All Refusing Households</b>	<b>1061</b>	<b>100.0%</b>

**Table 7: Reasons for non-contact**

Reason for non-contact	n	%
Other	234	41.3%
No information gathered	97	17.1%
Rarely at address	89	15.7%
Will not answer door	74	13.1%
Working shifts/odd hours	50	8.8%
Think address is empty but could not con	15	2.7%
Number unobtainable	3	0.5%
Telephone not answered	3	0.5%
No reply to answer phone message	1	0.2%
<b>All non-contacts</b>	<b>566</b>	<b>100.0%</b>

**Table 8: Other reason for non-response**

Other Reason	n	%
Away in hospital throughout field period	76	52%
Ill at home during survey period	38	26%
Physically or mentally unable incompetent	25	17%
Language difficulties	5	3%
Other	2	1%
<b>Total</b>	<b>146</b>	<b>100%</b>

### 6.5 Response to Physical Survey

Where a social survey interview was conducted, 86% actually went on to complete a full physical survey. This resulted in 3,147 paired cases for Year Three. Some of those who agreed to a physical survey at the time of interview subsequently did not permit the surveyor to carry out a full survey. Conversely, a small number of householders who originally did not want a full survey eventually agreed to have one. Table 9 shows the permutations of physical outcomes where a social interview was achieved.

Where households refused to take part in the social interview, ONS considered that it would be unethical to carry out a physical survey. Otherwise, dwelling descriptions were obtained. In addition, dwelling descriptions were obtained for vacant dwellings and second homes (ineligible for the social interview). Table 10 shows the overall number of full physical surveys and dwelling descriptions that were obtained. Table 11 provides a further breakdown by Unitary Authority and shows the success that surveyors had in obtaining full physical surveys.

**Table 9: Physical survey outcomes by completed social survey interview**

Type of Social Survey Interview	Physical Outcome	n	%
	Full	3146	88
	Dwelling description	388	11
	Non-survey	41	1
Agreed to Physical survey	Total	3575	100
	Full	1	1
	Dwelling description	101	97
	Non-survey	2	2
Refused Physical survey at time of interview	Total	104	100
All Social interviews	Total	3679	

**Table 10: Physical survey type by social survey response**

		Full Physical Survey	Dwelling description	Non-Survey	Total	%
Social Outcome	Hout	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	Surveyed
Co-operating (full and partial)	110-210	3147	489	43	3679	99
Non-Contacts	310-330	3	533	24	560	96
Vacants	730	1	369	10	380	97
Second Homes	750	0	78	5	83	94
Total		3151	1469	82	4702	98

**Table 11: Physical outcomes for Social interviews by unitary authority**

	Completed social survey interviews	Full physical surveys	Dwelling descriptions	Non-Surveys	Conversion Rate <sup>4</sup>
	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	%
Aberdeen City	89	83	5	1	93
Aberdeenshire	107	94	12	1	88
Angus	113	102	11	0	90
Argyll & Bute	101	83	15	3	82
Scottish Borders	85	77	7	1	91
Clackmannanshire	107	93	14	0	87
West Dunbartonshire	123	100	20	3	81
Dumfries & Galloway	99	93	5	1	94
Dundee	99	79	16	4	80
East Ayrshire	91	81	10	0	89
East Dunbartonshire	122	101	20	1	83
East Lothian	101	84	14	3	83
East Renfrewshire	113	101	12	0	89
Edinburgh City	238	202	36	0	85
Falkirk	94	89	5	0	95
Fife	163	128	35	0	79
Glasgow City	306	248	48	10	81
Highland	93	73	18	2	78
Inverclyde	110	94	16	0	85
Midlothian	97	84	12	1	87
Moray	82	71	10	1	87
North Ayrshire	109	87	21	1	80
North Lanarkshire	140	125	14	1	89
Orkney Islands	102	92	6	4	90
Perth & Kinross	108	88	18	2	81
Renfrewshire	107	86	21	0	80
Shetland Islands	97	85	12	0	88
South Ayrshire	93	82	11	0	88
South Lanarkshire	84	75	9	0	89
Stirling	106	95	11	0	90

<sup>4</sup> The conversion rate is defined as the number of full physical surveys obtained as a percentage of social survey interviews.

	Completed social survey interviews	Full physical surveys	Dwelling descriptions	Non- Surveys	Conversion Rate <sup>4</sup>
	<i>n</i>	<i>n</i>	<i>n</i>	<i>n</i>	%
West Lothian	98	86	12	0	88
Western Isles	102	86	13	3	84
Total	3679	3147	489	43	86

## 6.6 Performance against Targets: Year 3

The achieved response rate to social survey interviews was 67.5%, below the target of 70% for the entire year. The target of 60% minimum response to social survey interview in any UA was achieved in all UAs with the exception of the following:

- Aberdeen City (52.0%)
- Glasgow City (57.6%)
- North Lanarkshire (57.6%)
- Renfrewshire (56.6%)

In Year Three, 3,147 paired cases were achieved against an annual target of 3,000.

The overall conversion rate (percentage of cases with a social survey interview where a full physical survey has been completed) achieved was 86%, above the target of 83%. A conversion rate of 75% minimum in any UA was achieved in all authorities (*see Table 11*). The target for dwelling descriptions of vacant properties was 90%, and this was achieved (*see Table 10*).

## 6.7 Three-year physical response rate

The main physical survey targets were 3000 paired surveys in any one year (9000 over three years) and a minimum of 240 in any one UA over three years. As can be seen from Table 12, the target of 9000 paired surveys was comfortably exceeded. The target of 240 paired surveys was met in all but four UAs:

- Aberdeen City
- West Dunbartonshire
- Dundee City
- South Lanarkshire

Even then, the shortfall was small (by less than 4%).

A secondary physical survey target was to achieve a full physical survey in 83% of dwellings where a social interview was obtained. This target drops to 75% for any individual UA. Over three years, the overall target was just missed (82%), while the individual UA target was met.

**Table 12: Performance against three-year targets**

UAB Code	UA	Three-Year Sample	Social						Physical	
			Responding Households	Eligibles	Unknown Eligibility	Ineligibles	Total	Response Rate	Full Surveys	Conversion rate
			110,210	110-599	612-651	710-793		as % of eligibles		as % of responding households
1	Aberdeen City	562	269	456	3	103	562	59.0%	232	86%
2	Aberdeenshire	480	319	409	5	66	480	78.0%	276	87%
3	Angus	472	317	423	1	48	472	74.9%	279	88%
4	Argyle & Bute	480	307	385	8	87	480	79.7%	245	80%
5	Scottish Borders	480	285	415	1	64	480	68.7%	240	84%
6	Clackmannanshire	472	316	426	1	45	472	74.2%	253	80%
7	West Dunbartonshire	522	302	474	2	46	522	63.7%	237	78%
8	Dumfries & Galloway	504	323	448	4	52	504	72.1%	266	82%
9	Dundee City	496	292	426	1	69	496	68.5%	239	82%
10	East Ayrshire	456	290	403	4	49	456	72.0%	244	84%
11	East Dunbartonshire	522	320	487	1	34	522	65.7%	262	82%
12	East Lothian	504	322	449	3	52	504	71.7%	257	80%
13	East Renfrewshire	634	371	593	5	36	634	62.6%	303	82%
14	Edinburgh, City of	1320	702	1100	10	210	1320	63.8%	586	83%
15	Falkirk	457	284	423	2	32	457	67.1%	245	86%
16	Fife	776	498	673	1	102	776	74.0%	402	81%
17	Glasgow City	1936	933	1569	19	348	1936	59.5%	703	75%
18	Highland	480	302	397	2	81	480	76.1%	246	81%
19	Inverclyde	616	352	516	3	97	616	68.2%	298	85%
20	Mid Lothian	456	303	414	1	41	456	73.2%	262	86%
21	Moray	416	284	346	2	68	416	82.1%	243	86%
22	North Ayrshire	510	318	444	1	65	510	71.6%	247	78%
23	North Lanarkshire	860	492	756	18	86	860	65.1%	408	83%
24	Orkney Islands	464	320	379	2	83	464	84.4%	267	83%
25	Perth & Kinross	472	310	412	2	58	472	75.2%	253	82%

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		Social							Physical	
UAB Code	UA	Three-Year Sample	Responding Households	Eligibles	Unknown Eligibility	Ineligibles	Total	Response Rate	Full Surveys	Conversion rate
	Codes		110,210	110-599	612-651	710-793		as % of eligibles		as % of responding households
26	Renfrewshire	720	386	624	5	91	720	61.9%	313	81%
27	Shetland Islands	440	300	375	3	62	440	80.0%	247	82%
28	South Ayrshire	472	284	418	4	50	472	67.9%	244	86%
29	South Lanarkshire	472	271	414	2	56	472	65.5%	231	85%
30	Stirling	591	359	517	4	70	591	69.4%	300	84%
31	West Lothian	472	308	430	0	42	472	71.6%	260	84%
32	Western Isles	384	293	321	0	63	384	91.3%	242	83%
<b>Total</b>		18898	11332	16321	120	2456	18897	69.4%	9330	82%

## 6.8 Three-Year Social Interview Response rate

Because the sample for a single UA in any one year may be quite small, some analyses may only become feasible by aggregating results over three years. In this context, it is worthwhile examining response rates over this period.

The annual target for response to the social interview was 70%. Table 12 shows that this was just missed over the three-year period. A secondary target was a minimum response of 60% in any one UA. Over the three-year period, this target was met for all but two UAs (Aberdeen City and Glasgow City). Even then, the shortfall was very small. The response rate is important in considering bias. In relation to variance, the achieved sample size is important. The table shows that smallest number of responding households in any UA was 269.

## 6.9 Compliance with Surveyor Allocation Rules

### 6.9.1 Rule One

#### Target

Each surveyor must work in at least two UAs in each year of fieldwork and in at least three UAs over the three-year fieldwork period (with the exception of the Highlands and Islands).

#### Result

Of the 46 surveyors working on the SHCS in Year 3, 98% worked in four or more UAs. All surveyors worked in two or more Unitary Authorities (*see Table 13*).

**Table 13: Surveyors by no. UAs worked in**

No. UAs worked in	No. Surveyors	% of all surveyors
1	0	0
2	1	2
3	1	2
4	4	9
5	4	9
6	7	15
7	6	13
8	9	20
9	6	13
10	2	4
11	5	11
12	0	0
13	1	2
Total	46	100

Over the first three years of the CSHCS, all but two surveyors worked in at least three different UAs; most worked in considerably more. The two surveyors who didn't worked entirely in the Shetlands and the Orkneys (*see* Table 14).

**Table 14: Surveyors' working over 3 years**

Surveyor No.	UAs worked in	Worked in Year		
		1	2	3
1	11	Yes	Yes	Yes
2	12	Yes	Yes	Yes
3	10	Yes	Yes	Yes
4	10	Yes	No	No
5	10	Yes	Yes	Yes
6	13	Yes	Yes	Yes
7	11	Yes	Yes	Yes
8	10	Yes	Yes	Yes
9	11	Yes	Yes	Yes
10	8	Yes	Yes	Yes
11	14	Yes	Yes	Yes
12	9	Yes	Yes	Yes
13	10	Yes	Yes	Yes
14	18	Yes	Yes	Yes
15	11	Yes	Yes	Yes
16	9	Yes	Yes	No
17	15	Yes	Yes	Yes
18	14	Yes	Yes	Yes
19	13	Yes	Yes	Yes
20	7	Yes	No	No
21	7	Yes	Yes	Yes
22	8	Yes	Yes	Yes
23	6	Yes	Yes	Yes
24	7	Yes	Yes	Yes
25	13	Yes	Yes	Yes
26	11	Yes	Yes	Yes
27	8	Yes	Yes	Yes
28	8	Yes	Yes	Yes
29	12	Yes	Yes	Yes
30	0	No	No	No
31	5	Yes	Yes	Yes
32	7	Yes	Yes	Yes
33	9	Yes	Yes	Yes
34	7	Yes	Yes	Yes
35	8	Yes	Yes	No
36	7	Yes	Yes	Yes
37	12	Yes	Yes	Yes
38	10	Yes	Yes	Yes
39	8	Yes	Yes	Yes
40	7	Yes	Yes	Yes
41	9	Yes	Yes	Yes
42	14	Yes	Yes	Yes
43	11	Yes	Yes	Yes
44	13	Yes	Yes	Yes
45	11	Yes	Yes	Yes
46	5	Yes	Yes	Yes
47	11	Yes	Yes	Yes
48	2	Yes	Yes	No
49	3	Yes	Yes	Yes
50	2	Yes	Yes	Yes
51	8	No	Yes	Yes
52	5	No	Yes	No
53	10	No	Yes	Yes

6.9.2 Rule Two

**Target**

No surveyor should do more than 25% of the surveys issued in any UA in any one year, with the exception of the Highlands and the three island UAs, where no one surveyor should exceed 33% of all surveys.

**Result**

This rule was violated in 15 UAs, although by only a small amount in most cases. Table 15 below shows which surveyors exceeded the 25% limit, and Table 16 shows which surveyors exceeded the 33% limit.

**Table 15: Surveyors exceeding the 25% limit within a UA**

UA	Unitary/Local Authority	Surveyor No.	% of all surveys in the UA
1	Aberdeen City	32	28%
1	Aberdeen City	33	29%
1	Aberdeen City	40	28%
2	Aberdeenshire	32	29%
6	Clackmannanshire	38	26%
9	Dundee	37	28%
10	East Ayrshire	13	30%
13	East Renfrewshire	5	29%
14	Edinburgh City	23	27%
16	Fife	29	30%
16	Fife	39	31%
18	Highland	40	30%
21	Moray	31	35%
21	Moray	40	31%
23	North Lanarkshire	17	26%
29	South Lanarkshire	18	32%
29	South Lanarkshire	53	28%
31	West Lothian	27	29%

**Table 16: Surveyors exceeding the 33% limit within a UA**

UA	Unitary/Local Authority	Surveyor No.	% of all surveys in the UA
27	Shetland Islands	50	34%
32	Western Isles	46	36%

### 6.9.3 Rules three and four

Each surveyor's allocation should contain a mixture of dwelling types and a balance of urban/rural properties that approximate the profile of the area in which they are working in over each year of fieldwork.

While it is beyond the scope of this report to provide a detailed analysis of the type of housing contained within each UA, the tables below analyse the full surveys carried out by individual surveyors into dwelling types and area types. This was compared with "ideal" types predicted by the 2002 SHCS. The results indicated that there were no significant anomalies

**Table 17: Full physical surveys by surveyor and dwelling type**

Surveyor No.	Full Surveys <i>n</i>	1	2	3	4	5	7,9	Total
		House or bungalow - detached %	House or bungalow - semi-detached %	Terraced, end of terrace %	Flat or maisonette - purpose built %	Flat or maisonette - Part house Converted %	Some other kind of accommodation %	
1	50	18	24	14	40	0	4	100
2	97	19	24	22	34	0	2	100
3	61	20	23	20	34	2	2	100
5	69	22	23	19	35	1	0	100
6	59	12	19	17	46	3	3	100
7	60	17	22	33	23	2	3	100
8	56	23	18	29	29	2	0	100
9	103	15	25	17	39	4	0	100
10	32	16	28	22	25	3	6	100
11	75	15	23	23	40	0	0	100
12	56	20	29	30	20	2	0	100
13	81	23	36	26	15	0	0	100
14	108	35	27	21	16	1	0	100
15	85	16	29	29	24	1	0	100
17	74	16	27	27	26	1	3	100
18	74	19	19	24	36	1	0	100
19	60	13	15	23	45	2	2	100
21	56	11	9	25	55	0	0	100
22	59	27	15	29	27	2	0	100
23	97	27	19	16	35	3	0	100
24	42	29	21	21	21	7	0	100
25	73	15	18	22	36	4	5	100
26	57	32	21	26	16	4	2	100
27	101	25	24	26	20	5	1	100
28	77	27	18	29	23	3	0	100
29	76	26	20	21	32	1	0	100
31	45	47	22	24	7	0	0	100
32	96	28	23	27	21	1	0	100
33	86	29	35	20	13	3	0	100
34	68	24	21	31	24	1	0	100
36	52	35	29	12	23	2	0	100
37	64	14	23	23	33	6	0	100
38	95	24	26	29	18	0	2	100
39	67	27	21	24	25	3	0	100
40	88	41	40	9	10	0	0	100
41	68	41	16	21	22	0	0	100
42	48	25	31	17	23	2	2	100
43	71	54	20	18	7	0	1	100
44	36	39	14	17	28	3	0	100
45	86	20	28	26	23	1	2	100
46	54	46	30	15	9	0	0	100

Surveyor No.	Full Surveys n	1	2	3	4	5	7,9	Total
		House or bungalow - detached %	House or bungalow - semi-detached %	Terraced, end of terrace %	Flat or maisonette - purpose built %	Flat or maisonette - Part house Converted %	Some other kind of accommodation %	
47	71	39	24	15	18	1	1	100
49	57	63	28	7	2	0	0	100
50	44	68	16	11	5	0	0	100
51	26	4	19	35	35	0	8	100
53	87	7	23	26	43	1	0	100
All surveyors	3147	26	24	22	26	2	1	100

Table 18: Full physical surveys by Surveyor and area type

Surveyor no.	Full Surveys n	1	2	3	4	5	6	7	8	Total
		The four cities: Edinburgh/ Aberdeen/ Glasgow /Dundee %	Other urban areas %	Accessible small towns %	Remote small towns %	V. remote small towns %	Accessible rural %	Remote rural %	Very remote rural %	
1	50	74	18	2	0	0	6	0	0	100
2	97	66	22	3	0	0	9	0	0	100
3	61	67	23	3	0	0	7	0	0	100
5	69	72	10	13	0	0	4	0	0	100
6	59	80	0	3	0	0	15	2	0	100
7	60	52	42	3	0	0	3	0	0	100
8	56	41	21	18	0	0	20	0	0	100
9	103	66	20	8	0	0	6	0	0	100
10	32	16	69	3	0	0	13	0	0	100
11	75	32	51	3	1	0	12	1	0	100
12	56	0	52	21	7	0	7	13	0	100
13	81	2	60	19	0	0	14	0	5	100
14	108	12	25	1	1	21	7	1	31	100
15	85	9	55	13	6	0	7	9	0	100
17	74	51	8	24	0	0	15	1	0	100
18	74	61	27	3	3	0	4	3	0	100
19	60	40	50	3	0	0	7	0	0	100
21	56	59	13	13	2	0	13	2	0	100
22	59	27	24	3	17	0	15	14	0	100
23	97	57	16	14	1	0	9	2	0	100
24	42	33	26	14	2	0	19	5	0	100
25	73	38	36	10	1	0	14	1	0	100
26	57	25	49	14	0	0	12	0	0	100
27	101	28	35	11	2	0	21	3	1	100
28	77	13	62	5	1	0	18	0	0	100

Surveyor no.	Full Surveys <i>n</i>	1 The four cities: Edinburgh/ Aberdeen/ Glasgow /Dundee %	2 Other urban areas %	3 Accessible small towns %	4 Remote small towns %	5 V. remote small towns %	6 Accessible rural %	7 Remote rural %	8 Very remote rural %	Total %
29	76	16	47	21	0	0	16	0	0	100
31	45	16	4	27	0	0	47	7	0	100
32	96	34	16	7	1	0	23	5	14	100
33	86	37	19	10	3	12	15	2	1	100
34	68	16	43	16	0	0	19	4	1	100
36	52	23	67	0	0	0	10	0	0	100
37	64	42	25	13	0	0	19	2	0	100
38	95	15	35	23	0	0	22	5	0	100
39	67	4	49	12	1	0	24	9	0	100
40	88	20	15	19	3	0	24	10	8	100
41	68	0	10	15	0	19	13	3	40	100
42	48	21	31	8	10	0	8	2	19	100
43	71	1	7	3	13	21	6	6	44	100
44	36	0	56	6	0	0	11	0	28	100
45	86	7	60	15	0	7	9	1	0	100
46	54	0	0	0	7	63	4	9	17	100
47	71	17	24	14	0	0	34	1	10	100
49	57	0	11	2	0	25	0	0	63	100
50	44	0	0	0	0	25	0	0	75	100
51	26	65	19	4	0	0	12	0	0	100
53	87	56	32	9	0	0	2	0	0	100
All Surveyors	3147	31	30	10	2	4	13	3	7	100

#### 6.9.4 Rule 5

##### Target

Each surveyor should conduct no more than a maximum number of surveys over the course of a fieldwork year. The maximum number of surveys per surveyor was:

$$(1.5 \times \text{No. of Surveys}) / \text{Number of Surveyors per year.}$$

For Year Three, this equated to a maximum of 103 surveys per surveyor.

**Results**

Only one surveyor exceeded the maximum number of surveys -- and that by a small margin. The average number of full surveys per surveyor was 68. Detailed results are in given in Table 19 below.

**Table 19: Number of full surveys by surveyor**

Surveyor No.	Full Surveys	Surveyor No.	Full Surveys
14	108	3	61
9	103	7	60
27	101	19	60
2	97	6	59
23	97	22	59
32	96	26	57
38	95	49	57
40	88	8	56
53	87	12	56
33	86	21	56
45	86	46	54
15	85	36	52
13	81	1	50
28	77	42	48
29	76	31	45
11	75	50	44
17	74	24	42
18	74	44	36
25	73	10	32
43	71	51	26
47	71	<b>Total</b>	<b>3147</b>
5	69		
34	68		
41	68		
39	67		
37	64		

## 7 Delivery of Social Interview Data

### 7.1 Social Survey Edit Program

An edit application for the CSHCS was programmed by ONS using Manipula<sup>5</sup>. Manipula is part of the Blaise suite of survey software that allows customised extraction and reformatting of collected interview data. The edit application has a front-end that allows cases to be edited on an individual basis, thus reducing potential editor error. Photographs of the property taken by the surveyors were also available with the interview data to assist in interpreting difficult cases. The main focus of the edit application was to check cases for errors, inconsistencies and outliers. All soft checks included in the questionnaire program were included as checks in the edit program; additional checks were specified by Communities Scotland. All 'Other' responses were flagged up, so that back-coding to one of the response categories could take place, insofar as possible. A complete list of validation checks can be found in Appendix 12.8.

### 7.2 Edit Process

Social survey data was received each quarter from interviewers and was divided into batches of 100 cases (roughly amounting to 10 batches per quarter). A batch of data was then run through the edit program and a list of errors/checks, the "validation report", was produced. This was then converted into a spreadsheet, which the editors used as the basis for their work. Justifications for both editing and not-editing the data were made on the spreadsheet, along with a list of variables that had been checked (see example in Appendix 12.6). Editing decisions were recorded in the spreadsheet and were quality-assured by another member of the ONS research team.

Both the unedited and edited data were then run through a set of SPSS<sup>6</sup> syntax files in order to rename certain variables, add variable and value labels, and convert multi-coded variables to dichotomous variables. As the questions on the social survey questionnaire usually ended in a numeric character, the variable names produced from the Blaise data differed from the way they originally appeared in the questionnaire. By running the data through the syntax files, the variable names were recreated according to specifications provided by Communities Scotland.

For each batch, three data-files were created:

- unedited numeric data
- edited numeric data

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<sup>5</sup> For more information on Manipula and Blaise see [www.cbs.nl/en/](http://www.cbs.nl/en/).

<sup>6</sup> Statistical Package for the Social Sciences. For further information see [www.SPSS.com](http://www.SPSS.com).

- edited open-ended data

These, together with the spreadsheet, were delivered by ONS to Communities Scotland.

### **7.3 *Accepting and Rejecting Data***

Communities Scotland ran its own checks on the delivered data files. All edit changes on the edited numeric data were checked for consistency and accuracy. Batches of data could be rejected for any of the following reasons:

- The information in the case led to the conclusion that data should have been amended, but had not been.
- An edit change cited had not been made.
- A change had/ had not been made that was inconsistent with other batches.
- Variable labels were misleading or missing.

Ten per cent of the open-ended data were checked at random to ensure consistency of back-coding.

Communities Scotland then sent a memo to ONS acknowledging rejection or acceptance of each batch of data. Any rejected data were re-edited by ONS and sent back to Communities Scotland for further checking. Once all data batches from a quarter had been accepted, ONS combined the batches to create a full quarterly dataset. This was then delivered to Communities Scotland.

## 8 The Physical Survey Edit and Validation Process

The process of editing the physical data on the CSHCS can be broken down into three stages: return of survey forms, keying-in forms and validation. Each of these stages is described below.

### 8.1 Return of forms and outcomes

Once the physical survey had taken place, surveyors coded the survey form and sent it for checking and validation to the MMBL office in Edinburgh.

MMBL booked in forms electronically, and validators checked each page to ensure that all pages had been completed and that each box had a value (where applicable).

The booking-in process involved entering the case number for each form onto the CSHCS physical survey database. Editors also booked in the floppy disks, which contained four images of the surveyed property (front, back and two area pictures).

**Figure 3: Booking in Forms**

The screenshot shows a software window titled 'SHC Forms' with a sub-header 'Edinburgh'. Below this is a 'Casenumber' input field. There are two buttons: 'Book-In Disks' and 'Submit'. A status box at the bottom indicates 'Now Booking-In : FORMS' and 'Ready To Enter FORM' in red text.

**Figure 4: Booking in photographs**

The screenshot shows a software window titled 'SHC Forms' with a sub-header 'Edinburgh'. Below this is a 'Casenumber' input field. There are two buttons: 'Book-In Forms' and 'Submit'. A status box at the bottom indicates 'Now Booking-In : DISKS' and 'Insert Picture Disk' in red text.

### 8.2 Physical survey types

In Year One (2003/4) of the CSHCS there were three types of physical survey:

- a full physical survey
- an external survey
- a dwelling description only.

From Year Two, it was agreed to drop the external survey, which covered external items in more detail than the dwelling description.

The extent of the physical survey is dependent on the outcome of the social survey (full, partial, non-contact, refusal or ineligible) and agreement of the respondent to an interior physical survey. Where there was a social survey, there could be either a full physical survey or a dwelling description. Where there was no social survey, properties could have a dwelling description, but not in if householders had refused to take part in the social survey. The full set of rules governing which properties were sent to MMBL for physical surveys is given Appendix 12.5, but these can be summarised as follows:

- Full Physical: social outcome = 110-210 (full or partial) (this will constitute a 'paired case')
- Dwelling description where a social interview has taken place, but the surveyor is unable to obtain a full survey; non-contacts; vacants; second homes
- A paired case is one where there is both a social interview and a full physical survey

Once the social interview was concluded, ONS asked whether the household would be willing to take part in the physical survey. This determined the final outcome code. The questionnaire was then transmitted to ONS-HQ, and the relevant details were immediately routed to the secure MMBL website.

### **8.3 Keying of physical survey forms**

Each physical survey form was keyed into a database using a Blaise CADI<sup>7</sup> program. The system allows an editor to enter data for forms that have already been booked-in. This is achieved by selecting a serial number and then opting to key in a new form (see Figure 5). If the form has already been entered or if the form has not been booked-in, a warning is issued. This ensures that forms are not entered twice. If a form needs to be checked after it has been entered, or if the input was not completed, the editor can access it by selecting 'edit existing case'.

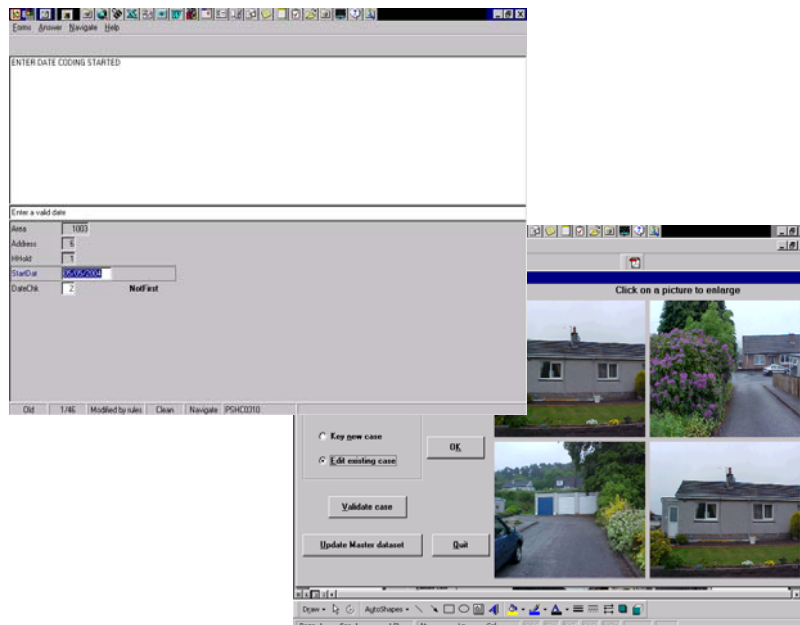
---

<sup>7</sup> Computer-Assisted Data Entry

**Figure 5: Entering new physical data**

Once a case is edited, an electronic Blaise object exists for it. In CADI, routing to each question is based on answers to previous questions. For the CSHCS, while data entry takes place, the editor can still look at corresponding photographs of the property to verify details.

**Figure 6: Edit screens**



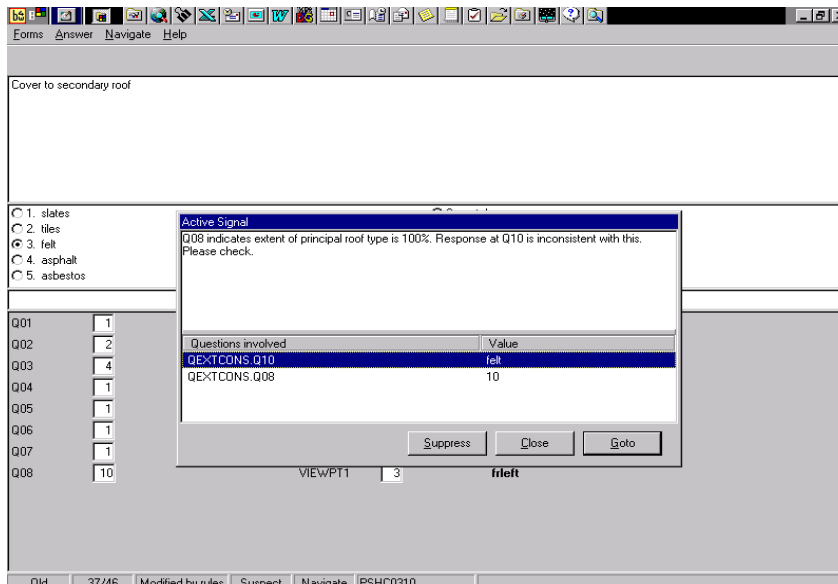
The survey form for the CSHCS consisted of a number of separate sections, which are detailed in Table 20.

**Table 20: Physical survey form topics**

Section	Title of section	Section contents
A	Contact information	Date and time of each call made and call outcome
B	Type of survey	
D	Dwelling description	Type of accommodation, entry level, date of construction etc.
E	Characteristics of the Common Block	Flats, conversions, number of dwellings in common block
F	Room by room record	Location of and use of each room
G	Room repairs	Comprehensive assessment of state of repair of each room
H	Types of defect/condition	Features of the room - access, lighting, ventilation etc
I	Repairs to the whole dwelling	Overall assessment
J	Rooms/Floors summary	
K	Amenities	Specific information on bathroom, WC and kitchen
L	Services and fittings	Power supply, water supply etc.
M	Heating and insulation	Primary/secondary, appliances, fuel, repairs, insulation
N	Dwelling measurements	
O	Characteristics of common elements	Communal areas, stairs, lifts, entry system etc
P	Repairs to common elements	
Q	External construction/materials	Wall exposure, thickness, roof type, window type
R	External repairs	Roof, chimney, flashings, gutters etc
S	External features	Surface drainage, fences, walls, paths, steps
T	Tolerable standard - statutory declaration	Essential components of 'Below Tolerable Standards' assessment

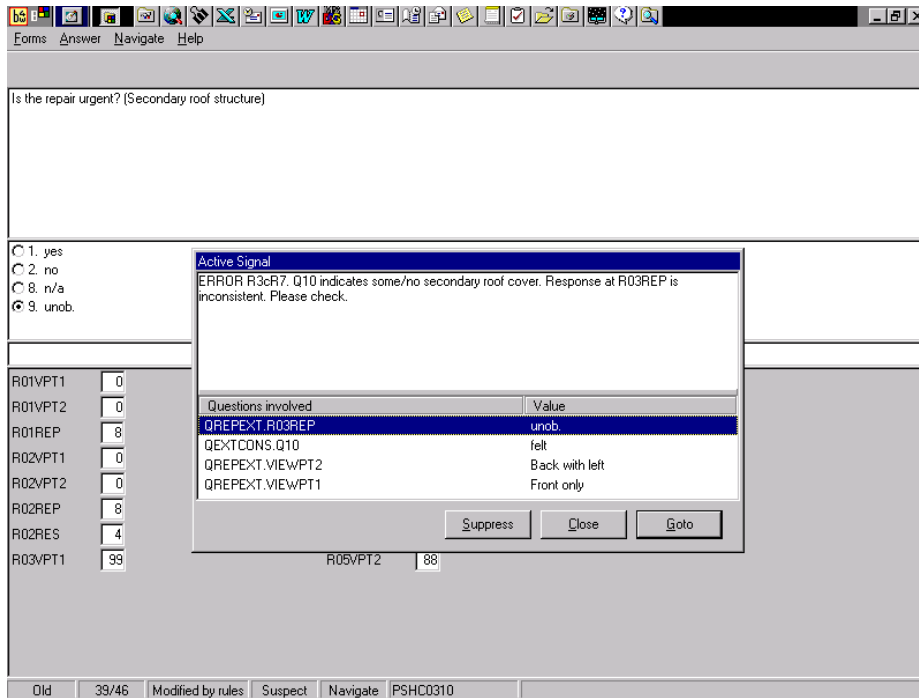
The program has a number of data input rules to ensure the accuracy and validity of each item of data entered. Rules cross-reference different parts of the survey form, (e.g. if the dwelling is a house, then aspects of common dwelling section should not be completed; if the house is a flat, then details for common parts should be present).

**Figure 7: Example data entry error (1)**



As data input progresses, anomalies are flagged to the editor, who can check the information and, if necessary, refer back to the surveyor or leave as a query for Communities Scotland to resolve.

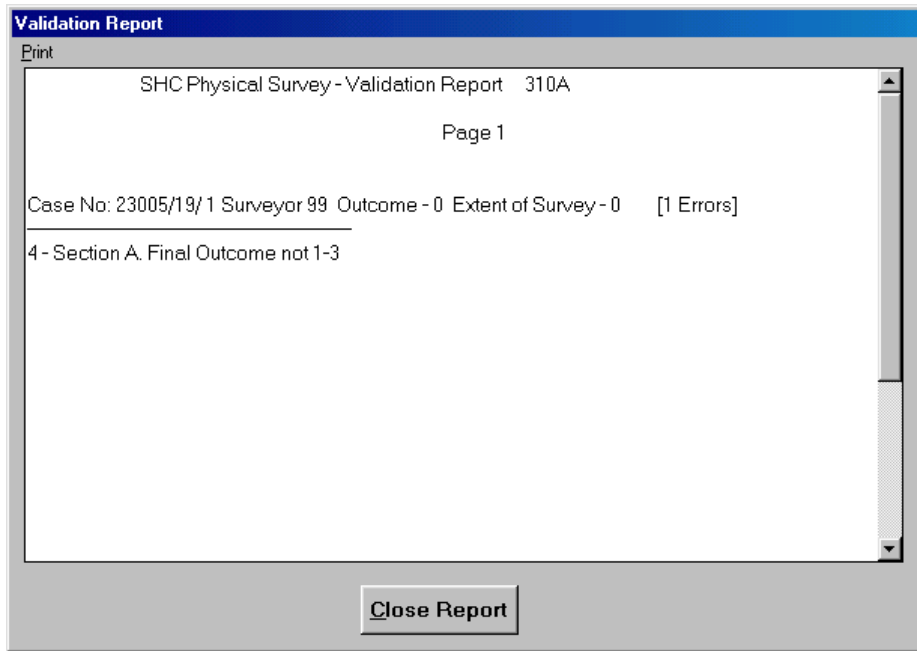
**Figure 8: Example data entry error (2)**



#### 8.4 Validation

Once the survey form was fully keyed in and any potential errors resolved or noted, the data was revalidated. The validation program was usually updated at the beginning of each quarter to account for any changes needed. The revalidation function identified any earlier checks which were not dealt. A number of final checks are also undertaken to ensure that the data was high quality, logical and consistent. The validation produced a “validation report” for each case which was printed; all entries were re-checked. A copy of such a report appears below.

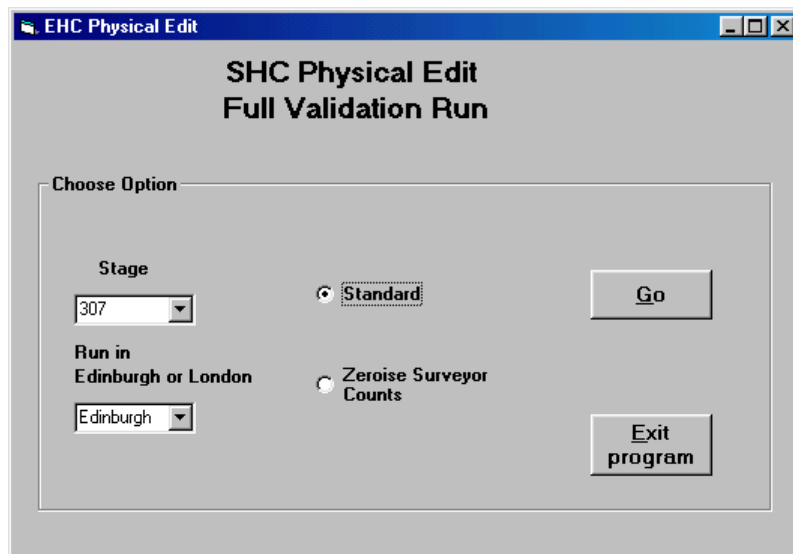
**Figure 9: Physical validation report**



Once the form was clean (or where any entries were accepted by Communities Scotland) the electronic form was saved to a master data file.

Delivery of physical survey data to Communities Scotland took place quarterly. In preparation for delivery, a final set of validation reports was produced on data for the whole quarter. These listed all forms keyed and any unresolved discrepancies. This full validation run produced a summary of any remaining errors which were then dealt with by further editing, followed by individual validation and full validation. Over the course of the year, ongoing refinements were made to the checks and error statements to ensure that they were as accurate as possible and trapped only those cases where the data input or form were incorrect.

**Figure 10: Physical edit validation screen**



Once a clean set of full validation reports was produced, the data were zipped up and transmitted to London, where the information was translated from Blaise into SPSS for delivery. In Years 1 and 2, data was reformatted into a set of 80-column data, containing a set of 12 SPSS data-files (Card1.SAV to Card12.SAV). After trials using a data dictionary and standard SPSS SAV files, the Scottish Executive agreed to dispense with reformatting and accept standard SPSS files.

## 9 Weighting

### 9.1 Introduction

This chapter describes the derivation of the weights for analysis of the social and physical survey data. The process for deriving these weights follows that used in Year One, in order to ensure consistency in the results across years.

### 9.2 Weighting for Years 2 and 3

In Year Two the following four stages<sup>8</sup> in the survey process were identified as suitable stages for producing weights for the SHCS.

- Sampling from the Postcode Address File (PAF.)
- Contact made at the sampled address.
- Co-operation with the social survey.
- Co-operation with the full physical survey.

The characteristics of households and dwellings who co-operated at the social interview stage and at the physical survey stage might differ from those who did not take part. By taking these characteristics into account, we can derive weights which aim to compensate for this differential non-response.

This same scheme was followed in Year 3.

Table 21 details the number of cases available at each stage of the weighting process, beginning with set sample size. First, eligible cases are identified, then the number of households contacted, the number of those providing a social interview, and finally the number providing both a social interview and full survey (paired cases) are given. The weights applied to each stage are discussed below.

**Table 21: Number of cases at each stage**

	Yes	No	Total	% of previous stage	% of eligible
<b>All Cases</b>	6362		6362	100	
<b>Eligible</b>	5451	911	6362	86	100
<b>Contacted</b>	4885	566	5451	90	90

<sup>8</sup> During the development of the first year weighting, an extra initial step was considered to take account of the relationship between the address and the dwelling. In fact the Multi-Occupancy (MO) indicator and associated procedures used in the sampling process was found to have coped with this and the weighting step was not applied.

<b>Social Response</b>	367	120	4885	75	67
	9	6			
<b>Paired Response</b>	314	532	3679	86	58
	7				

### 9.3 Sample Design Weights

The sample design stage deals with differing sampling probabilities. In Year One, this was done on annual basis, as the size of the drawn sample did not vary from quarter to quarter. For Years Two and Three, it was important to take quarter into account, as there was considerable variation in sample size within Unitary Authority (UA). The set sample of 6362 cases (including 130 cases from a boost sample) for Year Three was used at this stage.

Sample Design weights were calculated by Unitary Authority and Quarter as follows:

$$\text{Design Weight} = \frac{1}{4} \times \frac{MO}{No.SampledAddresses} \quad (\text{For a given UA and quarter})$$

Here MO is an estimate of the number of households within a UA. Most of the addresses, or Multiple Output Delivery Points, on the PAF contain a single household. Some, however, are identified by Royal Mail as containing more than one household and are, therefore, given a Multiple Output Indicator equal to the number of households at the delivery point. This MO count is used in producing the sample and is used here to create the sample design weights.

**Table 22: Design Weights: Sample**

	<i>n</i>	Range	Minimum	Maximum	Sum	Mean	Std. Deviation
Design Weights: Sample	6362	802.3	63.2	865	2427476	381.6	172.3

Because the sample of addresses is drawn from Royal Mail’s list of addresses for delivery, not all of the addresses in the drawn sample turn out to be eligible for the survey: some may be demolished, used as commercial premises, or holiday homes. The survey identifies households which are eligible for inclusion by the final outcome code, HOUT, in the social data. All cases with Hout equal to 110, 210, 310, 320, 330, 410, 431, 432, 440, 450, 512, 522, 532, 542, 550 and 561 were deemed to be eligible. The total number of eligible cases was 5451. When weighted by the Design Weight, this serves as an estimate of eligible dwellings in Scotland (2,068,873). All subsequent weights must then sum to this figure.

**Table 23: Design Weights: Eligibles**

	<i>n</i>	Range	Minimum	Maximum	Sum	Mean	Std. Deviation
Design Weights: eligibles	5451	802.3	63.2	865.5	2068873	379.5	172.5

### 9.4 Social Non- Contact Weights

We considered the possibility of bias in contacts with sampled households and used the AnswerTree® software<sup>9</sup> (Exhaustive method) to identify potential factors. We used UA, ACORN<sup>10</sup>, and Urban/rural Indicator as possible factors. A contact variable was defined to be **1** if the household was contacted and **0** otherwise. This method built a tree describing the variation in response, with the following variables used to define the nodes at each level:

- First level: UA
- Second level<sup>11</sup>: ACORN

A Non-contact weight was calculated as follows (For each weighting class):

- Contact Propensity = Mean of Contact Variable (For a given group)
- Contact Factor = 1/ Contact Propensity (For a given group)
- SNCWt = Design Weight \* Contact Factor. (For a given group)

The application of Contact Factors to Design Weights saw the range of weights increase from 802 to 1151.

**Table 24: Social Non Contact Weights**

	<i>n</i>	Range	Minimum	Maximum	Sum	Mean	Std. Deviation
Contact Factor	4885	0.4	1.0	1.4	5437	1.1	0.1
Social Non Contact Weight	4885	1151.1	63.2	1214.3	2068873	423.5	198.2

### 9.5 Social Non- Response Weights

All *contacted* cases were used at this stage. Contacted cases were identified by the final out come code, ‘HOUT’, in the social data. All cases with HOUT equal to 110, 210, 410, 431, 432, 440, 450, 512, 522, 532, 542, 550 and 561 were treated as contacted (see Section 12.5). The total number of contacted cases was 4885.

We considered the possibility of bias between contact and willingness to take part in the survey and used AnswerTree® again to identify relevant factors. We used UA, Urban/rural Indicator, Survey Month and ACORN code as possible factors. A response variable was defined to be **1** if the household provided a social interview and **0** otherwise. The Exhaustive Chaid method identified the following significant factors at each level in the tree:

<sup>9</sup> AnswerTree is from SPSS, see <http://www.spss.com/answertree> for details.

<sup>10</sup> See <http://www.caci.co.uk/acorn> for details

<sup>11</sup> Note that not all the first-level nodes were split on this second variable.

- First level: UA
- Second level<sup>11</sup>: Acorn

These factors were used in the construction of Social non-response weights. A Social non-response weight was calculated as follow (For each weighting class).

- Response Propensity = Mean of Response Variable (For a given group)
- Response Factor = 1/ Response Propensity (For a given group)
- SNRWt = SNCWt \* Response Factor. (For a given group)

The application of Social Response Factors to Non-contact Weights saw the range of weights increase from 1151 to 2028.

**Table 25: Social Non Response Weights**

	<i>n</i>	Range	Minimum	Maximum	Sum	Mean	Std. Deviation
Social Response Factor	3679	0.9	1.1	1.9	4885	1.3	0.2
Social Non-Response Weight	3679	2027.7	70.6	2098.3	2068873	562.3	299.5

## 9.6 Physical Survey Paired Weights

All *social responding* cases were used at this stage. Social Response cases were identified by the final out come code ‘HOUT’ in the social data. All cases with HOUT equal to 110 and 210 were paired with full physical survey to arrive at the final number of paired cases.

Factors were again identified using Answer Tree to compensate for response bias between the social and physical stage. This time, a number of variables which identify the dwelling structure and different characteristics about the respondents were available from social data and were used as candidate variables: UA, UrbanInd, DVILO3a (employment status of respondent), survey month, ACORN, RTypeHH (Household type), PropTyp (Dwelling type). A physical response variable was defined to be **1** if there was a paired social and physical survey and **0** otherwise. The Exhaustive Chaid method identified:

- First level: UA
- Second level: DVILO3A (Employment status)
- Third level: Acorn
- Fourth level: PropTyp (Dwelling type)

A Paired Non-Response weight was calculated as follow (For each weighting class):

- Physical Response Propensity = Mean of Physical Response Variable. (For a given group)
- Physical Response Factor = 1/ Physical Response Propensity. (For a given group)
- PhyNRWt = SNRWt \* Response Factor. (For a given group)

The application of Paired Response Factors to Social Response Weights saw the range of weights increase from 2028 to 2152.

**Table 26: Physical Paired Weight Statistics**

	<i>n</i>	Range	Minimum	Maximum	Sum	Mean	Std. Deviation
Paired Response Factor	3147	0.5	1.0	1.5	3683	1.2	0.1
Paired Response Weight	3147	2151.8	73.3	2225.1	2068873	657.4	357.2

### 9.7 Calibration to known dwelling totals

There are known dwelling counts available for each UA. The counts for September 2006 are given in Table 27. These are counts of chargeable dwellings, taken from the valuation list; they should appropriately exclude vacant and some second homes.

**Table 27: Dwellings on the valuation list**

Area	Dwellings	Area	Dwellings
Scotland	2,314,654	Inverclyde	37,567
Aberdeen City	100,117	Midlothian	33,254
Aberdeenshire	101,671	Moray	38,197
Angus	51,032	North Ayrshire	63,413
Argyll & Bute	43,896	North Lanarkshire	141,980
Clackmannanshire	22,171	Orkney Islands	9,410
Dumfries & Galloway	68,615	Perth & Kinross	64,510
Dundee City	64,391	Renfrewshire	78,128
East Ayrshire	53,261	Scottish Borders	51,996
East Dunbartonshire	42,882	Shetland Islands	9,857
East Lothian	41,229	South Ayrshire	51,452
East Renfrewshire	35,918	South Lanarkshire	134,966
Edinburgh, City of	208,620	Stirling	36,598
Eilean Siar	13,028	West Dunbartonshire	42,938
Falkirk	67,570	West Lothian	70,539
Fife	159,270		
Glasgow City	273,908		
Highland	102,270		

Source: As reported by Local Authorities on statistical return CTAXBASE 2006.

These known totals were used to adjust, or calibrate, the social survey (SNRWt) and Physical Survey (PhyNRWt) weights so that the final social survey and physical weights each added to the known total for each UA.

For the social survey, this calibration reduces to multiplying each weight by the ratio of the known total to the sum of the social survey weight, SNRWt, within the UA.

For the physical survey weights, this adjustment was accompanied by an adjustment to correct for a deficit of newly built properties. The date of construction for a dwelling is captured in the variable, D13. The latest category for this is “post-1982”. We ran the above calibration adjustment to UA totals and, using the resulting weights, created an estimate of the total dwellings in Scotland built after 1982. However, because of the time lag between the preparation of the PAF file, from which the sample was drawn, and the reference date September 2006, we expect this estimate to be too low. This is because there were buildings in occupation in September 2006 that were not complete and available for sampling when the PAF was constructed; these dwellings would have had a zero chance of selection. Because newer dwellings tend to be in better condition, this risks introducing a bias in our estimates.

In fact, using figures on numbers of newly built properties<sup>12</sup>, we would expect the true total of new-builds to be closer to our initial estimate plus the number of dwellings built in the year before the reference date (assuming that virtually all of these will remain standing at the reference date). We therefore re-ran the calibration adjustment for the physical file weights using both the UA totals and the augmented total of newly built dwellings. This increases the weights for newer dwellings in order to compensate for the under-coverage of the newest dwellings, whilst retaining the weighted distribution of dwellings by UA.

### **9.8 Combined weights for Years 1-3**

To produce multiple year weights for Years 1-3, we added the final weight files for each year and divided the result by three to obtain the combined weight. Estimates from the combined file are then equal to the average of the estimates from individual years.

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<sup>12</sup> A new build adjustment was taken from table 6 of the SE Statistical Bulletin Housing Series of May 2007. Averaging the total builds for 2005 and 2006 we get: 2005 24,930; 2006: 24,581; Mid-2005 to Mid 2006 estimate: 24,756. After calibrating to UA dwelling totals, the estimate for post-1982 dwellings from the physical file was 444,162. Adding the above gives a post-1982 control total of 468,918, which was used for the second phase in this weighting.

## 10 Imputation

As long as mandatory questions (generally demographic) are answered, cases are deemed to be acceptable even if the respondent is unable to answer certain questions. This can result in valid cases with some missing data. Where required, it may be possible to impute answers using a variety of methodologies.

For Year Three of the CSHCS (as for Years One and Two), the Scottish Executive asked ONS to impute income and some housing cost data. The variables chosen were all related to income (e.g. earnings and benefits) and housing cost (mortgage cost/rent). The intended purpose was to categorise households by income for other analyses. Table 28 identifies the items considered for imputation and their corresponding flag (impflag). Where a flag has a value of **1**, the corresponding variable has been imputed; otherwise the flag has a no value.

Imputation was carried out by ONS using Canceis<sup>13</sup>. This tool uses a nearest-neighbour, minimum-change donor methodology. This methodology requires a sufficient number of donor cases and a restricted range of variability in responses in order to be valid. Where these conditions were not met, imputation could not be carried out. Therefore, for certain variables there may still be a remnant of “Don’t Knows”.

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<sup>13</sup> (Canadian Census Edit and Imputation System), produced by Statistics Canada.

## 11 Household Income Variables and Calculations

### 11.1 Introduction

Household income variables are calculated in a suite of programs that look at several aspects of income. These are divided into the following:

- Earned income from the respondent
- Earned income from the respondent's partner (if there is one)
- Welfare and housing benefits
- Other regular income

Household income SPSS syntax files were run only after imputation had been carried out.

### 11.2 Respondent's Earnings

Respondents, if they work, may have up to two sources of income. These are income from a main job and income from a second job. The first job may be in employment or self-employment. The following variables are created in SPSS.

Respondent	
RespEmp	Flag: Respondent is employed
Resp2ndJb	Flag: Respondent has a second job
RespSE	Flag: Respondent is self-employed
NetPay	Net Pay
NTSecJob	Net pay from second job
SEProfit	Profit from self-employment
SEProfPA	Annualised profit from self-employment
ToTax	Tax from Self-employment
TotNI	NI contribution from self-employment
SEPrNet	After-tax profit from self-employment
HIHEarn	Respondent's income from employment

### 11.3 Partner's Earnings

Partners of respondents, if there is a partner and if they work, may have up to two sources of income. These are income from a main job and income from a second job. The first job may be in employment or self-employment. The following variables are created in SPSS:

Partner	
HasPartner	Flag: There is a partner
PartEmp	Flag: Partner is employed
Part2ndJb	Flag: Partner has a second job
PartSE	Flag: Partner is self-employed
SPNetPay	Net Pay
SPNT2Jb	Net pay from second job
SPSEProf	Profit from self-employment
SPSEPrPA	Annualised profit from self-employment
SPTotTax	Tax from Self-employment
SPTotNI	NI contribution from self-employment
SPSEPrNet	After-tax profit from self-employment
SPEarn	Partner's income from employment

### 11.4 **Benefits**

Over 30 benefits, tax credits, allowances, and state entitlements are recorded. These are referred to as State Benefits. Housing benefits are recorded separately. The amount of benefits is recorded per household and not per individual. The following variables are created in SPSS:

Benefits	
DV_RCV_SomeBen	Flag: Receives at least one state benefit
DV_RCV_HBen_Flag	Flag: Household receives housing benefit
DV_RCV_HBenORWelBen_Flag	Flag: Receives Housing benefit and/or state benefits
BenTot	Total state benefits received
HBenTot	Housing benefit received
Allben	Total State and housing benefits

### 11.5 **Other Income**

Up to 10 sources of other income are recorded. These include:

- Occupational pension
- Annuity
- Maintenance
- Rental income
- Dig Money
- Accident scheme benefits
- Investment Income
- Student Loan
- Student Grant
- Other regular income

The income from all of these was aggregated via SPSS syntax to produce the following variable:

Other Income	
OthReg	Other regular Income

### 11.6 **Combining all income sources**

The ultimate objective in calculating the income variables above is to arrive at a total household income. Several variables were, in fact calculated as intermediate stages of the final calculation, but the following represent final household income:

Final Income Calculations	
HNetEarn	Total income from employment (respondent & spouse)
HNetInc	Total income from earnings, benefits, and other sources

Because of the limitations of the imputation process, some cases remain with missing income information. In order to maximize the number of useable cases (i.e. cases for which there was a household income), household income would be set to “missing” only in the following circumstances

- Any earnings data was missing
- If the benefit section was not answered at all
- If the “Other income” section was refused or not answered at all

Otherwise, missing values were tolerated.

In the end, approximately 12% of all households in Year 3 had missing household income values. Further analyses by UA, Household Type, Dwelling type, and NSSEC of respondent are given in Appendix 12.16.



## 12 Appendices

### 12.1 List of Abbreviations

BTS	Below Tolerable Standard
CAI	Computer Assisted Interview
CADI	Computer Assisted Data Input
CAPI	Computer Assisted Personal Interview
CMS	Case Management System
CSHCS	Continuous Scottish House Condition Survey
HRP	Household Reference Person
MMBL	Miller Mitchell Burley Lane
MODP	Multiple Output Delivery Points
ONS	Office for National Statistics
PAF	Postcode Address File
SHCS	Scottish House Condition Survey
SIU	Sampling Implementation Unit
UA	Unitary Authority
Year One	the first year of the Continuous Scottish House Condition Survey, from October 2003 to September 2004
Year Two	the second year of the Continuous Scottish House Condition Survey from October 2004 to September 2005
Year Three	the third year of the Continuous Scottish House Condition Survey from October 2005 to September 2006

## 12.2 Advance Letter

Date as Postmark

Dear Resident(s)

I am writing to ask for your help with the **Scottish House Condition Survey**. This study is about Scotland's housing and neighbourhoods. It helps influence the Scottish Executive's policies and investment for communities across the whole of Scotland.

The Office for National Statistics is the government department responsible for collecting information and publishing statistics on almost all aspects of life in the UK. We will be carrying out the survey with Miller Mitchell Burley Lane (a building surveying company) for Communities Scotland, the Scottish Executive's housing and regeneration agency.

Your address has been selected from the Royal Mail's list of addresses. Your participation in this study is very important to us in ensuring that all groups in the community are properly represented.

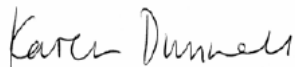
One of our interviewers will call at your address in the next few weeks in order to introduce themselves and answer any questions that you may have. If you are busy when they call round, the interviewer will be happy to arrange a more convenient time to visit. All interviewers carry an official identification card that includes their photograph and that National Statistics logo that appears on this letter.

If you have any further queries, please call our Freephone Survey Enquiry Line on **0800 298 5313**, **Monday - Thursday 9am to 9pm, Friday 9am to 8pm and Saturday 9 am to 1pm.**

I have enclosed a book of postage stamps as a thank you for helping National Statistics in this work.

**Thank you in advance for your help.**

Yours sincerely



**Karen Dunnell**  
National Statistician

### 12.3 Purpose Leaflet

**Scottish House Condition Survey**

ONS is the government department which gathers and publishes a range of statistics about the economy and the society in which we live. ONS carries out many important surveys throughout Great Britain, providing information on the cost of living, health, housing, and many other matters of public interest.  
[www.statistics.gov.uk](http://www.statistics.gov.uk)

Miller Mitchell Barriey Lane will be conducting the visual inspection of the property.  
[www.mmlb.co.uk](http://www.mmlb.co.uk)

The Scottish House Condition Survey is undertaken by Communities Scotland on behalf of Ministers. Its purpose is to collect information on the changing condition of housing in Scotland and the characteristics of the households living in different types of housing.  
[www.communities.scotland.gov.uk](http://www.communities.scotland.gov.uk)

**If you have any further queries please call ONS on 0800 083 8388 or email [SHCS@ons.gov.uk](mailto:SHCS@ons.gov.uk).**



**WHAT IS THE SCOTTISH HOUSE CONDITION SURVEY?**



The information collected by the Scottish House Condition Survey is the only source of information on the condition and energy efficiency of Scotland's homes. The survey builds a picture of all types of housing, whether owner-occupied or owned by local authorities, housing associations or private landlords.

**WHO CARRIES OUT THE SURVEY?**

The survey is carried out by the Office for National Statistics (ONS) and Miller Mitchell Burley Lane (MMBL) on behalf of the Scottish Executive's housing and regeneration agency, Communities Scotland. There are two parts to the survey. First, an ONS interviewer conducts an interview with you. Interviewers work flexible hours and can call at a time convenient to you. A few days later, a professionally qualified surveyor, from MMBL, will visit you to assess the condition and energy efficiency of your home.



**WHY ARE YOU CHOOSING MY HOME?**



We want to ensure that all types of housing across Scotland are represented. To visit every home in Scotland, however, would take too long and cost too much, so we have selected a number of addresses in urban, rural and island locations for interviewers to visit. These were chosen at random from the Post Office list of addresses, and once chosen, cannot be replaced with another. This way we can be sure we talk to a cross-section of people and view as wide a range of properties as possible.

This is also why it is so important that each household contacted takes part in the survey whether they own or rent their homes, and whatever their circumstances. Even if you have only recently moved in or are planning to move in the near future, the information you give us is necessary to ensure we have a proper mix of households and properties.

**SHOULD I LET MY LANDLORD KNOW I AM TAKING PART?**

There is no reason to inform your landlord of your participation unless you want to.

**HOW IS THE SURVEY USED?**

The interview will include questions on your home and neighbourhood, work recently done on your home, and background information about your household. The Scottish Executive, Scottish Ministers and local authorities use this information to:



- measure whether housing conditions are getting better or worse for everyone, areas most affected by poor housing, how satisfied people are with where they live;
- monitor whether what is being done to improve standards in both public and private housing is working;
- target resources to where they are most needed.

**WHAT WILL THE SURVEY OR DO?**



Our surveyors usually take 30-40 minutes to assess the design, condition and energy efficiency of your home. Much of this time is spent surveying the outside, but they will ask to see all the rooms inside. The survey is a visual one and will include taking pictures of the front and back of your home. It will not disrupt your home in anyway.

**IS THE SURVEY CONFIDENTIAL?**

Yes. The information you provide is treated with the strictest confidence by the Office for National Statistics (ONS), as directed by the National Statistics Code of Practice. It is used to produce anonymous statistics for decision-making in government and genuine research purposes only.

In addition to staff in ONS, other staff of the Government Statistical Service, Universities and research organisations may apply for access to detailed but anonymous data from the survey. When approved these staff sign an agreement to abide by the same code of practice and its confidentiality clauses. No information which could identify you or your household will be passed to other civil servants or local authorities, commercial organisations or the press.



## 12.4 Dwelling/Household Selection Form



2005/06 SCOTTISH  
HOUSE  
CONDITION SURVEY  
Dwelling/Household  
SELECTION FORM

SERIAL
STICKER
LABEL

Interviewer Number					
-----------------------	--	--	--	--	--

### DWELLING/HOUSEHOLD SELECTION FORM

COMPLETE Q1 & Q2; BEFORE MAKING CONTACT

**PROPERTY TYPE**

Q1. Code property type of printed address:

Detached house	1
Semi-detached house	2
Terraced house	3
Tenement flat	4
4-in-a-block flat	5
Tower block/slab flat	6
Conversion flat	7
Other (WRITE IN & CODE '8')	8
Not applicable	9

**FLOORS**

Q2. How many floors does the building containing the address have?  
(ESTIMATE IF UNKNOWN) - (EXCLUDING BASEMENTS)

less than six	1
six or more	2

**NUMBER OF DWELLINGS**

**Dwelling:** A dwelling is a unit of accommodation (normally a house or flat) where all the rooms and amenities (ie kitchen, bath/shower room and WC) are for the exclusive use of the household(s) occupying them. Amenities may be located outside the front door but provided they are for the exclusive use of the occupants the accommodation is still a dwelling.

Q3. Does the sample address consist of...

a single dwelling	1	GO TO Q6
part of a dwelling	2	GO TO Q4
more than one dwelling	3	
dwelling(s) with non-residential unit(s)	4	GO TO Q5
Don't know/Refused	5	GO TO Q6

**NUMBER OF PAF LISTED ADDRESSES AT THE DWELLING**

Q4. Contact SIU and record the number of PAF listed addresses at the dwelling.

	GO TO Q6
--	----------

**NUMBER OF DWELLINGS AT THE ADDRESS**

Q5. Please **estimate** the number of **dwelling**s at the sampled address.

	GO TO KISH GRID (below)
--	-------------------------

**NOW SELECT ONE DWELLING FOR INTERVIEW USING THE KISH GRID BELOW.**

**IF MORE THAN 9 HOUSES/FLATS AT ADDRESS CALL OFFICE FOR INSTRUCTIONS.**

SELECT NUMBER USING GRID

PLEASE RING	NUMBER OF DWELLINGS AT ADDRESS								
	1	2	3	4	5	6	7	8	9
0	1	1	2	1	3	6	5	4	7
1	1	2	3	4	1	1	6	5	9
2	1	1	1	3	4	3	3	1	4
3	1	2	2	1	5	4	7	6	8
4	1	1	3	2	2	5	2	3	6
5	1	2	1	4	3	2	1	7	2
6	1	1	2	3	1	6	4	2	1
7	1	2	3	1	4	1	5	8	3
8	1	1	1	2	5	3	6	4	5
9	1	2	2	4	2	4	3	5	7

**NOW GO TO QUESTION 6**

Q6. Is the dwelling selected for interview.....

Occupied and contacted	1	} GO TO Q7
Vacant/derelict	2	
Occupied and not contacted	3	} END
Could not identify dwelling status	4	
Don't know/Refused	5	

**INTERVIEW SCREENING**

**Household:** A household is defined as one person living alone or a group of people, who may or may not be related, living at the same address who share at least one living or sitting room and/or have a regular arrangement to share at least one meal a day.

Q7 How many households in total are at the dwelling?

..... Now go to Q8

**Q8 SELECTION OF PRIMARY HOUSEHOLD**

**Primary household:** The primary household is defined as the household that has the main responsibility for the dwelling. The mortgage or lease is in their name, they have the responsibility for paying rent to the landlord; this household is also responsible for repairs and maintenance. The primary household contains the Household Reference Person (HRP).

**Single Dwelling**

If there is only **one primary household** at the dwelling/dwelling selected at Q5 go to Q9. If the dwelling/dwelling selected at Q5 contains **more than one primary household**, record the number of primary households in the box below.

**Part of a Dwelling**

If sample address is part of a dwelling (code 2 at Q3) and there is only **one primary household** at the address go to Q9. If the sample address contains **more than one primary household** then record the number of primary households in the box below.

**NOW SELECT HOUSEHOLD FOR INTERVIEW FROM THE KISH GRID BELOW.**

SELECT NUMBER USING GRID

PLEASE RING	NUMBER OF PRIMARY HOUSEHOLDS AT ADDRESS								
	1	2	3	4	5	6	7	8	9
0	1	1	2	1	3	6	5	4	7
1	1	2	3	4	1	1	6	5	9
LAST	2	1	1	3	4	3	3	1	4
DIGIT	3	1	2	2	1	5	4	7	6
OF	4	1	1	3	2	2	5	2	3
SERIAL	5	1	2	1	4	3	2	1	7
NUMBER	6	1	1	2	3	1	6	4	2
	7	1	2	3	1	4	1	5	8
	8	1	1	1	2	5	3	6	4
	9	1	2	2	4	2	4	3	5

**NOW GO TO QUESTION 9**

**ANY OTHER HOMES**

Q9. Can I check, which of these applies to **your household** and this home. Do you have ...

<b>this home only</b>	1	<b>GO TO QUESTION 12</b>
or more than one home? (include second homes and those on holiday here)	2	GO TO Q10
Refused/don't know	3	<b>END</b>

**MAIN/SECOND/HOLIDAY HOME**

Q10. Can I just check, is this your, or your household's, main home, your second home, or are you only here on holiday? IF HOLIDAY ASK: Are you staying with the people who own or permanently rent this property?

main home	1	<b>GO TO QUESTION 12</b>
second home	2	<b>END</b>
on holiday here – owners/renters not resident	3	GO TO Q11
on holiday here – staying with owners/renters	4	

**HOLIDAY HOMES**

Q11. Is this the **main home** of the household who owns/permanently rents it?

Yes	1	ARRANGE TO CALL BACK WHEN THEY MAY BE AVAILABLE
No	2	<b>END</b>
Don't know	3	

**LENGTH OF RESIDENCE**

Q12. Can I just check how long have you and/or your spouse/partner lived here?

If ALL householders (and their spouse/partners) have lived at the property for 3 months or less then code 1 below.

If any householder (or spouse/partner) has lived at property for more than 3 months then code 2 below.

3 months or less	1	<b>END</b>
Over 3 months	2	<b>START MAIN INTERVIEW</b>

Q13. **PLEASE NOTE ANY INFORMATION THAT MAY HELP THE SURVEYOR IDENTIFY AND CONTACT THE RESPONDENT**

## 12.5 List of Outcome codes

Group	Hout	Outcome description	Transmission to MMBL	Physical Survey Code
1 Full	110	Complete Interview by required respondents / selected person	1 Yes	1 Full
2 Partial	210	Partial interview by required respondent	1 Yes	2 Dwelling Description
5 Non-Contact	310	No contact with anyone at address	2 Deferred	2 Dwelling Description
5 Non-Contact	320	Contact made at address, but not with any member of the sampled dwelling / household	2 Deferred	2 Dwelling Description
5 Non-Contact	330	Contact made at sampled dwelling / household, but not with any responsible resident	2 Deferred	2 Dwelling Description
5 Non-Contact	340	Contact made at sampled dwelling / household, but not with selected person	2 Deferred	2 Dwelling Description
3 HQ Ref	410	HQ Refusal	0 No	
4 Other Ref	421	Information refused about number of dwellings at address	0 No	
4 Other Ref	422	Information refused that would allow identification of required respondents within dwelling	0 No	
4 Other Ref	431	Refusal by required respondent / selected person	0 No	
4 Other Ref	432	Refusal by proxy	0 No	
4 Other Ref	433	Refusal of access to site	0 No	
4 Other Ref	440	Refusal during interview	0 No	
6 Other Non-Response	450	Broken Appointment, no re-contact	2 Deferred	2 Dwelling Description
6 Other Non-Response	511	Ill at home during survey period, notified by HQ	1 Yes	2 Dwelling Description
6 Other Non-Response	512	Ill at home during survey period, notified to interviewer	1 Yes	2 Dwelling Description
6 Other Non-Response	521	Away/In hospital throughout field period, notified by HQ	1 Yes	2 Dwelling Description
6 Other Non-Response	522	Away/In hospital throughout field period, notified to interviewer	1 Yes	2 Dwelling Description
6 Other Non-Response	531	Physically or mentally unable / incompetent, notified by HQ	1 Yes	2 Dwelling Description
6 Other Non-Response	532	Physically or mentally unable / incompetent, notified to interviewer	1 Yes	2 Dwelling Description
6 Other Non-Response	541	Language difficulties, notified by HQ	1 Yes	2 Dwelling Description
6 Other Non-Response	542	Language difficulties, notified to interviewer	1 Yes	2 Dwelling Description
6 Other Non-Response	550	Lost Interview	1 Yes	2 Dwelling Description
6 Other Non-Response	561	Full interview achieved but respondent requested data be deleted	1 Yes	2 Dwelling Description
6 Other Non-Response	562	Partial interview achieved but respondent requested data to be deleted	1 Yes	2 Dwelling Description
12 Unknown Eligibility: Dw Desc	612	Issued but not attempted	2 Deferred	2 Dwelling Description
11 Unknown Eligibility: No Dw Desc	620	Inaccessible	0 No	
11 Unknown Eligibility: No Dw Desc	630	Unable to locate address	0 No	
12 Unknown Eligibility: Dw Desc	651	Information refused about whether there are eligible residents	2 Deferred	2 Dwelling Description
9 Other Ineligible: No DwDesc	710	Not yet built / under construction	0 No	
9 Other Ineligible: No DwDesc	720	Demolished / derelict	0 No	
7 Vacant	730	Vacant / empty	1 Yes	2 Dwelling Description
9 Other Ineligible: No	740	Non-residential address	0 No	

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	Group	Hout	Outcome description	Transmission to MMBL		Physical Survey Code	
	DwDesc						
8	2nd Home	750	Address occupied, but no resident household / resident	1	Yes	2	Dwelling Description
9	Other Ineligible: No DwDesc	760	Communal establishment / institution	0	No		
10	Other Ineligible: Dw Desc	771	Dwelling of foreign service personnel / diplomat	1	Yes		
10	Other Ineligible: Dw Desc	772	No householder resident for more than 3 months	1	Yes		
9	Other Ineligible: No DwDesc	780	Address out of sample/ address no longer exists	0	No		
12	Unknown Eligibility: Dw Desc	783	Household squatting	1	Yes	2	Dwelling Description
9	Other Ineligible: No DwDesc	792	Deceased	1	Yes	2	Dwelling Description
12	Unknown Eligibility: Dw Desc	793	Inappropriate to interview	1	Yes	2	Dwelling Description

### 12.6 Validation Mastersheet Year 3

Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
1	DHC8	This man is over 65 & should be retired.	Aged 70. Works full-time 35 hours pw. Receives both retirement pension and occupational pension. Amend DIN35 to retired but working.	DVAge2, DHC8b, DIN35, DIN38, DIN56, Ben1_4, DB7d, DB16_1, DB17a	DIN35=1 to DIN35=2
2	DHC8	This woman is over 60 & should be retired.	Aged 68. Looking after the home/family and not working. Receives retirement pension. Amend DHC8b to Permanently retired from work.	DVAge2, DHC8b, DIN35, Ben1_4, DB7d	DHC8b=4 to DHC8b=5
2	DHC8	This woman is over 60 & should be retired.	Aged 62. Working full-time 35 hours pw. Receives retirement pension. Amend DIN35 to retired but working.	DVAge2, DHC8b, DIN35, DIN38, DIN56, DB7d	DIN35=1 to DIN35=2
3	DHC8	This man is under 65 & should not be retired.	Aged 63. Retired from paid work. Receives DLA mobility and Incapacity benefit. Does not receive occupational pension. Amend DHC8b to Permanently sick or disabled.	DVAge2, DHC8b, DisBen_2, Ben2_4, DB16_1	DHC8b=5 to DHC8b=11
3	DHC8	This man is under 65 & should not be retired.	Aged 60. Retired from paid work. Receives occupational pension.	DVAge, DHC8a, DIN1, DB16_1, DB17a	No change.
4	DHC8	This woman is under 60 & should not be retired.	Aged 56. Retired from paid work. No further information.	DVAge2, DHC8b, DIN35	No change.
4	DHC8	This woman is under 60 & should not be retired.	Aged 57. Retired from paid work. Receives occupational pension.	DVAge, DHC8a, DIN1, DB16_1, DB17a	No change.
5	DHC8	This man is over 65 & should not be unemployed.	Aged 67. Unemployed and seeking work. Receives retirement pension. Amend DHC8b to retired from paid work	DVAge2, DHC8b, BAm5, BPd5	DHC8b = 6 to DHC8b = 5
6	DHC8	This woman is over 60 & should not be unemployed	Aged 62. Unemployed and seeking work. Receives occupational pension. Amend DHC8a to retired from paid work	DVAge, DHC8a, DB17a	DHC8a = 6 to DHC8a = 5
7	DHC8	This man is over 65 & should not be self employed.	Aged 69. Self-employed. Receives retirement pension. Amend DIN1 to retired but working.	DVAge, DHC8a, Ben1_4, DB7d, DIN1	DIN1=1 to DIN1=2
8	DHC8	This woman is over 60 & should not be self employed.	Aged 62. Works full-time 35 hours pw. Receives retirement pension. Amend DIN35 to retired but working.	DVAge2, DHC8b, DIN35, DIN38, DIN56, Ben1_4, DB7d	DIN35=1 to DIN35=2
9	DHC8	This man is younger than 18 & should not be in higher education.	Aged 17 in higher education/ university. No further information.	DVAge3, DHC8c	No change.
11	DHC8	This person is younger than 16 & should not be in further ed.	Aged 15 in further education. Amend DHC8c to at school	DVAge3, DHC8c	DHC8c = 8 to DHC8c = 7
13	DHC8 :	This person is older than 18 & should not be in further ed.	Aged 19 in further education/college. No further information.	DVAge3, DHC8c	No change.
15	DHC8	This person is over 18 & should not be in school.	Aged 19 in at school. Amend to in further education	DVAge2, DHC8b	DHC8b = 7 to DHC8b = 8

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
17	DHC8	This person is under 4 & should not be in school.	Aged 3. At school. Amend to at pre-school	DVAge5, DHC8e	DHC8e =7 to DHC8e = 13
19	DHC8	This child is over 5 & should not be in pre-school.	Child aged 6, in pre-school. Interviewer note: Remote island. No further information.	DVAge2, DHC8b	No change
20	DHC8	This man is younger than 16 & should not be self employed.	Aged 15. Works as self employed. Interviewer note: on training scheme. Amend to	DVAge3, DHC8c	DHC8c = 1 to DHC8c = 10
21	DHC8	This woman is younger than 16 & should not be self employed.	Aged 15. Works as self employed. Interviewer note: works part-time in café but at school. Amend DHC8c to at school	DVAge3, DHC8c	DHC8c = 1 to DHC8c = 7
22	DHC8	This man is younger than 16 & should not be in FT employment.	Aged 15. Works full-time. No further information	DVAge2, DHC8b	No change
23	DHC8	This woman is younger than 16 & should not be in FT employment.	Aged 15. Works full-time. No further information	DVAge1, DHC8a	No change
24	DHC8	This man is younger than 16 & should not be in PT employment.	Aged 15. Works part-time. No further information	DVAge2, DHC8b	No change
25	DHC8	This woman is younger than 16 & should not be in PT employment.	Aged 13. Works part-time. No further information	DVAge2, DHC8b	No change
26	DHC8	This man is under 16 & should not be unemployed/ seeking work.	Aged 15. Unemployed and seeking work. No further information	DVAge3, DHC8c	No change
27	DHC8	This woman is younger than 16 & should not be unemployed/ seeking work.	Aged 15. Unemployed and seeking work. No further information	DVAge3, DHC8c	No change
28	DHC8	This man is under 16 & should not be unable to work due to illness or injury.	Aged 15. Unable to work due to illness or injury. Has mobility/ other physical impairment. Amend to permanently sick/disabled. No further information	DVAge3, DHC8c, DC2_4c	DHC8c = 12 to DHC8c = 11
29	DHC8	This woman is under 16 & should not be unable to work due to illness or injury.	Aged 15. Unable to work due to illness or injury. Interviewer note: has pt job and at school. Amend to at school	DVAge3, DHC8c	DHC8c = 12 to DHC8c = 7
30	MarStat	Only one adult in household. Cannot be married and living with spouse.	One adult in household. Amend to married and separated from husband/wife.	MarStat	MarStat=2 to MarStat=3
31	MarStat	Odd number of married partners. Check MarStat and LiveWith.	One adult in household. Amend to married and separated from husband/wife.	MarStat	MarStat=2 to MarStat=3
40	TAskRel9	A parent is usually 15+ years older than their child.	--	--	--
41	TAskRel10	A step-parent is usually older than their step-child.	--	--	--
42	TAskRel11	A parent-in-law is usually older than their child-in-law.	--	--	--

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
47	TAskRel	A grand-parent is usually 30+ years older than their grand-child.	Person 2 (aged 38) coded as 'other relative' to Person 1 (aged 46) and 4 (aged 14), and as grand-child of Person 3 (aged 88). Interviewer note at DRH4 says niece pays towards rent. Person 2: niece of Person 1, grand-child of Person 3 and cousin of Person 4.	DVAge, DVAge2, DVAge3, DVAge4, R11, R22, R32	No change.
49	TAskRel18	This person is coded as cohabiting: but is under 16.	Coded as cohabiting with respondent. Household receives child benefit and working tax credit. Amend to show person 2 as son/daughter to person 1	--	--
50	TAskRel21	Person is a spouse: both partners are not married within the house.	--	--	--
51	TAskRel22	This person is coded as married: but is under 16.	Coded as married to respondent. Household receives child benefit and working tax credit. Amend to show person 2 as son/daughter to person 1	--	--
59	KeyHH	Key Householder is less than 16 years of age.	2 person household. Ages 42 and 16 permantly sick/disabled and in full-time employment. Interviewer note:son inherited house and working, mum disabled.	--	--
60	HRPPart	HRP is coded as married and living with spouse, but then coded as having no partner.	One adult in household. Amend to married and separated from husband/wife.	MarStat	MarStat=2 to MarStat=3
61	Keyhhpt	Information in the household grid suggests the key householder does not have a spouse/partner.	--	--	--
62	KeyHHpt	Information in the household grid suggests the key householder does have a spouse/partner.	One adult in household. Amend to married and separated from husband/wife.	MarStat	MarStat=2 to MarStat=3
63	KeyHHpt	The number you have entered is not a valid member of the household.	--	--	--
64	KeyHHpt	Person identified as key householders partner is not coded as married or cohabiting in household grid.	--	--	--
65	KeyHHpt	Person identified as key householders partner is less than 16 years old.	--	--	--
71	RFrom	Recorded as Married but no spouse in relationship grid.	One adult in household. Amend to married and separated from husband/wife.	MarStat	MarStat=2 to MarStat=3
72	DHC12	More than one household at this dwelling recorded: but then said that no one else lives in home. Inconsistent. Check.	--	--	--

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
73	DHC13	You cannot code none and any other response.	--	--	--
74	DHC14	Number of people in home is equal to or less than the number of people in household but there are others living there.	Number of people in home is 3 (respondent, partner and daughter). No rooms shared, total number of people living in home still 3. Amend DHC12 to no-one else living in home.	R11, R21, R22, DHC12, DHC13, DHC14	DHC12=1 to DHC12=2
78	AccOth	Accommodation is a caravan. Check for eligibility and possibly replace case.	Caravan. No further information. Interview terminated.	HseType	No change
79	DT13	Cannot be rent-free if landlord is local council or housing association. Amend.	Recorded as living rent-free but rents from local council. Interviewer Note: Income Support rent is £50 pcm but does not pay. Amend to renting.	DT13, DT21, DRH2a	DT13=3 to DT13=2, DT21x=3, DRH2a=2 to DRH2a=1, DRH2=50, DRH3=5, DRH4=1, DRH5=1, DRH6a=2, DRH8=5, DRH9=3, HBen=1, AmtHB=50, PerHB=5
79	DT13 :	Cannot be rent-free if landlord is local council or housing association. Amend.	Recorded as living rent-free but rents from local council. Pays £0 rent as receives 100% Housing benefit. Amend to renting, who rent is paid to, unknown.	DT13, DT21, xRent, HBenOth, Rebate	DT13=3 to DT13=2, DT21x=3
80	DT13	If respondent has mortgage please code as Own.	Part of co-ownership scheme. No mortgage recorded. Rents from Housing Association.	DT13, DT21	No change.
81	DT13	If respondent doesn't pay rent please code as Own.	Lives rent free. Interviewer note: shares with sister who pays rent but out of country 8 months of year so rent free for respondent	DT13, DT21	No change.
86	DT37 :	Recorded that property bought from the local council but NOT that property previously owned by Council.	Bought from Housing Association. House was previously owned by local council.	DT35, DT37	No change.
87	DT37	Recorded that property bought from the local council but NOT that property previously owned by Council.	Bought from Housing Association. House was previously owned by local council.	DT35, DT37	No change.
88	DT39Y	Respondent started renting this property before they were 16 years old.	Household first rented property in 1967 but respondent born in 1958. Interviewer note: carried on tenancy from parents	DT15, DT39_2, DVAge	No change.
89	DT39Y	Respondent started owning this property before they were 16 years old.	Household first owned property in 1966 but respondent (owner) born in 1957. Respondent owns the farm with another person outside the household.	DT15, DT39_2, DVAge	No change.
94	DT51 :	These codes only apply to those living in flats.	Coded as noise coming through floor/ceiling from flats above. Live in 2 bedroom semi-detached house. Amend DT51 to Noise coming through shared walls.	DT51_2, DH1_6, HseType, DT51_1	DT51_2 = 0, DT51_1 = 1

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
103	DT60	Coded never lived anywhere else but DT39y suggests otherwise.	Interviewer note: Inherited from family.	DT35, DT39_2, DT60, DOH2	No change
104	DT61d :	Sufficient postcode information was previously entered. Full or Sufficient postcode given expected.	Sufficient postcode information entered and then full address coded. Postcode given is partial address. Amend to show insufficient postcode details, address unknown, partial address	DT61a, DT61b, DT61c, DT61d	DT61b=1 to DT61b=2, DT61c=DK, DT61d=3 to DT61d=4
105	DT61d :	Insufficient postcode information was previously entered. Full or Sufficient postcode given expected.	--	--	--
106	DT61d	Insufficient postcode information was previously entered.	--	--	--
113	DPF4	Detached house and already live in it is coded but does not match type of house coded earlier.	Lives in semi-detached house. Preferred house type is detached then say that they already live in it. Amend DF4 to Don't know.	DF1, DF4, Hse Type,	DF4=7 to DF4=DK
114	DPF4	Preferred accomodation is semidetached house and already live in it but does not match any type of house coded earlier.	Lives in detached house. Preferred house type is semi-detached then say that they already live in it. Amend DF4 to Don't know.	DF1, DF4, HseType,	DF4=7 to DF4=DK
116	DPF4	Preferred accomodation is bungalow house and already live in it but does not match any type of house coded earlier.	Lives in flat in converted house Preferred house type is bungalow then say that they already live in it. Amend DF4 to Don't know.	DF1, DF4, FltTyp,	DF4=7 to DF4=DK
121	DPF9	At least one person under the age of 16 is moving out.	Children aged 17 and 13 years want to move out.	DVAge3, DVAge4	No change.
121	DPF9	At least one person under the age of 16 is moving out.	Daughter lives with parents and has 2 children aged 7 and 4. All three want to move out.	DF9b_3a, DF9b_4a, DF9b_5a, DVAge3, DVAge4, DVAge5	No change.
122	DPF9	At least one person under the age of 16 is moving out.	Daughter lives with parents and has 2 children aged 7 and 4. All three want to move out.	DF9b_3a, DF9b_4a, DF9b_5a, DVAge3, DVAge4, DVAge5	No change.
200	DR2	Entryphone generally applies to flats.	--	--	--
203	DR19	Range check. Total annual spend on repairs was less than 50.	£40 spent and no jobs done. Responsible for everything. Property in average condition. No jobs need doing.	DR19, DR2_35, DR17_5, DR23, DR20	No change.
203	DR19	Range check. Total annual spend on repairs was less than 50.	Nothing spent and no jobs done. Responsible for inside flat and gardens. Property in average condition. Rendering needs replacing.	DR19, DR2_35, DR17_1, DR17_3, DR23, DR20b_28	No change.
204	DR19	Range check. Total annual spend on repairs was greater than 8,000.	£20,300. Spent £20,000 building conservatory/porch and £300 painting windows. Work done by contractor.	DR19, DR5xa, DR9xa, DR5xn, DR9xn	No change.
205	DR3a	Some repair costs grouped together. Manual range check on figures required.	£46,000 spent on building conservatory/porch, refitting kitchen, refurbishing bathroom and replacing central heating. Work done by contractor. Within required range of £3,300 and £46,100.	DR3b_1, DR3b_3, DR3b_4, DR3b_21, DR5a, DR9a	No change.

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
206	DR19	Total spent on repairs is less than the individual cost of repairs minus any grants received.	£5,500. Spent £5,500 replacing drives/paths, £900 rewiring dwelling, £100 replastering wall/ceiling, £350 replacing windows with double-glazed, £4,000 installing central heating system and £100 installing loft insulation. Repairs total £10,950. Amend to £10,950.	DR19, DR5xh, DR9xh, DR5xi, DR9xi, DR5xk, DR9xk, DR5xp, DR9xp, DR5xs, DR5xs, DR5xw, DR9xw	DR19=5,500 to DR19=10,950
250	DR5	Range check. Repair below lower range.	£500 for work to foundations/ structural work. Work done by contractor.	DR5xf, DR9xf	No change.
300	DR5	Range check. Repair above higher range.	£40,000 for installing gas fires. Work done by contractor. Amend to £4,000.	DR5xt, DR9xt	DR5xt=40,000 to DR5xt=4,000
350	DR7	Grant exceeds cost of repair.	Grant = £7,000. Spent £1,000 replacing central heating. Work done by contractor. Interviewer note: included in a grant from OIPDL - Orkney Islands Property Development Ltd - also given help to purchase house - cannot break down amount. Amend grant to £1,000.	DR5xu, DR9xu, DR7xu	DR7xu=7,000 to DR7xu=1,000
353	DHT1	No kitchen at this address.	Interviewer note: flat is actually a bedsit with living/bedroom incorporating kitchen as well.	DH1_2, DH1_3	No change.
354	DHT1	No bathroom at this address.	Interviewer note: wetroom in corner of room - is a studio flat	DH1_2,	No change.
355	DHT1	No bedroom at this address.	Interviewer note: No bedroom - bed in living room.	DH1_3, DH1_5	No change.
356	DHT1	No main bedroom but another bedroom.	Interviewer note: main bedroom used as storage. Amend to show main bedroom as well as 2nd and 3rd	DH1_5, DH1_6, DH1_7	DH1_5= 0 to DH1_5 = 1
357	DHT1	3rd bedroom: but no 2nd bedroom.	Main bedroom and 3rd bedroom. Amend to show 2nd bedroom	DH1_5, DH1_6, DH1_7	DH1_5=0 to DH1_6 = 1
358	DHT1	Public room but no main living room.	Interviewer note: public room is main living room. Amend to show main living room and no public room	DH1_8, DH1_3	DH1_8 = 1 to DH1_8 = 0, DH1_3 = 0 to DH1_3 = 1
359	DHT5	Electricity not selected as fuel type.	Has solid fuel and gas. Uses open grate fire. Some difficulty heating home.	DH6xd, DH7xd, DH8xd, DH6xb, DH7xb, DH8xb, DH2, DH14	No change.
360	DHT5	More than 4 types of fuel are used for lighting/ heating/ power.	Has electricity, gas, solid fuel, heating oil and paraffin. Uses central heating with radiators. No difficulty heating home.	DH6xa, DH7xa, DH8xa, DH6xb, DH7xb, DH8xb, DH6xc, DH7xc, DH8xc, DH6xg, DH7xg, DH8xg,	No change.
361	DHT5a	One fuel at DHT5 so should have selected Only one type of fuel at DHT5a.	Has electricity only. Has selected that some fuels are paid together. Amend to only one type of fuel selected.	DH5_1, DH5a_1	DH5_5a = 1 to DH5a =3
362	DHT14	No central heating at DHT14; but central heating at DHT5a.	Interviewer note at DH14:	--	--
370	DHT5b	There should be more than one fuel bill in a single group,	--	--	--

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
371	DHT6b	Less than 10 entered.	Electricity & gas: £5 pw = £260 pa by pre-payment meter/powercard. 2 bedroom semi-detached bungalow. Uses central heating with radiators. No difficulty heating home.	DH6a, DH7a, DH8a, DH1_6, HseType, DH2 DH14	No change.
371	DHT6b	Less than 10 entered.	Electricity & gas: £1 pa. Interviewer note: zero cost here as cost in with the rent. Amend to Don't Know.	DH6a, DH7a, DH8a, DH1_6, HseType, DH2, DH14	DH6a=1 to DH6a=5
371	DHT6b	Less than 10 entered.	Electricity & gas: £5 pw = £260 pa by pre-payment meter/powercard. 2 bedroom semi-detached bungalow. Uses central heating with radiators. No difficulty heating home.	DH6a, DH7a, DH8a, DH1_6, HseType, DH2 DH14	No change.
372	DHT6b	Less than 10 entered.	Electricity & gas: £5 pw = £260 pa by pre-payment meter/powercard. 2 bedroom semi-detached bungalow. Uses central heating with radiators. No difficulty heating home.	DH6a, DH7a, DH8a, DH1_6, HseType, DH2 DH14	No change.
373	DHT6b	Less than 10 entered.	Electricity & gas: £5 pw = £260 pa by pre-payment meter/powercard. 2 bedroom semi-detached bungalow. Uses central heating with radiators. No difficulty heating home.	DH6a, DH7a, DH8a, DH1_6, HseType, DH2 DH14	No change.
374	DHT6b	Less than 10 entered.	Electricity & gas: £5 pw = £260 pa by pre-payment meter/powercard. 2 bedroom semi-detached bungalow. Uses central heating with radiators. No difficulty heating home.	DH6a, DH7a, DH8a, DH1_6, HseType, DH2 DH14	No change.
375	DHT6b	Less than 10 entered.	Electricity & gas: £5 pw = £260 pa by pre-payment meter/powercard. 2 bedroom semi-detached bungalow. Uses central heating with radiators. No difficulty heating home.	DH6a, DH7a, DH8a, DH1_6, HseType, DH2 DH14	No change.
376	DHT6b	Less than 10 entered.	Electricity & gas: £5 pw = £260 pa by pre-payment meter/powercard. 2 bedroom semi-detached bungalow. Uses central heating with radiators. No difficulty heating home.	DH6a, DH7a, DH8a, DH1_6, HseType, DH2 DH14	No change.
378	DHT6b	Less than 10 entered.	Electricity & gas: £5 pw = £260 pa by pre-payment meter/powercard. 2 bedroom semi-detached bungalow. Uses central heating with radiators. No difficulty heating home.	DH6a, DH7a, DH8a, DH1_6, HseType, DH2 DH14	No change.
379	DHT6b	Bill for fuels paid together is less than 300 per year.	Electricity & gas: £5 pw = £260 pa by pre-payment meter/powercard. 2 bedroom semi-detached bungalow. Uses central heating with radiators. No difficulty heating home.	DH6a, DH7a, DH8a, DH1_6, HseType, DH2, DH14	No change.
380	DHT6b	Bill for fuels paid together is more than 1358 per year.	Electricity & gas: £1,400 pa by direct debit. 3 or more bedroom detached house. Uses central heating with radiators. Rooms heated for 20 to 23 hours per day. No difficulty heating home.	DH6a, DH7a, DH8a, DH1_7, HseType, DH2, DH14	No change.
381	DHT6b	Enter amount given at DHT6a but no amount given at DHT6b. Amend.	Enter amount at DH6axa but don't know at DH6xa. Amend DH6axa to Don't know	DH6xa, DH7xa, DH8xa, DH6axa	DH6axa=1 to DH6axa=5

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
400	DHT6b :	Less than 10 entered.	Electricity: £1 every 3 months = £4 pa by cash/cheque. Also has gas £4 pa. 2 bedroom terraced house. Interviewer note: carer pays bills not to hand now. Amend cost of electricity to Don't know.	DH6xa, DH7xa, DH8xa, DH6xb, DH7xb, DH8xb, DH1_6, HseType, DH6axa	DH6axa=1 to DH6axa=5
401	DHT6b	Less than 10 entered.	Heating oil: £1 every 3 months = £4 pa by cash/cheque. Also has electricity £1,320 pa. 2 bedroom house. Uses electric storage heaters. No difficulty heating home Interviewer note: Newly installed, no records so far. Amend cost of heating oil to Don't know.	DH6xc, DH7xc, DH8xc, DH6xa, DH7xa, DH8xa, DH1_6, HseType, DH2, DH14, DH6axc, DH14	DH6axc=1 to DH6axc=5
401	DHT6b	Less than 10 entered.	Solid fuel: £1 per quarter = £4 pa. Also has electricity £1,200 pa and bottled gas £20 pa. 2 bedroom detached house. Uses solid-fuel- open grate. Some difficulty heating home.	DH6xd, DH7xd, DH8xd, DH6xa, DH7xa, DH8xa, DH6xe, DH7xe, DH8xe, DH1_6, HseType, DH2, DH14	No change.
403	DHT6b	Less than 10 entered.	Bottled gas: £7 pcm = £84 pa by cash/ cheque. Also has electricity £572 pa and heating oil £600 pa. 3 or more bedroom detached house. Uses electric storage heaters. No difficulty heating home	DH6xa, DH7xa, DH8xa, DH6xc, DH7xc, DH8xc, DH6xe, DH7xe, DH8xe, DH1_7, HseType, DH2, DH14	No change.
402	DHT6b	Less than 10 entered.	Bottled gas: £7 pcm = £84 pa by cash/ cheque. Also has electricity £572 pa and heating oil £600 pa. 3 or more bedroom detached house. Uses electric storage heaters. No difficulty heating home	DH6xa, DH7xa, DH8xa, DH6xc, DH7xc, DH8xc, DH6xe, DH7xe, DH8xe, DH1_7, HseType, DH2, DH14	No change.
408	DHT6b	Range check. Cost of electricity is less than 160 a year.	Electricity: £36 per quarter = £144 pa by cash/cheque. Sole fuel. 1 bedroom flat. Uses electric storage heaters. No difficulty heating home.	DH6xa, DH7xa, DH8xa, DH5_1, DH1_5, FltTyp, DH2, DH14	No change
409	DHT6b	Range check. Cost of gas is less than 168 a year.	Gas: £36 per quarter = £144 pa by cash/cheque. Sole fuel. 1 bedroom flat. Uses electric storage heaters. No difficulty heating home.	DH6xb, DH7xb, DH8xb, DH5_1, DH1_5, FltTyp, DH2, DH14	No change
410	DHT6b	Less than 10 entered.	Bottled gas: £7 pcm = £84 pa by cash/ cheque. Also has electricity £572 pa and heating oil £600 pa. 3 or more bedroom detached house. Uses electric storage heaters. No difficulty heating home	DH6xa, DH7xa, DH8xa, DH6xc, DH7xc, DH8xc, DH6xe, DH7xe, DH8xe, DH1_7, HseType, DH2, DH14	No change.
410	DHT6b	Range check. Cost of electricity is less than 160 a year.	Electricity: £36 per quarter = £144 pa by cash/cheque. Sole fuel. 1 bedroom flat. Uses electric storage heaters. No difficulty heating home.	DH6xa, DH7xa, DH8xa, DH5_1, DH1_5, FltTyp, DH2, DH14	No change

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
410	DHT6b	Range check. Cost of heating oil is less than 300 a year.	Heating oil: £1 every 3 months = £4 pa by cash/cheque. Also has electricity £1,320 pa. 2 bedroom house. Uses electric storage heaters. No difficulty heating home Interviewer note: Newly installed, no records so far. Amend cost of heating oil to Don't know.	DH6xc, DH7xc, DH8xc, DH6xa, DH7xa, DH8xa, DH1_6, HseType, DH2, DH14, DH6axc, DH14	DH6axc=1 to DH6axc=5
411	DHT6b	Range check. Cost of solid fuel is less than 40 a year.	Solid fuel: £1 per quarter = £4 pa. Also has electricity £1,200 pa and bottled gas £20 pa. 2 bedroom detached house. Uses solid-fuel- open grate. Some difficulty heating home.	DH6xd, DH7xd, DH8xd, DH6xa, DH7xa, DH8xa, DH6xe, DH7xe, DH8xe, DH1_6, HseType, DH2, DH14	No change.
412	DHT6b	Range check. Cost of bottled gas is less than 15 a year.	Bottled gas: £7 pa by cash/ cheque. Also has electricity £572 pa and heating oil £600 pa. 3 or more bedroom detached house. Uses electric storage heaters. No difficulty heating home	DH6xa, DH7xa, DH8xa, DH6xc, DH7xc, DH8xc, DH6xe, DH7xe, DH8xe, DH1_7, HseType, DH2, DH14	No change.
413	DHT6b	Range check. Cost of propane gas is less than 43 a year.	Propane gas: £5 pa by cash/ cheque. Also has electricity £572 pa and heating oil £600 pa. 3 or more bedroom detached house. Uses electric storage heaters. No difficulty heating home	DH6xf, DH7xf, DH8xf, DH6xc, DH7xc, DH8xc, DH6xe, DH7xe, DH8xe, DH1_7, HseType, DH2, DH14	No change.
414	DHT6b	Range check. Cost of paraffin is less than 3.8 a year.	--	--	--
415	DHT6b	Range check. Solid fuel less than 40 per year.	Solid fuel: £20pa by cash/ cheque. Also has electricity £340 pa and heating oil £360pa. 2 bedroom semi-detached house. Uses central heating with radiators. No difficulty heating home.	DH6xa, DH7xa, DH8xa, DH6xc, DH7xc, DH8xc, DH6xd, DH7xd, DH8xd, DH1_6, HseType, DH2, DH14	No change
415	DHT6b	Range check. Cost of other fuel is less than 4.60 a year.	--	--	--
416	DHT6b	Range check. Cost of electricity is more than 1200 a year.	Electricity: £25 pw = £1,300 pa by pre-payment meter/ powercard. Sole fuel. 1 bedroom terraced house. Uses plug in electric fire/ heater. No difficulty heating home.	DH6xa, DH7xa, DH8xa, DH5_1, DH1_5, HseType, DH2, DH14	No change.
416	DHT6b	Range check. Cost of electricity is more than 1200 a year.	Electricity: £30 pw = £1,560 pa by pre-payment meter/powercard. Sole fuel. 2 bedroom flat in purpose-built block. Uses central heating with radiators. Some rooms heated for 24 hours. Some difficulty heating home.	DH6xa, DH7xa, DH8xa, DH1_6, FitTyp, DH2, DH14	No change
417	DHT6b	Range check. Cost of gas is more than 936 a year.	--	--	--
418	DHT6b	Range check. Cost of heating oil is more than 1800 a year.	--	--	--
419	DHT6b	Range check. Cost of solid fuel is more than 1248 a year.	--	--	--
420	DHT6b	Range check. Cost of bottled gas is more than 600 a year.	--	--	--

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
421	DHT6b	Range check. Cost of propane gas is more than 2806 a year.	--	--	--
422	DHT6b	Range check. Cost of paraffin is more than 2400 a year.	--	--	--
423	DHT6b	Range check. Cost of other fuel is more than 1300 a year.	--	--	--
425	DHT6b	Range check. Electricity less than 160 per year.	Electricity: £50 per 6 months = £100 pa by direct debit. Also has gas £400 pa. 3 or more bedroom flat. Uses central heating with radiators. No difficulty heating home.	DH6xa, DH7xa, DH8xa, DH6xb, DH7xb, DH8xb, FltTyp, DH1_7, DH2, DH14	No change
426	DHT6b	Range check. Gas less than 168 per year.	--	--	--
427	DHT6b	Range check. Gas less than 168 per year.	Gas: £28 per quarter = £112 pa by quantum/paypoint. Also has electricity £496 pa. 3 or more bedroom semi-detached house. Uses central heating with radiators. No difficulty heating home.	DH6xb, DH7xb, DH8xb, DH6xa, DH7xa, DH8xa, DH1_7, HseType, DH2, DH14	No change.
428	DHT6b	Range check. Oil less than 300 per year.	--	--	--
429	DHT6b	Range check. Oil less than 300 per year.	Heating oil: £170 pa by direct debit. Also has electricity £252 pa and solid fuel £364 pa. 2 bedroom house. Uses central heating with radiators. No difficulty heating home.	DH6xc, DH7xc, DH8xc, DH6xa, DH7xa, DH8xa, DH6xd, DH7xd, DH8xd, DH1_6, HseType, DH2, DH14	No change.
430	DHT6b	Range check. Oil less than 300 per year.	--	--	--
431	DHT6b	Range check. Solid fuel less than 40 per year.	--	--	--
432	DHT6b	Range check. Solid fuel less than 40 per year.	--	--	--
433	DHT6b	Range check. Solid fuel less than 40 per year.	--	--	--
434	DHT6b	Range check. Bottled Gas less than 15 per year.	--	--	--
436	DHT6b	Range check. Bottled Gas less than 15 per year.	Bottled gas: amount unknown. Also has electricity £96 pa. 3 or more bedroom semi-detached house. Uses electric storage heaters. No difficulty heating home.	DH6xe, DH7xe, DH8xe, DH6xa, DH7xa, DH8xa, DH1_7, HseType, DH2, DH14	No change
437	DHT6b	Range check. Bottled Gas less than 15 per year.	--	--	--
438	DHT6b	Range check. Bottled Gas less than 15 per year.	--	--	--
439	DHT6b	Range check. Bottled Gas less than 15 per year.	--	--	--

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
440	DHT6b	Range check. Liquid Propane Gas less than 43 per year.	--	--	--
441	DHT6b	Range check. Liquid Propane Gas less than 43 per year.	--	--	--
442	DHT6b	Range check. Liquid Propane Gas less than 43 per year.	--	--	--
443	DHT6b	Range check. Liquid Propane Gas less than 43 per year.	Liquid propane gas: £1 pcm = £12 pa by cash/ cheque. Also has electricity £360 pa, heating oil £1,500 pa and solid fuel £260 pa. 3 or more bedroom detached house. Uses central heating with radiators. Rooms heated for 20 to 23 hours per day. No difficulty heating home.	DH6xf, DH7xf, DH8xf, DH6xa, DH7xa, DH8xa, DH6xc, DH7x, DH8xc, DH6xd, DH7xd, DH8xd, DH6xh, DH7xh, DH8xh, DH1_7, HseType, DH14, DH2	No change.
444	DHT6b	Range check. Liquid Propane Gas less than 43 per year.	--	--	--
445	DHT6b	Range check. Liquid Propane Gas less than 43 per year.	--	--	--
446	DHT6b	Range check. Electricity more than 1200 per year.	Electricity: £130 pcm = £1,560 pa by direct debit. Also has solid fuel - free as respondent prepares. 3 or more bedroom detached house. Uses electric storage heaters. No difficulty heating home.	DH6xa, DH7xa, DH8xa, DH6xd, DH7xd, DH8xd, DH1_7, HseType, DH2, DH14	No change.
446	DHT6b	Range check. Electricity more than 1200 per year.	Electricity: £30 pw = £1,560 pa by key/powercard. Also has solid fuel £1,560 pa. 3 bedroom flat in purpose built block. Uses central heating with radiators. Heating on 24 hours in all rooms. No difficulty heating home.	DH6axa, DH7xa, DH8xa, DH6xd, DH7xd, DH8xd, DH1_7, DH2, FltTyp, DH14	No change.
447	DHT6b	Range check. Gas more than 936 per year.	--	--	--
448	DHT6b	Range check. Gas more than 936 per year.	Gas: £20 pw = £1,040 pa by quantum/paypoint. Also has electricity £780 pa. 3 or more bedroom semi-detached house. Uses central heating with radiators. No Some difficulty heating home.	DH6xb, DH7xb, DH8xb, DH6xa, DH7xa, DH8xa, DH1_7, HseType, DH2, DH14	No change.
448	DHT6b	Range check. Gas more than 936 per year.	Gas: £95 pcm = £1,140 pa by direct debit. Also has electricity £600 pa. 3 or more bedroom flat. Uses central heating with radiators. No difficulty heating home.	DH6xb, DH7xb, DH8xb, DH6xa, DH7xa, DH8xa, DH1_7, FltTyp, DH2, DH14	No change.
449	DHT6b	Range check. Oil more than 1800 per year.	--	--	--
450	DHT6b	Range check. Oil more than 1800 per year.	Oil: £95 pcm = £1,140 pa by direct debit. Also has electricity £600 pa. 3 or more bedroom flat. Uses central heating with radiators. No difficulty heating home.	DH6xc, DH7xc, DH8xc, DH6xa, DH7xa, DH8xa, DH1_7, FltTyp, DH2, DH14	No change.
451	DHT6b	Range check. Oil more than 1800 per year.	--	--	--

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
452	DHT6b	Range check. Solid fuel more than 1248 per year.	--	--	--
453	DHT6b	Range check. Solid fuel more than 1248 per year.	Solid fuel: £32 pw = £1,664 pa by cash/cheque. Also has electricity £360 pa. 3 or more bedroom terraced house. Uses solid fuel - open/enclosed grate. Rooms heated for 24 hours per day. No difficulty heating home.	DH6xd, DH7xd, DH8xd, DH6xa, DH7xa, DH8xa, DH1_7, HseType, DH2, DH14	No change.
454	DHT6b	Range check. Solid fuel more than 1248 per year.	--	--	--
455	DHT6b	Range check. Solid fuel more than 1248 per year.	--	--	--
456	DHT6b	Range check. Bottled gas more than 600 per year.	--	--	--
457	DHT6b	Range check. Bottled gas more than 600 per year.	--	--	--
458	DHT6b	Range check. Bottled gas more than 600 per year.	--	--	--
459	DHT6b	Range check. Bottled gas more than 600 per year.	--	--	--
460	DHT6b	Range check. Bottled gas more than 600 per year.	--	--	--
461	DHT6b	Range check. Liquid Propane Gas more than 2806 per year.	--	--	--
462	DHT6b	Range check. Liquid Propane Gas more than 2806 per year.	--	--	--
463	DHT6b	Range check. Liquid Propane Gas more than 2806 per year.	--	--	--
464	DHT6b	Range check. Liquid Propane Gas more than 2806 per year.	--	--	--
465	DHT6b	Range check. Liquid Propane Gas more than 2806 per year.	--	--	--
466	DHT6b	Range check. Liquid Propane Gas more than 2806 per year.	--	--	--
467	DHT6b	Enter amount given at DHT6a but no amount given at DHT6b. Amend.	Bottled gas: amount unknown. Interviewer note: doesn't use it much now so not changed. Amend DH6axe to Don't know	DH6axe, DH6xe	DH6axe=1 to DH6axe=5
467	DHT6b	Enter amount given at DHT6a but no amount given at DHT6b. Amend.	Electricity: amount unknown. Amend DH6axa to Don't know	DH6xa, DH6axa	DH6axa=1 to DH6axa=5
467	DHT6b	Enter amount given at DHT6a but no amount given at DHT6b. Amend.	Heating oil: amount unknown. Interviewer note: doesn't know yet as system just installed. Amend DH6axc to Don't know	DH6xc, DH6axc	DH6axc=1 to DH6axc=5
471	DCD1	The respondent said there were some problems with damp and condensation.	--	--	--

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
483	DCC8b	Adaptation selected that already has.	Handrails already in home but are also required. Interviewer note: needed at front of house.	DC8a_7, DC8b_7	No change.
501	DHE8	Age of first asthma attack is greater than respondents current age.	--	--	--
502	DHE12	Age of most recent asthma attack is greater than respondents current age.	Aged 56. 57 years old when last had asthma attack. Amend DHE12 to 56.	DHE12, DVAge	DHE12=57 to DHE12=56
503	DHE11/12	Respondent was older at first asthma attack than most recent attack.	--	--	--
504	DHE12	Age is not within 12 months of the age of respondent.	Aged 44. 42 years old when had last asthma attack. Amend to no asthma attack within the last 12 months.	DVAge, DHE10, DHE11, DHE12	DHE10=1 to DHE10=2
507	Wrking	Recorded earlier that respondent in paid work.	Coded as working part time at DHC8b, DIN1 and DIN11, then not working at Wrking. Amend Wrking to show Working	DHC8a, DIN1, DIN11, Wrking,	Wrking = 2 to Wrking = 1
508	Wrking	Recorded earlier that respondent was unemployed.	--	--	--
509	Stat	Recorded as self-employed earlier. Inconsistent.	Self-employed at DHC8a then employed at Stat and DIN3. works full-time 36 hours. Amend DHC8a to employed.	DHC8a, Stat, DIN3, DIN7	DHC8a=1 to DHC8a=2
510	Stat :	Recorded as full-time employee earlier. Inconsistent.	Employed full-time at DHC8a and then self-employed at Stat and DIN3. Amend DHC8a to self-employed.	DHC8a, Stat, DIN3	DHC8a=2 to DHC8a=1
511	Stat	Recorded as part-time employee earlier. Inconsistent.	Employed part-time at DHC8a and then self-employed at Stat and DIN3. Amend DHC8a to self-employed.	DHC8a, Stat, DIN3	DHC8b=3 to DHC8b=1
512	FtPtWk	Recorded as being in full-time employment earlier. Inconsistent.	Works part-time in 2 jobs 26 hours pw and 1 hour pw. Total = 27 hours pw. Amend to part-time.	DHC8b, DIN35, DIN36, DIN42, DIN65, FtPtWk	DHC8b=2 to DHC8b=3
512	FtPtWk	Recorded as being in full-time employment earlier. Inconsistent.	Works part time. Works 18.5 hours pw in one job and 16 hours pw in another. Total = 34.5 hours pw.	FtPtWk, DHC8a, DIN36, DIN42, DIN65	No change
513	FtPtWk	Recorded as being in part-time employment earlier. Inconsistent.	--	--	--
518	DVUSHr	KeyHH coded as working part-time but work more than 30 hours.	Works part-time. Works 30 hours pw plus 4 hours overtime. Amend DHC8a and FtPtWk to full-time (working 30 or more hours pw).	DHC8a, FtPtWk, DIN1, DIN4, DIN5, DIN7, Usuhr, UOtHr	DHC8a=3 to DHC8a=2, FtPtWk=2 to FtPtWk=1
519	DVUSHr	KeyHH coded as working full-time but work less than 30 hours.	Works part time. Works 18.5 hours pw in one job and 16 hours pw in another. Total = 34.5 hours pw.	FtPtWk, DHC8a, DIN36, DIN42, DIN65, DVUSHr, Usuhr	No change
519	DVUSHr	KeyHH coded as working full-time but work less than 30 hours.	Works 28 hours pw. Amend to working part-time.	DHC8a, DIN1, DIN7,Usuhr, FtPtWk	FtPtWk=1 to FtPtWk=2

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
520	UsuHr	Overtime hours equal or exceed basic hours.	Interviewer note: Seasonal work overtime hours exceed usual working hours.	Wrking, FtPtWk, UsuHr, PotHr	No change
520	Usuhr	Overtime hours equal or exceed basic hours.	Usual hours = 48 and over-time = 72 hours pw (97 hours pw). Works as a GP.	Wrking, FtPtWk, UsuHr, PotHr	No change
521	UsuHr	Overtime hours equal or exceed basic hours.	--	--	--
522	SEmpSTY	Starting self-employed business when less than 16 seems a bit young.	Started in 1961. Born in 1946 so aged 16 years. Interviewer note: startedworkingself employed in family business.	SEmpStY, Birth2	No change.
522	SEmpSTY	Starting self-employed business when less than 16 seems a bit young.	Started in 1955. Born in 1939 so aged 16 years.	SEmpStY, Birth	No change.
530	DOH15	Borrowed more for property than they did in total.	£12,000. Borrowed £1,000 in total and £1,000 for repairs. Amend loan to £13,000.	DOH13, DOH14, DOH15, DOH16	DOH14=1,000 to DOH14=13,000
532	DOH14a	Borrowed more for property and repairs than did in total.	Borrowed £21,000: £6,000 for property purchase and £500 for repairs. Interviewer note: includes additional £14,000 borrowed approx 1990.	DOH14, DOH15, DOH16, DT39_2	No change.
532	DOH14a	borrowed more for property and repairs than did in total.	£1,000. Borrowed £1,000 for repairs and £12,000 to purchase property. Amend loan to £13,000	DOH13, DOH14, DOH15, DOH16	DOH14=1,000 to DOH14=13,000
534	DOH20	Has had current mortgage for less than 5 years but has less than 5 years to run.	Borrowed £24,000 in 2002. Property cost £44,000. Had mortgage for less than 5 years, less than 5 years left to run. No further information.	DOH17, DT39_2, DOH9, DOH20, DOH21	No change.
536	DOH22	Monthly mortgage of more than 1,500.	Interest only endowment mortgage. Loan £40,000. Endowment £80. Borrowed £16,500 in 1980. Less than 5 years to run. Amend DOH22 to don't know.	DOH19_3, DOH22, DOH23, DOH24, DOH17, DT39_2, DOH21	DOH22=40,000 to DOH22=DK
537	DOH24	Total monthly loan and endowment payment of less than 100.	Interest only endowment mortgage. Loan: £54 pcm. Endowment: £33 pcm. Borrowed £11,500 in 1993. 10-15 years left to run.	DOH19_3, DOH22, DOH24, DOH17, DT39_2, DOH21	No change.
539	DOH6	Range check. House price before discount less than or equal to 14,000.	£12,000. Paid £12,000 after unknown discount amount in 1982. 3 or more bedroom semi-detached house. Amend price before discount to unknown.	DOH6, DOH7, DOH8, DT39_2, DH1_7, HseType	DOH6=12,000 to DOH6=DK
539	DOH6	Range check. House price before discount less than or equal to 14,000.	£13,000. Paid £8,000 after 30% discount in 1982. 3 or more bedroom semi-detached house.	DOH6, DOH8, DOH7, DT39_2, DH1_7, HseType	No change.
540	DOH6	Range check. House price before discount more than or equal to 50,000.	£57,000 in 2004. 66% discount. £19,000 after discount. 3 or more bedroom semi-detached house.	DOH6, DT39_2, DOH7, DOH8, DH1_7, HseType	No change.
541	DOH7	Range check. Percentage discount less than or equal to 30 per cent.	30%. Original price £50,000. £35,000 after discount. Bought 3 or more bedroom flat in purpose-built block in 2003.	DOH6, DOH7, DOH8, DH1_7, FitTyp, DT39_2,	No change.

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
542	DOH7	Range check. Percentage discount greater than or equal to 75 per cent.	75%. Original price unknown. £12,000 after discount. Bought 3 or more bedroom flat in purpose-built block in 1991	DOH6, DOH7, DOH8, DH1_7, FitTyp, DT39_2,	No change.
543	DOH8	Range check. House price after discount less than or equal to 5,000.	£6,000 in 1984. 70% discount. Original price unknown. 2 bedroom flat in purpose built block.	DOH8, DT39_2, DOH7, DH1_6, FitTyp, DOH6	No change.
543	DOH8	Range check. House price after discount less than or equal to 7,000.	£6,600 in 1984. 70% discount. Original price £22,000. 3 or more bedroom semi-detached house.	DOH8, DT39_2, DOH7, DH1_7, HseType, DOH6	No change.
544	DOH8	Range check. House price after discount more than or equal to 25,000.	£30,000 in 2001. 50% discount. Original price £60,000. 3 or more bedroom detached house.	DOH6, DT39_2, DOH7, DOH8, DH1_7, HseType	--
544	DOH8	Range check. House price after discount more than or equal to 25,000.	£28,000 in 1996. 70% discount. Original price £40,000. 3 or more bedroom semi-detached house. Amend to 30% discount.	DT39_2, DOH6, DOH7, DOH8, DH1_7, HseType	DOH7=70 to DOH7=30
545	DOH9	Range check. House price less than or equal to 5,000.	£1,200 in 1953. 2 bedroom flat in purpose built block. Borrowed £1,200 on mortgage. Could now sell for £120,000.	DOH9, DT39_2, DH1_6, FitTyp, DOH17, DOH10	No change.
545	DOH9	Range check. House price less than or equal to 5,000.	£3,550 in 1956. 3 or more bedroom flat in purpose built block. Borrowed £2,000 on mortgage. Could now sell for £120,000.	DOH9, DT39_2, DH1_7, FitTyp, DOH10, DOH17	No change.
546	DOH9	Range check. House price more than or equal to 140,000.	£142,000 in 2002. 3 or more bedroom detached house. Bought with sale of previous property. Could now sell for £185,000.	DOH9, DT39_2, DH1_7, HseType, DOH11_10, DOH10	No change.
547	DOH10	Range check. Amount could sell house for less than or equal to 35,000.	£26,500. Cost £249,999 in 2003. 3 or more bedroom semi-detached house. Borrowed £220,000 on mortgage. Amend DOH10 to £265,000.	DOH10, DOH9, DT39_2, DH1_7, HseType, DOH17	DOH10=26,500 to DOH10=265,000
547	DOH10	Range check. Amount could sell house for less than or equal to 35,000.	£35,000. Cost £14,700 in 1994. 2 bedroom terraced house. Borrowed £19,500 on mortgage.	DOH9, DOH10, DT39_2, DOH17, DOH11_2, DH1_6, HseType	No change.
548	DOH10	Range check. Amount could sell house for more than or equal to 250,000.	£250,000. Cost £55,250 in 1987. 3 or more bedroom detached house.	DOH10, DOH9, DT39_2, DH1_7, HseType	No change.
549	DOH14a	Range check. Amount borrowed including repairs less than or equal to 9,000.	£5,000 (for repairs). Bought 3 or more bedroom terraced house for £19,000 in 1982. Interviewer note: confirmed with respondent money borrowed was to upgrade property - rewiring etc.	DOH14, DOH15, DOH16, DH1_7, HseType, DOH9, DT39_2	No change
549	DOH14a	Range check. Amount borrowed including repairs less than or equal to 9,000.	£1,000. Borrowed £1,000 for repairs and £12,000 to purchase property. Amend loan to £13,000.	DOH13, DOH14, DOH15, DOH16	DOH14=1,000 to DOH14=13,000
550	DOH14a	Range check. Amount borrowed including repairs more than or equal to 85,000.	£100,000. Borrowed £87,000 for property purchase and £13,000 for repairs. Bought 3 or more bedroom terraced house for £190,000 in 2003.	DOH14, DOH15, DOH16, DH1_7, HseType, DOH9, DT39_2	No change.

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
551	DOH15a	Range check. Amount borrowed for purchase less than or equal to 6,210.	£50. Borrowed £35,000 (£34,500 for repairs/improvements). Bought 3 or more bedroom detached house for £50 in 1995.	DOH14, DOH15, DOH16, DH1_7, HseType, DOH9, DT39_2	No change.
552	DOH15a	Range check. Amount borrowed for purchase more than or equal to 55,000.	£87,000. Borrowed £100,000 (£13,000 for repairs). Bought 3 or more bedroom terraced house for £190,000 in 2003.	DOH14, DOH15, DOH16, DH1_7, HseType, DOH9, DT39_2	No change.
553	DOH16a	Range check. Amount borrowed for repairs less than or equal to 1,000.	£500. Borrowed £20,000 (£19,500 for property purchase). Bought 3 or more bedroom detached house for £34,000 in 1983.	DOH16, DOH14, DOH15, DH1_7, HseType, DOH9, DT39_2	No change.
554	DOH16a	Range check. Amount borrowed for repairs more than or equal to 20,000.	£34,500. Borrowed £35,000 on mortgage (£50 for purchase). Bought 3 or more bedroom detached house for £50 in 1995.	DOH9, DOH14, DOH15, DOH16, DH1_7, HseType, DT39_2	No change.
555	DOH17 :	Range check. Total amount borrowed less than or equal to 5,000.	£3,500. Bought 3 or more bedroom semi-detached house for £4,100 in 1965.	DOH17, DH1_7, HseType, DOH9, DT39_2,	No change.
556	DOH17	Range check. Total amount borrowed more than or equal to 91,000.	£140,000. Bought 3 or more bedroom semi-detached house for £160,150 in 2003.	DOH17, DH1_7, HseType, DOH9, DT39_2,	No change.
557	DOH22	Range check. Monthly mortgage payment less than or equal to 10.	Repayment mortgage. Loan: £45pcm. Borrowed £12,000 in 2001. 20 or more years left to run.	DOH19_1, DOH22, DOH17, DT39_2, DOH21	No change.
557	DOH22	Range check. Monthly mortgage payment less than or equal to 68.	Interest only endowment mortgage. Loan: £54pcm. Endowment: £33pcm. Borrowed £11,500 in 1993. 15-20 years left to run.	DOH19_3, DOH22, DOH24, DOH17, DT39_2, DOH21	No change.
558	DOH22	Range check. Monthly mortgage payment more than or equal to 650.	Repayment mortgage. Loan: £840 pcm. Borrowed £160,150 in 2003. 20 years or more left to run.	DOH19_1, DOH22, DOH17, DT39_2, DOH21	No change.
558	DOH22	Range check. Monthly mortgage payment more than or equal to 650.	Interest only endowment mortgage. Loan £40,000pcm. Endowment £80pcm. Borrowed £16,500 in 1980. Less than 5 years to run. Amend DOH22 to don't know.	DT39_2, DOH17, DOH19_3, DOH21, DOH22	DOH22=40,000 to DOH22=DK
559	DOH24	Range check. Monthly endowment payment less than or equal to 10.	Interest only endowment mortgage. Loan: £55pcm. Endowment: £18pcm. Borrowed £9,000 in 1985. Under 5 years left to run.	DOH19_3, DOH22, DOH24, DOH17, DT39_2, DOH21	No change
560	DOH24	Range check. Monthly endowment payment more than or equal to 200.	Interest only endowment mortgage. Loan: £315 pcm. Endowment: £200 pcm. Borrowed £72,000 in 2000. 20 years or more left to run.	DOH19_3, DOH22, DOH24, DOH17, DT39_2, DOH21	No change.
561	DOH26	Range check. Mortgage insurance less than or equal to 7.	£6 pcm. Borrowed £21,000 in 2000. 10-15 years left to run. No long standing health problems.	DOH26, DOH17, DT39_2, DOH21, DC1_17	No change.
561	DOH26	Range check. Mortgage insurance less than or equal to 7.	£6 pcm. Borrowed £23,000 in 2003. 10-15 years left to run. Aged 47 and has some long-standing health issues/disabilities	DOH26, DOH17, DT39_2, DOH21, DVAge, DC1_1	No change.
562	DOH26	Range check. Mortgage insurance more than or equal to 100.	£200 pcm. Borrowed £80,750 in 1995. 20 years left to run. No smokers or health problems.	DOH26, DOH21, DOH17, DT39_2, DT54, DC1_17	No change.

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563	DOH6	House price before discount is less than price after discount.	£2,100. Paid £11,000 after 50% discount. Amend to £21,000.	DOH6, DOH7, DOH8	DOH6=2,100 to DOH6=21,000
564	DOH11	No mortgage or loan to buy property but have one outstanding.	--	--	--
568	HBenAmt	Amount paid after HB is greater or equal to amount before HB is deducted.	Rent before HB= £148 every 4 weeks. HB= £100 every 4 weeks. Rent after HB= £48 every 4 weeks.	DH1_5, HBenAmt, HBenPd, HBenChk, RentFull, RentPd1, xRent, xRentPd	No change.
569	xRent	Respondent said they lived rent free but paying rent.	--	--	--
570	Rebate	Respondent said they lived rent free but they receive 100% Housing Benefit.	Respondent lives rent-free. Rent = £0. Respondent receives 100% housing benefit. Amend to show Rent as Don't Know	DT13, xRent, HBenOth, Rebate, HBenAmt, HBenPd	xRent=0 to xRent= DK
571	xRent	Respondent said they paid rent but have recorded £0 rent.	--	--	--
574	xRent	Monthly rent after benefit more than 400.	--	--	--
575	HBenAmt	Amount paid after HB is greater or equal to amount before HB is deducted.	--	--	--
576	HBenAmt	Amount paid after HB is greater or equal to amount before HB is deducted.	Rent after HB= £140 pcm. Housing benefit amount unknown. Rent before Housing Benefit amount unknown.	xRent, xRentPd, HBenAmt, HBenPd, RentFull, RentPd, HBenChk	No change.
577	HBenAmt	Amount paid after HB is greater or equal to amount before HB is deducted.	Rent before HB = £46 pw. Housing Benefit = £35 pw. Rent after Housing Benefit = £9 pw. Amend xRent to 11.	xRent, xRentPd, HBenAmt, HBenPd, HBenChk, RentFull, RentPd1	xRent = 9 to xRent = 11
577	HBenAmt	Amount paid after HB is greater or equal to amount before HB is deducted.	Rent after HB= £1pw. HB= £53 every 2 weeks. Interviewer note: rent free. Amend xRent to nothing.	xRent, xRentPd, HBenAmt, HBenPd, HBenChk, RentFull, RentPd1	xRent= 1 to xRent= 0, Rebate=1
578	HBenAmt	Amount paid after HB is greater or equal to amount before HB is deducted.	Rent after HB= £54 every 4 weeks. HB = don't know. Rent before HB = don't know.	xRent, xRentPd, HBenAmt, HBenPd, HBenChk, RentFull, RentPd1	No change
579	HBenAmt	Amount paid after HB is greater or equal to amount before HB is deducted.	Rent after HB= £52 pcm. Housing benefit = £128 pcm. Rent before Housing Benefit= £180 pcm.	xRent, xRentPd, HBenAmt, HBenPd, RentFull, RentPd, HBenChk	No change.
580	HBenAmt	Amount paid after HB is greater or equal to amount before HB is deducted.	--	--	--
581	xRent/Hben	Time periods are different and amount paid after HB MAY be >= before HB is deducted.	Rent before HB = £165 every 2 weeks (£4,290 pa) HB = £165 pcm (£1,980 pa). Rent after HB = £2,310 pa	xRent, xRentPd, HBenAmt, HBenPd	No change.
582	xRent	Range check. Rent before HB is equal to or less than 1,500 per year.	Rent before HB= £25 every 2 weeks = £650 pa. HB amount unknown. No further information available.	xRent, xRentPd, HBenAmt, HBenChk	No change.

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
583	xRent	Range check. Rent before HB is equal to or greater than 4,800 per year.	£150 pw = £7,800 pa. HB: £7,800 pa. 3 or more bedroom terraced house. Rents from Housing Association / Trust.	xRent, xRentPd, HBenAmt, HBenPd, HBenChk, HseType, DH1_7	No change.
583	xRent :	Range check. Rent before HB is equal to or greater than 4,800 per year.	Rent before HB= £500 pcm = £6,000 pa. HB = £1,200 pa. Rent after HB= £4,800.	xRent, xRentPd, HBenAmt, HBenPd, HBenChk	No change
584	DRH6a	Range check. Rent after HB is equal to or less than 73 per year.	£5 pcm = £60 pa. HB = £194 every 4 weeks. Rent before HB= £199 pcm. Amend HB to monthly.	xRent, xRentPd, HBenAmt, HBenPd, HBenChk, RentFull, RentPd2	HBenPd=4 HBenPd=5
584	DRH6a	Range check. Rent after HB is equal to or less than 73 per year.	£4 pcm = £52 pa. HB = £220 pcm. Rent before HB = £224 pcm.	xRent, xRentPd, HBenAmt, HBenPd, HBenChk, RentFull, RentPd2	No change.
585	DRH6a :	Range check. Rent after HB is equal to or greater than 2,452 per year.	£85 pw = £4,420 pa. HB = £1,716 pa. Rent before HB = £2,704 pa	xRent, xRentPd, HBenAmt, HBenPd, HBenChk, RentFull, RentPd2	No change.
587	xRent	Range check. Rent before HB is equal to or greater than 4,800 per year.	Rent before HB= £86 pcm (£1,032 pa). HB = £66 pcm (£792 pa). Rent after HB= £20 pw (£1,040 pa). Amend HB to £20 pcm.	xRent, xRentPd, HBenChk, HBenAmt, HBenPd	xRentPd=2 to xRentPd=5
587	xRent	Range check. Rent before HB is equal to or greater than 4,800 per year.	Rent before HB = £56 per day (£20,440 pa) HB = £56 pw (£2,912 pa). Rent after HB = £56 pw (£2,912 pa). Amend HBenChk to paying £56 pw before HB	xRent, xRentPd, HBenAmt, HBenPd, HBenChk, RentFull	HBenChk= 2 to HBenChk = 1
587	xRent	Range check. Rent before HB is equal to or less than 1,500 per year.	--	--	--
588	DIN1	Respondent is over retirement age and receives pension, but not coded as retired or not working.	Male. Aged 69. Self-employed. Receives retirement pension. Amend DIN1 to retired but working.	Sex, DVAge, DHC8a, Ben1_4, DB7d, DIN1	DIN1=1 to DIN1=2
588	DIN1	Respondent is over retirement age and receives pension, but not coded as retired or not working.	Female. Aged 65. Works part-time 15 hours pw. Receives retirement pension. Amend DIN1 to retired but working.	Sex, DVAge, DHC8a, FtPtWk, DIN1, Ben1_4, DB7d	DIN1=1 to DIN1=2
589	DIN35	Partner is over retirement age and receives pension, but not coded as retired or not working.	Aged 63. Working full time at DHC8b and DIN35. Receives Retirement pension. Amend DIN35 to retired but doing some work.	DVAge2, DHC8b, DIN35, Ben1_4, DB7d	DIN35=1 to DIN35=2
590	DIN35	Partner is over retirement age and receives pension, but not coded as retired or not working.	Male. Aged 70. Works full-time 35 hours pw. Receives both retirement pension and occupational pension. Amend DIN35 to retired but working.	DVAge2, DHC8b, FTPtWk, DIN35, DIN42, Ben1_4, DB7d, DB16_1, DB17a	DIN35=1 to DIN35=2
590	DIN35	Partner is over retirement age and receives pension, but not coded as retired or not working.	Male. Aged 67. Works part-time 25 hours pw. Receives retirement pension. Amend DIN35 to retired but working.	DVAge, DHC8a, FtPtWk, DIN35, DIN39, DIN40, Ben1_4, DB7d	DIN35=1 to DIN35=2
591	DIN1	Respondent is over retirement age and receives pension, but not coded as retired or not working.	Female. Aged 60. Employed full-time. Works 40 hours pw. Receives retirement pension. Amend DIN1 to retired but working.	Sex2, DVAge2, DHC8b, DIN1, Ben1_4, DB7d	DIN1=1 to DIN1=2

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
591	DIN1	Respondent is over retirement age and receives pension, but not coded as retired or not working.	Female. Aged 62. Works part time in 2 jobs, 10 hours pw in each. Receives retirement pension. Amend DIN1 to retired but working.	DVAge2, DHC8b, DIN1, DIN2, DIN7, DIN32, Ben1_4	DIN1=1 to DIN1=2
591	DIN1 :	Respondent is over retirement age and receives pension, but not coded as retired or not working.	Female, aged 62. Working part-time 24 hours pw. Receives retirement pension. Amend DIN1 to retired but working.	DHC8b, DVAge2, DIN1, DIN7, DB7d	DIN1=1 to DIN1=2
599	DIN1	No response at DIN1. Check this is a complete interview.	--	--	--
600	DIN1	Not in paid work entered but earlier working was coded.	Self-employed at DHC8b, then not working at DIN35. Spouse/partner in paid work. 1 year old son in household (coded as looking after home and family). Amend to respondent looking after home and family and son in pre-school.	DHC8b, DIN1, DIN39, DIN40, DIN42, DHC8b, DVAge3	DHC8b=1 to DHC8b=4, DHC8c=4 to DHC8c=13
601	DIN1	In paid work entered but earlier said were not working.	Looking after the home/family at DHC8a, then working full-time 37 hours pw at DIN7. Amend DHC8a to working full-time.	DIN4, DIN5, DIN7, DHC8a	DHC8a=4 to DHC8a=2
602	DIN1	Retired but doing some work entered but earlier said permanently retired.	--	--	--
603	DIN1	Retired but doing some work but are aged under 60 years.	Female. Aged 59. Retired and working part-time, hours unknown. Receives occupational pension. No further information.	Sex, DHC8a, DIN1, DIN4, DB16_1, DB17a	No change.
604	DIN1	Maternity leave entered but male.	--	--	--
605	DIN1	Student entered but earlier said that were not in education.	--	--	--
606	DIN3a/b	Employee entered but earlier said that self-employed.	--	--	--
607	DIN3a/b	Self-employed entered but earlier said employed.	--	--	--
608	DIN5 :	Income works out to be more than 50,000 per year.	£5,000 pcm = £60,000 pa. Works as an investment banker	DIN4, DIN5, DIN6, DIN7	No change.
609	DIN5	Income works out to be less than 5,000 per year.	£350 pcm = £4,200 pa. Works part-time 15 hours pw. Spouse/partner is self-employed but earnings unknown. Household monthly income over £2,000	DIN4, DIN5, DIN7, DIN38, DIN56, DB18a	No change.
610	DIN9	Income works out to be more than 50,000 per year.	--	--	--
611	DIN9 :	Income works out to be less than 5,000 per year.	£380 pcm = £4,940 pa. Works part-time 15 hours pw. Household monthly income refused.	DHC8a, DIN4, DIN8, DIN9, DB18a	No change.
612	DIN13	Income works out to be more than 50,000 per year.	--	--	--
613	DIN13	Income works out to be less than 5,000 per year.	--	--	--

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
614	DIN17	Income works out to be more than 50,000 per year.	--	--	--
615	DIN17	Income works out to be less than 5,000 per year.	--	--	--
616	DIN21	Income works out to be more than 50,000 per year.	£35,000 pcm = £420,000 pa. Works as a GP. Amend to £3,500 pcm.	DIN20, DIN21	DIN20=35,000 to DIN20=3,500
617	DIN21	Income works out to be less than 5,000 per year.	£4,000 pa. Self-employed. Works full-time 30 hours pw. Receives retirement pension £ pa. Spouse/partner retired. Household monthly income under £800	DIN20, DIN21, DIN23, DIN35, Ben1_4, DB7d, BAmt4, BPd4, DIN1, DB18a	No change.
618	DIN25	Number of hours worked is more than 100.	--	--	--
619	DIN24	Income of more than 50,000 per year.	--	--	--
620	DIN24	Income of less than 5,000 per year.	£242 pcm = £2,904 pa in first job. Works part-time 13 hours pw. £42 pw = £2,184 pa in second job. Works part-time 10 hours pw. Total = £5,088.	DIN2, DIN4, DIN5, DIN7, DIN27, DIN28, DIN29	No change.
621	DIN27	Income works out to be more than 50,000 per year.	--	--	--
622	DIN27	Income works out to be less than 5,000 per year.	£242 pcm = £2,904 pa in first job. Works part-time 13 hours pw. £42 pw = £2,184 pa in second job. Works part-time 10 hours pw. Total = £5,088.	DIN2, DIN4, DIN5, DIN7, DIN27, DIN28, DIN29	No change.
623	DIN31	Income works out to be more than 50,000 per year.	--	--	--
624	DIN31	Income works out to be less than 5,000 per year.	--	--	--
625	DIN35	Spouse/partner not in paid work but earlier said that they were working.	--	--	--
626	DIN35	Spouse/partner not in paid work but earlier said that they were working.	--	--	--
627	DIN35	Spouse/partner is in paid work but earlier said that they were not working.	--	--	--
628	DIN35 :	Spouse/partner is in paid work but earlier said that they were not working.	Coded as unable to work due to short term illness/injury at DHC8a. Then employed at DIN35. Works 40 hours pw. No further information.	DIN38, DIN42, DHC8a	No change
629	DIN35	Maternity leave, but they are not female!	--	--	--
630	DIN35	Maternity leave, but they are not female!	--	--	--

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
631	DIN35	Spouse/partner is retired but doing some work, but earlier said that permanently retired.	--	--	--
632	DIN35	Spouse/partner is retired but doing some work, but earlier said that permanently retired.	Aged 56. Works full-time 39 hours pw. Receives occupational pension. Amend DHC8a to working full-time.	DVAge, DHC8a, DIN35, DB16_1, FtPtWk	DHC8a=5 to DHC8a=2
635	DIN35	Student entered but earlier said that were not in education.	--	--	--
636	DIN38	Spouse/partner is an employee but earlier said that they were not.	Employed. Works 50 hours pw. Amend DHC8b to employed full-time.	DIN38, DIN42, DHC8b	DHC8b=1 to DHC8b=2
637	DIN38	Spouse/partner is an employee but earlier said that they were not.	Recorded as self-employed at DHC8a then employed at DIN3 and Stat. Amend DHC8a to self-employed.	DHC8a, DHC8b, DIN3a, DIN38, Stat	DHC8a=1 to DHC8a=2,
638	DIN38	Spouse/partner is self-employed but earlier said they were not self-employed.	--	--	--
639	DIN38	Spouse/partner is self-employed but earlier said they were not self-employed.	Recorded as working part-time at DHC8b and self-employed at Stat and DIN3. Amend DHC8b to self-employed.	Stat, FtPtWk, DHC8b	DHC8b=3 to DHC8b=1
640	DIN40	Income works out to be more than 50,000 per year.	£5,000 pcm = £60,000 pa. Works as an investment banker	DIN4, DIN5, DIN6, DIN7	No change.
641	DIN40	Income works out to be less than 5,000 per year.	£60 pw = £3,120 pa. Works part-time 20 hours pw. Spouse earns £10,400 pa. Weekly household income over under £300	DIN39, DIN40, DIN42, DIN4, DIN5, DB18	No change.
641	DIN40	Income works out to be less than 5,000 per year.	£200 pcm = £2,400 pa. Retired but works part-time 13 hours pw. Also receives retirement pension. Household monthly income under £500	DIN35, DIN39, DIN40, DIN42, Ben1_4, DB7d, DB18a	No change.
642	DIN45	Income works out to be more than 50,000 per year.	--	--	--
643	DIN45	Income works out to be less than 5,000 per year.	£200 pcm = £2,400 pa. Retired but works part-time 13 hours pw. Also receives retirement pension. Household monthly income under £500	DIN44 DIN45, DIN47, Ben1_4, DB7d, DB18a	No change.
644	DIN49	Income works out to be more than 50,000 per year.	--	--	--
645	DIN49	Income works out to be less than 5,000 per year.	--	--	--
646	DIN53	Income works out to be more than 50,000 per year.	--	--	--
647	DIN53	Income works out to be less than 5,000 per year.	--	--	--
648	DIN57	Income works out to be more than 50,000 per year.	--	--	--

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
649	DIN57	Income works out to be less than 5,000 per year.	£400 pcm = £4,800 pa. Self-employed. Works 45 hours pw. Spouse/partner earns £16,800 pa. Household monthly income over £	DIN56, DIN57, DIN59, DIN4, DIN5, DB18a	No change.
650	DIN60	Income of more than 50,000 per year.	--	--	--
651	DIN60	Income of less than 5,000 per year.	£2,000 pa. Interviewer note: £3,000 for year only before tax. Also has occupational pension of £25,000 pa.	DIN60, DB17a, DB17ba, DB17ca	No change
652	DIN61	Number of hours worked is more than 100.	--	--	--
653	DIN63	Income works out to be more than 50,000 per year.	--	--	--
654	DIN63	Income works out to be less than 5,000 per year.	--	--	--
655	DIN64	Income works out to be more than 50,000 per year.	--	--	--
656	DIN67	Income works out to be less than 5,000 per year.	--	--	--
657	DIN7 :	Respondent coded as working part-time but working more than 30 hours.	Works part-time at DHC8a but works 33 hours pw at DIN7. Amend DHC8a to working full-time.	DHC8a, DIN7	DHC8a=3 to DHC8a = 2
658	DIN7	Respondent coded as working full-time but working less than 30 hours.	Works 28 hours pw at DIN7 and 28 hours pw in employment section.	DHC8a, DIN7, UsuHr, PotHr	No change.
658	DIN7	Respondent coded as working full-time but working less than 30 hours.	Works 28 hours pw. Amend DHC8a to working part-time.	DHC8a, DIN1, DIN7	DHC8a=2 to DHC8a=3
658	DIN27	Income works out to be more than 50,000 per year.	--	--	--
659	DIN42	Partner coded as working full-time but working less than 30 hours.	Works 25 hours pw. Amend DHC8b to working part-time.	DHC8b, DIN39, DIN40, DIN42	DHC8b=2 to DHC8b=3
659	DIN27	Income works out to be less than 5,000 per year.	--	--	--
660	DIN42	Partner coded as working full-time but working less than 30 hours.	Works part-time in 2 jobs. 18.5 hours pw and 16 hours pw. Total = 34.5 hours pw.	FtPtWk, DHC8a, DIN36, DIN42, DIN65	No change
660	DIN42	Partner coded as working full-time but working less than 30 hours.	Works part-time in 2 jobs. 26 hours pw and 1 hour pw. Total = 27 hours pw. Amend to part-time.	DHC8b, DIN35, DIN36, DIN42, DIN65, FtPtWk	DHC8b=2 to DHC8b=3
660	DIN63	Income works out to be more than 50,000 per year.	--	--	--
661	DIN63	Income works out to be less than 5,000 per year.	--	--	--
662	DIN1	Check why Other Working recorded at DIN1.	Works part-time but self-employed. Amend to respondent in paid work.	DHC8a, Stat, DIN1, DIN3	DIN1=5 to DIN1=1
662	DIN35	Check why Other Working recorded at DIN35.	--	--	--

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
663	DIN8a	Enter amount given at DIN8a but no amount given at DIN8b. Amend.	Don't know at DIN8b. Amend DIN8a to Don't know	DIN8a, DIN8b	DIN8a = 1 to DIN8a =3
664	DIN20a	Enter amount given at DIN20a but no amount given at DIN20b. Amend.	Don't Know at DIN20b. Amend DIN20a to Don't Know	DIN20a, DIN20b	DIN20a=1 to DIN20a = 3
665	DIN4a	Enter amount given at DIN44a but no amount given at DIN4b. Amend.	Don't know at DIN44b. Amend DIN44b to Don't know	DIN8a, DIN8b	DIN44a = 1 to DIN44a =3
666	DIN56a	Enter amount given at DIN56a but no amount given at DIN56b.	--	--	--
680	Ben1Q	Not in receipt of child benefit but are recorded as having children.	1 child aged 17 in full-time employment so not eligible for child benefit.	Ben1_1, DHC8c, DVAge3	No change.
680	Ben1Q	Not in receipt of child benefit but are recorded as having children.	2 children aged 19 and 17, both unemployed and seeking work so not eligible for child benefit.	Ben1_1, DVAge2, DVAge3, DHC8b, DHC8c	No change.
680	Ben1Q	Not in receipt of child benefit but are recorded as having children.	1 child aged 17 in higher education/university so not eligible for child benefit.	Ben1_1, DVAge3, DHC8c	No change.
681	Ben1Q	Not in receipt of child benefit but someone 18 or under and in Further Ed recorded at DHC8.	1 child aged 18 in further education/college. No further information.	Ben1_1, DVAge3, DHC8c	No change.
682	Ben1Q	To receive Child Benefit there should be a dependent child in the household.	Interviewer note: Daughter in age range living with older brother.	Ben1_1	No change
683	Ben1Q	Respondent receiving both Retirement Pension/Old Persons Pension and Widows Pension.	--	--	--
684	Ben1Q	Partner/spouse receiving both Retirement Pension/Old Persons Pension and Widows Pension.	--	--	--
685	Ben1Q	Both the respondent and the partner/spouse receiving both RP/Old Persons Pension and Widows Pension.	--	--	--
686	Ben1Q	Respondent is over retirement age and no Retirement Pension recorded for him/her.	Female aged 67. Permanently retired from work. No retirement pension received. No further information	DVAge, DHC8a, Ben1_4	No change
686	Ben1Q	Respondent is over retirement age and no Retirement Pension recorded for him/her.	Female aged 60. Permanently sick or disabled. No retirement pension received. No further information	DVAge, DHC8a, Ben1_4	No change
687	Ben1Q	Respondent or partner is over retirement age but no N.I. Retirement Pension recorded.	Female aged 68. Male aged 70. Both permanently retired from work. No retirement pension received.	DVAge, DVAge2, DHC8a, DHC8b, Ben1_4	No change.
688	Ben1Q	Retirement Pension coded but respondent is under retirement age.	Female aged 55. Self-employed. Interviewer note: the pension is her deceased husband's NHS pension.	DVAge, DHC8a, Ben1_4	No change
689	Ben1Q	Retirement Pension coded but respondent is under retirement age.	--	--	--

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
690	Ben1Q	Respondent is recorded receiving Widows Benefit, but not coded as a widow in the Household Grid.	Respondent only person in household, aged 21 in further education/college, coded as single, never married. Receives widows pension/Berevement allowance/Widowed parents allowance. £500 pcm (£6,000 pa). Also receives widow's/ berevement payment lump sum. Amend MarStat to widowed.	DVAge, DHC8a, MarStat, Ben1_5, DB7e, BAmt6, BPd6, Ben6m_3.	MarStat=2 to MarStat=5
691	Ben1Q	Respondent is recorded as receiving Widows Pension, but this stops at the age of 65.	--	--	--
692	Ben1Q	Respondent is recorded as receiving Widows Pension, but this stops at the age of 65.	--	--	--
693	Ben1Q	Partner is recorded as receiving Widows Pension, but this stops at the age of 65.	--	--	--
694	Ben1Q	Partner is recorded as receiving Widows Pension, but this stops at the age of 65.	--	--	--
695	Ben1Q	Respondent and partner are both receiving Widows Pension, but this stops at the age of 65.	--	--	--
696	Ben1Q	Unusual for men to receive Widows Benefits.	--	--	--
697	Ben1Q	Unusual for men to receive Widows Benefits.	--	--	--
698	Ben1Q	Unusual for men to receive Widows Benefits.	--	--	--
699	Ben1Q	Respondent recorded as receiving Severe Disablement Allowance, but not recorded as being out of work.	--	--	--
702	DisBen	Respondent claims DLA mobility but over 80.	--	--	--
703	DisBen	Respondent claims DLA mobility but over 80.	--	--	--
704	DisBen	Partner claims DLA mobility but over 80.	--	--	--
705	DisBen	Partner claims DLA mobility but over 80.	--	--	--
707	DisBen	Respondent claims DLA mobility but over 65.	Aged 68 and receives DLA Mobility. No further information.	DVAge, DisBen_2, DB8b	No change.
707	DisBen	Respondent claims DLA mobility but over 65.	Aged 68 and receives DLA Mobility and DLA Care £226 pcm. No further information	DVAge, BAmtDK9, BPd9, BAmtDK8, BPd8, CombAm, ComBPd	No change

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
708	DisBen	Partner claims DLA mobility but over 65.	Aged 66 and receives DLA Mobility £120 pcm. No further information	DVAge2, DB8b, BAmt9, BPd9	No change.
709	DisBen	Partner claims DLA mobility but over 65.	Aged 66 and receives DLA Mobility £120 pcm. No further information	DVAge2, DB8b, BAmt9, BPd9	No change.
710	DisBen	Respondent or spouse/partner receiving DLA but no one in the household with disability.	Spouse/partner receives DLA. No reported long-standing health problem or disability. No further information.	DisBen_2, DB8b, DC1_17	No change.
711	DisBen	Respondent or spouse/partner receiving DLA but no one in the household with disability.	--	--	--
716	Ben2Q	People who are looking for work would normally be receiving JSA, not income support.	Receives income support £69 pw. Unemployed and seeking work. No further information.	Ben2_3, BAmt13, BPd13, DHC8a	No change.
717	Ben2Q	Respondent is coded as working and receiving JSA.	--	--	--
718	Ben2Q	Partner is coded as working and receiving JSA.	--	--	--
719	Ben2Q	Respondent is coded as working more than 15 hours per week and receiving JSA.	--	--	--
720	Ben2Q	Partner is coded as working more than 15 hours per week and receiving JSA.	--	--	--
721	Ben2Q	Respondent receiving both JSA and Income Support.	--	--	--
722	Ben2Q	Partner receiving both JSA and Income Support.	--	--	--
723	Ben2Q	Both respondent and partner receiving both JSA and Income Support.	--	--	--
724	Ben2Q	Respondent is self-employed and receiving JSA.	--	--	--
725	Ben2Q	Partner is self-employed and receiving JSA	Coded as self-employed at DHC8b and Stat. Works 2 hours pw. Receives JSA £29 pw. No further information	DHC8b, Stat, DIN7, BAMt11, BPd11	No change.
726	Ben2Q	Partner is working and receiving JSA.	--	--	--
727	Ben2Q	Partner is working and receiving JSA.	--	--	--
728	Ben2Q	Repondent is working and receiving JSA.	--	--	--
729	Ben2Q	Repondent is working and receiving JSA.	--	--	--

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
730	Ben2Q	Partner is self-employed and receiving JSA	--	--	--
731	Ben2Q	Partner is self-employed and receiving JSA	--	--	--
732	Ben2Q	Respondent or partner is working and receiving JSA.	--	--	--
733	Ben2Q	Respondent or partner is working and receiving JSA.	--	--	--
734	Ben2Q	Respondent and/or partner is self-employed and receiving JSA.	--	--	--
735	Ben2Q	Respondent receiving both Incapacity Benefit and RP.	--	--	--
736	Ben2Q	Partner receiving both Incapacity Benefit and Retirement pension	Aged 62. Receives Retirement pension £82.05 pw and income support £12 pw. No further information	DVAge2, BAMt4, BPd4, BAmt13, BPd13	No change.
737	Ben2Q	Respondent receiving both Statutory Sick Pay and Incapacity Benefit.	--	--	--
738	Ben2Q	Partner receiving both Statutory Sick Pay and Incapacity Benefit.	--	--	--
739	Ben2Q	Respondent receiving both Incapacity Benefit and Severe Disablement Allowance.	Aged 59, permanently sick/disabled. Coded as having some long-term health problems/ disabilities. Receives Severe Disablement allowance combined with DLA mobility. Also receives DLA care and Incapacity Benefit. No further information.	DVAge, DHC8a, DC1_1, Ben1_7, DB7g, DisBen_2, DB8b, DisBen_1, DB8a, Ben2_4, DB9c	No change
740	Ben2Q	Partner receiving both Incapacity Benefit and Severe Disablement Allowance.	Aged 59, permanently sick/disabled. Receives Severe Disablement allowance and Incapacity Benefit and Industrial Injury Benefit. No further information.	DVAge2, DHC8b, Ben1_7, DB7g, Ben2_4, DB9c, Ben2_6, DB9e	No change
741	TxCred	WTC received but no children and Keyhouseholder doesnt work for 30 or more hours pw.	Working Tax Credit received: £62 every 4 weeks £806 pa. Received by respondent only. Works 37 hours pw. No children recorded. No further information.	TxCred_1, BAMt18, BPd18, DB10d, DIN7	No change
742	TxCred	WTC received and Keyhouseholder doesnt work for 16 or more hours pw.	Works 13 hours and 10 hours in 2 jobs, totalling 23 hours pw.	TxCred_1, DIN7, DIN29	No change.
743	TxCred	Child Tax Credit received but no child under 19 in the household.	--	--	--
744	Inclus	Key householder or partner receiving Statutory Maternity Pay but neither is working.	--	--	--
745	Ben2Q	Coded as working and receiving Maternity Allowance at the same time.	Works full-time at DHC8a and is on Maternity leave at DIN1. Receives Maternity Allowance and Statutory Maternity pay	DHC8a, DIN1, MatAll_1, MatAll_2	No change.

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
746	MatAll	Coded as receiving Maternity Allowance and Statutory Maternity Pay at the same time.	Receives Maternity Allowance £404 pa and Statutory Maternity pay £5,252 pa. No further information.	MatAll_1, BAmt15, BPd15, MatAll_2, BAmt21, BPd21	No change.
747	Ben1Q	Coded as receiving Guardians Allowance but not claiming Child Benefit.	--	--	--
748	Winter	Not old enough to be eligible for Winter Fuel Payment.	--	--	--
749	Winter	Not old enough to be eligible for Winter Fuel Payment.	--	--	--
750	Winter	Not old enough to be eligible for Winter Fuel Payment.	--	--	--
751	Winter	Not old enough to be eligible for Winter Fuel Payment.	--	--	--
752	Ben6m	In receipt of child maintenance bonus and/or lone-parent benefit run-on but no children.	--	--	--
780	ComBAM	Only 1 benefit recorded as being paid in combination.	Income support received but amount unknown and said to be paid in combination. Amend Income support to amount unknown but not paid in combination.	Ben2_3, BAmt13, BPd13,	BAmtDK2=1 to BAmtDK2=2
781	QWintAm	Winter fuel payments over 200 per year, check that person is over 80.	£300 pa. Aged 85. Expected amount.	BAmt31, BPd31, DVAge	No change.
782	QWintAm	Winter fuel payments over 300 per year.	--	--	--
783	QBenAm	Child Benefit outside minimum amount 16.50 and maximum amount 104.90 per week.	--	--	--
784	QCBenAm.BPd	Unexpected Child Benefit amount.	£64.20 every 4 weeks = £16.05 pw. 1 child aged 9 years. Expected amount.	Ben1_1, BAmt, BPd, DVAge3	No change.
785	QCBenAm	Child Benefit outside minimum amount 16.50 and maximum amount 104.90 per week.	--	--	--
786	QDLAMob	DLA Mobility payment outside expected weekly values of 41.05 or 15.55.	--	--	--
787	QDLACrAm	DLA Care outside expected weekly values of 58.80, 39.95 or 15.55.	--	--	--
788	QAtAllAm	Attendance Allowance outside weekly values of 58.80 or 39.35.	--	--	--
789	QCBenAm.Bmt	Range check. Child benefit less than or equal to 780 a year. Check number of children and whether lone parent.	£64.20 pcm = £770.40 pa. 2 children aged between 13 to 18 years (employed part-time). Amend to £64.20 pcm (£16.05 pw).	Ben1_1, BAmt, BPd, DVAge, DVAge2, DVAge3, DVAge4, Marstat, DHC8c, DHC8d	BPd=5 to BPd=4

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
790	QCBenAm.Bmt	Range check. Child benefit greater than or equal to 1976 a year. Check number of children and whether lone parent.	£154.40 per 4 weeks = £2,007.20pa. 3 children aged between 9 and 11 years.	BAmt, BPd, DVAge3, DVAge4, DVAge5,	No change
791	QMatAlAm.Bmt	Range check. Maternity Allowance less than or equal to 196 a year.	--	--	--
792	QMatAlAm.Bmt	Range check. Maternity Allowance greater than or equal to 7,200 a year.	--	--	--
793	QNIPenAm.Bmt	Range check. Pension less than or equal to 2,111 a year.	£23 pw = £1,196 pa. Also receives occupational pension £3,084 pa.	DB7d, BAmt4, BPd4, DB17a, DB17ba, DB17ca	No change.
793	QNIPenAm.Bmt	Range check. Pension less than or equal to 2,111 a year.	£80 every 4 weeks = £1,040 pa. Retired but doing some work, works full-time, earning £24,000 pa.	DB7d, BAmt4, BPd4, DIN1, DIN4, DIN5	No change
794	QNIPenAm.Bmt	Range check. Pension greater than or equal to 8,684 a year.	£222.52 pw = £11,571.04 pa.	BAmt4, BPd4	No change.
794	QNIPenAm.Bmt	Range check. Pension greater than or equal to 8,684 a year.	£188 pw = £9,776 pa. Spouse only receives retirement pension.	DB7d, BAmt4, BPd4	No change.
795	QMatStAm.Bmt	Range check. Statutory Maternity Pay less than or equal to 1,040 a year.	--	--	--
796	QMatStAm.Bmt	Range check. Statutory Maternity Pay greater than or equal to 25,200 a year.	--	--	--
797	QOthBAm.Bmt	Range check. Other benefit less than or equal to 339 a year.	Child maintenance bonus. £10 one off payment.	BAmt37, BPd37	No change.
798	QOthBAm.Bmt	Range check. Other benefit greater than or equal to 10,230 a year.	--	--	--
799	QWidowAm.Bmt	Range check. Widows benefit less than or equal to 100 a year.	--	--	--
800	QWidowAm.Bmt	Range check. Widows benefit greater than or equal to 8,788 a year.	--	--	--
801	QIncapAm.Bmt	Range check. Incapacity benefit less than or equal to 1144 a year.	£70 pcm = £840 pa. No further information.	BAmt14, BPd14	No change.
802	QIncapAm.Bmt	Range check. Incapacity benefit greater than or equal to 10,000 a year.	£335 per 2 weeks = £8,710 pa. No further information.	BAmt14, BPd14	No change.
803	QDLACrAm.Bmt	Range check. DLA Care less than or equal to 672 a year.	--	--	--
804	QDLACrAm.Bmt	Range check. DLA Care greater than or equal to 4,633 a year.	£213.80 pw = £11,117.60 pa. Interviewer note: Total for DLA - Care & Mobility. Amend DLA Care amount unknown as paid in combination with DLA Mobility.	DisBen_1, DB8a, BAmt9, BPd9, BAmtDK, ComBAm, ComBPd	BAmt9=213.80 to BAmt9=DK, BAmtDK9=1, ComBAm=DK to ComBAm=213.80

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
805	QDLAMob.Bmt	Range check. DLA Mobility less than or equal to 728 a year.	£0 recorded. Interviewer note: included in mobility payment, unable to separate payments. Receives £249 every 4 weeks for DLA Care. Amend to receiving DLA Care and Mobility combined.	BAmt9, BPd9, BAmtDK9, BAmt10, BPd10, BAmtDK10, ComBAm, ComBPd	BAmt9=249 to BAmt9=DK, BAmtDK9=1, BAmt10=0 to BAmt10=DK, BAmtDK10=1, ComBAm=249, ComBPd=4
806	QDLAMob.Bmt	Range check. DLA Mobility greater than or equal to 5,616 a year.	--	--	--
808	QInDisAm.Bmt :	Range check. Industrial injuries disablement benefit less than or equal to 100 a year.	Received by partner. £1 per other period. Interviewer note: would not accept 0 for this question although respondent's husband is the person who gets this allowance not her. I got over this by entering £1. This appears to be a routing error, currently under investigation by DD- MRJ 01/02/2006	Ben2_6, DB9e, BAmt16, BPd16	No change
809	QInDisAm.Bmt :	Range check. Industrial injuries disablement benefit greater than or equal to 10,000 a year.	--	--	--
810	QICareAm.Bmt :	Range check. Invalid Care Allowance less than or equal to 1,258 a year.	£75.80 pcm = £910. pa. No further information.	BAmt3, BPd3	No change.
811	QICareAm.Bmt	Range check. Invalid Care Allowance greater than or equal to 3,803 a year.	£75.80 pw = £3,941.60 pa. No further information.	BAmt3, BPd3	No change.
812	QSDisAm.Bmt	Range check. Severe Disablement Benefit less than or equal to 270 a year.	--	--	--
813	QSDisAm.Bmt	Range check. Severe Disablement Benefit greater than or equal to 4,446 a year.	£145 pw = £7,540 pa. Also receives DLA Care £2,769 pa.	BAmt7, BPd7, BAmt8, BPd8	No change
814	QSickAm.Bmt :	Range check. Statutory Sick Pay less than or equal to 1,752 a year.	£57.58 pcm = £702.84 pa. No further information.	BAmt20, BPd20	No change
815	QSickAm.Bmt :	Range check. Statutory Sick Pay greater than or equal to 6,130 a year.	--	--	--
816	QWarnPnAm.Bmt	Range check. War Disablement Benefit less than or equal to 256 a year.	--	--	--
817	QWarnPnAm.Bmt	Range check. War Disablement Benefit greater than or equal to 10,000 a year.	--	--	--
818	QAtAllAm.Bmt	Range check. Attendance Allowance less than or equal to 1,432 a year.	--	--	--

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
819	QAtAllAm.Bmt	Range check. Attendance Allowance greater than or equal to 4,436 a year.	--	--	--
849	HBen	Respondent/partner receives Income support so likely to receive HB but none recorded.	--	--	--
855	DST3	Annual amount is more than 3000 per year.	£1,040 x 10 instalments = £10,400 pa. Receives CT rebate £520 x 10 instalments = £5,200 pa. Amend to £104 and rebate £52.	xCTAmt, xCTTime, xCTReb, xCTRebAm, xCTRebPd	xCTAmt=1,040 to xCTAmt=104, xCTRebAm=520 to xCTRebAm=52
855	DST3	Annual amount is more than 3000 per year.	£1,200 x 10 instalments = £12,200 pa. Amend to £120 x 10 instalments pa.	xCTAmt, xCTTime, xCTReb	xCTAmt=1,200 xCTAmt=120
856	DST3	Range check. Council Tax is less than lowest charge.	CT: £81 x 10 = £810 pa. No CT rebate received.	xCTAmt, xCTTime, xCTReb	No change.
856	xCtAmt	Range check. Council Tax is less than lowest charge.	CT: £1 pa. No CT rebate received. Interviewer note: paid by landlord. Amend Council tax to Don't know.	xCTAmt, xCTTime, xCTReb	xCTAmt = 1 to xCTAmt = DK
900		Total benefits received greater than 16,000 per annum.	--	--	--
911	DMB16	One person in household so cannot be getting dig money from others.	--	--	--
912	DBM17aa	Range check. Occupational pension is less than or equal to 100 per year.	£8 pcm = £96 pa. Also receives retirement pension £4,800 pa.	DB17ba, DB17ca, BAmt4, BPd4	No change.
913	DBM17aa	Range check. Occupational pension is greater than or equal to 18000 per year.	£25,000 pa. Retired legal advisor.	DB17ba, DB17ca	No change.
914	DBM17ba	Range check. Annuity or Trust is less than or equal to 100 per year.	£97. No further information.	DB17bb, DB17cb	No change
915	DMB17ba	Range check. Annuity or Trust is greater than or equal to 24,000 per year.	--	--	--
916	DBM17ca	Range check. Maintenance is less than or equal to 100 per year.	£22 pcm = £264 pa. 1 child, aged 7 years.	DB17bc, DB17cc, DVAge2	No change.
917	DBM17ca	Range check. Maintenance is greater than or equal to 10,000 per year.	£700 pcm = £8,400 pa. 2 children, aged 16 and 10 years.	DB16_3, DB17bc, DB17cc, DVAge2, DVAge3	No change.
918	DBM17da	Range check. Rent from property is less than or equal to 100 per year.	--	--	--
919	DBM17da	Range check. Rent from property is greater than or equal to 21,850 per year.	--	--	--
920	DBM17ea	Range check. Dig money is less than or equal to 520 per year.	£10 pw = £520 pa. Son aged 19 resident.	DB17be, DB17ce, DVAge3, R21, R22	No change.

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Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
921	DBM17ea	Range check. Dig money is greater than or equal to 3604 per year.	£80 pw = £4,160 pa. 3 adult children in household, aged 18 to 23 years.	DB17be, DB17ce, DVAge2, DVAge3, DVAge4, R11, R21, R31	No change.
921	DBM17ea	Range check. Dig money is greater than or equal to 3604 per year.	£600 pcm = £7,200 pa. 3 adult children in household, aged 23 to 27 years.	DB17be, DB17ce, DVAge2, DVAge3, DVAge4, R11, R21, R31	No change.
922	DBM17fa	Range check. Accident or Sickness scheme is less than or equal to 884 per year.	--	--	--
923	DBM17fa	Range check. Accident or Sickness scheme is greater than or equal to 16,800 per year.	--	--	--
924	DBM17ga	Range check. Investment income is less than or equal to 20 per year.	£1 pa. No further information.	DB17bg, DB17cg	No change.
925	DBM17ga	Range check. Investment income is greater than or equal to 8000 per year.	£10,000 pa. Received by spouse/partner only. Household monthly income over £2,000.	DB17g, DB17bg, DB17cg, DB18a	No change.
925	DBM17ga	Range check. Investment income is greater than or equal to 8000 per year.	£7,000 pcm = £84,000 pa. Received by respondent only. Household monthly income = £1,600-£1,999. Amend to £700 pcm.	DB17g, DB17bg, DB17cg, DB18a	DB17bg=7,000 to DB17bg=700
926	DBM17ha	Range check. Student Loan is less than or equal to 1191 per year.	£500 pa. Weekly household income under £200.	DB16_8, DB17h, DB17bh, DB17ch, DB18	No change
927	DBM17ha	Range check. Student Loan is greater than or equal to 10,610 per year.	--	--	--
928	DBM17ia	Range check. Student grant is less than or equal to 97 per year.	--	--	--
929	DBM17ia	Range check. Student grant is more than or equal to 10,200 per year.	--	--	--
930	DBM17ja	Range check. Non work income is less than or equal to 100 per year.	--	--	--
931	DBM17ja	Range check. Non work income is greater than or equal to 21,730 per year.	--	--	--
950	NumDwel	Should be original estimate of number of dwellings.	--	--	--
951	DwelSel	Should be dwelling number selected at Kish Grid.	--	--	--
952	TypDwell	Not made contact with the selected dwelling entered but completed questions in main survey.	--	--	--
953	TypDwell	Dwelling coded as occupied and contacted but outcome code of the main survey is a non-contact.	--	--	--

Check	Variable	Query/ Error	Information/ case checked	Variables checked	Decision made
954	TypDwell	Unusually large number of primary households.	--	--	--
955	SecHome	Response expected if household has more than one home.	--	--	--

### 12.7 Changes to the Social Interview Blaise CAPI Questionnaire

Month	Change to be made	Question	Block
Oct-05	Increase the size of Hhldrname from 10 to 16	HhldrNme	QKeyHH.SHC
Oct-05	Increase the size of the KeyHH, KeyHHPt from 10 to 17. Flag for no partner changes from 11 to 17.	KeyHH,KeyHHPt	QKeyHH.SHC
Oct-05	Change array size to match harmonised block (10 to 16)	HhldrNme	QPrefAcc.SHC
Oct-05	Block changed for harmonisation. Array of 10 changed to array of 16		QTBENamt4.shc changed to QBenAmt3.HAR
Nov-05	Marker for "no partner" changed from 11 to 17		Qbenefit2.shc:
Nov-05	Marker for "no partner" changed from 11 to 17		QIncoth.shc:
Nov-05	Marker for "no partner" changed from 11 to 17		QRespndt1.shc:
Nov-05	Changed from DMNumNam to HhldrNme to stop scrolling problem	Respndt	QRespndt1.shc:
Jan-06	Civil partnerships introduced	Marstat changed to MarSta xMarSta used LiveWith changed to LivWth	QAskrel2a, QFamunit3.har, QRespndt1.SHC, QKeyHH.SHC, Qincome.SHC, QRelgrid2a.SHC, QTHComp3a.SHC
Jan-06	The block was introduced in April 04, used a local variable in the harmonised version. This was not understood by the researcher, and the value of LTBenCnt was never assigned a value. I removed references to the local and used Respndt, KeyHH or KeyHHPT numbers instead		QBenefit2.SHC
Jan-06	Code 612 (issued but not attempted) was previously commented out. I restored it.		QIncout1.SHC
Jan-06	New version of harmonised types incorporates special SHC types. Types.SHC dropped		Type3.HAR
Jan-06	Option 5 wording was changed in May 05 for some reason. I have now restored it to its original wording.	xDT68	QPrevAdd.SHC
Jan-06	The question did not display the options available on Card J8. I have added HLP text to show options.	DCD1	QDamp1.SHC
Jan-06	Text instructions used to say code "free" and DWP to code 2. As there is a separate code for "free", the text instruction is dropped.	DHT6a	QFBills.SHC QSinBill.SHC
Jan-06	Added 2 new checks on age<16 and gov't scheme; looking after home. ALSO: reorganised references from full block references to simplified local references.	DHC8	QTHcomp3a
Jan-06	Added new variables to record the person number and sex of the respondent's partner	AxNoRespPart AxSexResPart	Qrespndt1.SHC
Jan-06	Amount questions always were directed to person LDM2. This was always the respondent, whereas benefits could go to either respondent or partner. Used new local variables to set correctly.	All benamt questions	Changed QTBENamt3.HAR to QtBenAmt3a.SHC.
Jan-06	Layout changed	DR2	Qrepair.shc
Jan-06	The question did not display the options available on Card M8. I have added HLP text to show options.	DBM15	QIncOth.SHC

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Month	Change to be made	Question	Block
Feb-06	The routing in this block was wrong because an ENDIF was missing after QFunrIAmt. This error was introduced in April 05 and persisted until this month. Amounts for the specified questions were not asked unless a funeral amount was given	QMatGrAm QCCareAm QWintAm QBWorkAm QExtPaAm QWidPaAm QChMaiAm QLoneRAm QOthBAm	QBenAmt3b.SHC
Apr-06	All options were not appearing on screen	DR2	Qrepair.shc
Apr-06	Combined benefits had not been appearing since April 05. They were inadvertently removed at that time. QWorkFam and back-to-Work Bonus both dropped (no longer available) Benefits uprated from April 06. Questions about combined benefits added; Flags to determine whether to ask combined benefits (DVTCOM) made more consistent.	ComBAm, ComBPd, CombWk Added; DVTCOM	QBenamt3.SHC
Jun-06	Because of a logic hole, the text fill was sometimes left blank. Changed the logic.	DR2	Qrepair.SHC

## 12.8 Social Validation Checks (Manipula)

Check No.	Description of check or error
1	'DHC8 : This man is over 65 & should be retired.'
1	'Section 1. Questionnaire not yet completed'))
2	'DHC8 : This woman is over 60 & should be retired.'
3	'DHC8 : This man is under 65 & should not be retired.'
4	'DHC8 : This woman is under 60 & should not be retired.'
5	'DHC8 : This man is over 65 & should not be unemployed.'
6	'DHC8 : This woman is over 60 & should not be unemployed.'
7	'DHC8 : This man is over 65 & should not be self employed.'
8	'DHC8 : This woman is over 60 & should not be self employed.'
11	'DHC8 : This person is younger than 16 & should not be in further ed.'
13	'DHC8 : This person is older than 18 & should not be in further ed.'
15	'DHC8 : This person is over 18 & should not be in school.'
17	'DHC8 : This child is under 4 & should not be in school.'
19	'DHC8 : This child is over 5 & should not be in pre-school.'
20	'DHC8 : This man is younger than 16 & should not be self employed.'
21	'DHC8 : This woman is younger than 16 & should not be self employed.'
22	'DHC8 : This man is younger than 16 & should not be in FT employment.'
23	'DHC8 : This woman is younger than 16 & should not be in FT employment.'
24	'DHC8 : This man is younger than 16 & should not be in PT employment.'
25	'DHC8 : This woman is younger than 16 & should not be in PT employment.'
26	'DHC8 : This man is younger than 16 & should not be unemployed/seeking work.'
27	'DHC8 : This woman is younger than 16 & should not be unemployed/seeking work.'
28	'DHC8 : This man is younger than 16 & should not be unable to work due to illness or injury.'
29	'DHC8 : This woman is younger than 16 & should not be unable to work due to illness or injury.'
30	'MarStat : Only one adult in household. Cannot be married and living with spouse.'
31	'MarStat : Odd number of married partners. Check MarStat and LiveWith.'
40	'TAskRel9 : A parent is usually 15+ years older than their child.'
41	'TAskRel10 : A step-parent is usually older than their step-child.'
42	'TAskRel11 : A parent-in-law is usually older than their child-in-law.'
43	'TAskRel9 : A parent is usually 15+ years older than their child.'
46	'TAskRel12 : A grand-parent is usually 30+ years older than their grand-child.'
47	'TAskRel12 : A grand-parent is usually 30+ years older than their grand-child.'
49	'TAskRel18 : This person is coded as cohabiting, but is under 16.'
50	'TAskRel21 : Person is a spouse, but both partners are not married within thehouse.'
51	'TAskRel22 : This person is coded as married, but is under 16.'
59	'KeyHH : Key Householder is less than 16 years of age.'
60	'DT8 : Interview terminated as KeyHH not lived here for 3 months or more. Check case is eligible.'
60	'HRPPart : HRP is coded as married and living with spouse, but then coded as having no partner.'
61	'KeyhhPt : Information in the household grid suggests the key householder doesnot have a spouse/partner.'
62	'KeyhhPt : Information in the household grid suggests the key householder doeshave a spouse/partner.'
63	'KeyhhPt : The number you have entered is not a valid member of the household.'
64	'KeyhhPt : Person identified as key householders partner is not coded as married or cohabiting in household grid.'
65	'Keyhhpt : Person identified as key householders partner is less than 16 yearsold.'
71	'RFrom : Recorded as Married but no spouse in relationship grid.'
72	'DHC12 : More than one household at this dwelling recorded, but then said no one else lives in home. Inconsistent. Check.'
73	'DHC13 : You cannot code none and any other response.'
74	'DHC14 : Number of people in home is equal to or less than the number of people in household but there are others living there.'

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Check No.	Description of check or error
78	AccOth : Accommodation is a caravan. Check for eligibility and possibly replace case.')
79	'DT13 : Cannot be rent-free if landlord is local council or housing association. Amend.')
80	'DT13 : If respondent has mortgage please code as Own.')
81	'DT13 : If respondent doesnt pay rent please code as Own.')
83	'DT28 : Other coded - ' + QInter.QTenure.QLandlrd.DT28a)
84	'DT30 : Other coded - ' + QInter.QTenure.QLandlrd.DT30a)
85	'DT35 : Other coded - ' + QInter.QTenure.QOwners.DT35a)
86	'DT37 : Recorded that property bought from the local council but NOT that property previously owned by Council.')
87	'DT37 : Recorded that property bought from the local council but NOT that property previously owned by Council.')
88	'DT38Y : Respondent started renting this property before they were 16 years old.')
89	'DT39Y : Respondent started owning this property before they were 16 years old.')
90	'DT46 : Other coded - ' + QInter.QTenure.QNeighb.DT46a)
91	'DT47 : Other coded - ' + QInter.QTenure.QNeighb.DT47a)
92	'DT47 : Other coded - ' + QInter.QTenure.QNeighb.DT47b)
93	'DT47 : Other coded - ' + QInter.QTenure.QNeighb.DT47c)
94	'DT51 : These codes only apply to those living in flats.')
95	'DT51 : These codes only apply to those living in flats.')
99	'xDT68 : Other coded - ' + QInter.QTenure.QPrevAdd.xDT68oth)
100	'DT69 : Other coded - ' + QInter.QTenure.QPrevAdd.DT69a)
101	'DT70 : Other coded - ' + QInter.QTenure.QPrevAdd.DT70a)
102	'DT71 : Other coded - ' + QInter.QTenure.QPrevAdd.DT71a)
104	'DT61d : Sufficient postcode information was previously entered. Full or Sufficient postcode given expected.')
105	'DT61d : Insufficient postcode information was previously entered.')
106	'DT61d : Insufficient postcode information was previously entered.')
108	'DPF1 : Other coded - ' + QInter.QPrefAcc.DPF1a)
109	'DPF7 : Other coded - ' + QInter.QPrefAcc.DSPEC7)
110	'DPF8b : Other coded - ' + QInter.QPrefAcc.DPF8b1)
111	'DPF8c : Other coded - ' + QInter.QPrefAcc.DPF8c1)
113	'DPF4 : Detached house and already live in it is coded but does not match type of house coded earlier.')
114	'DPF4 : Preferred accomodation is semidetached house and already live in it but does not match type of house coded earlier.')
116	'DPF4 : Preferred accomodation is bungalow and already live in it but does not match type of house coded earlier.')
130	'DT48 : Response coded that was not mentioned at DT47.')
200	'DR2 : Entryphone generally applies to flats.')
203	'DR19 : Range check. Total annual spend on repairs was less than 50.')
204	'DR19 : Range check. Total annual spend on repairs was greater than 8,000.')
205	'DR3a : Some repair costs grouped together. Manual range check on figures required.')
206	'DR19 : Total spent on repairs is less than the individual cost of repairs minus any grants received.')
351	'DR22 : Other coded - ' + QInter.QRepair.Qneedrep.DSPEC22)
352	'DHT14 : Other coded - ' + QInter.QUtility.DSPEC14)
353	'DHT1 : No kitchen at this address.')
354	'DHT1 : No bathroom at this address.')
355	'DHT1 : No bedroom at this address.')
356	'DHT1 : No main bedroom but another bedroom.')
357	'DHT1 : 3rd bedroom, but no 2nd bedroom.')
358	'DHT1 : Public room but not main living room.')
359	'DHT5 : Electricity not selected as fuel type.')
360	'DHT5 : More than 4 types of fuel are used for lighting/heating/power.')
361	'DHT5a : One fuel at DHT5 so should have selected Only one type of fuel at DHT5a.')
362	'DHT14 : No central heating at DHT14; but central heating at DHT2.')

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Check No.	Description of check or error
370	'DHT5b : There should be more than one fuel bill in a single group.')
371	'DHT6b : Less than 10 entered.')
372	'DHT6b : Less than 10 entered.')
373	'DHT6b : Less than 10 entered.')
374	'DHT6b : Less than 10 entered.')
375	'DHT6b : Less than 10 entered.')
376	'DHT6b : Less than 10 entered.')
377	'DHT6b : Less than 10 entered.')
378	'DHT6b : Less than 10 entered.')
379	'DHT6b : Bill for fuels paid together is less than 300 per year.')
380	'DHT6b : Bill for fuels paid together is more than 1358 per year.')
381	'DHT6b : Enter amount given at DHT6a but no amount given at DHT6b. Amend.')
400	'DHT6b : Less than 10 entered.')
401	'DHT6b : Less than 10 entered.')
402	'DHT6b : Less than 10 entered.')
403	'DHT6b : Less than 10 entered.')
409	'DHT6b : Range check. Cost of gas is less than 168 a year.')
410	'DHT6b : Less than 10 entered.')
410	'DHT6b : Range check. Cost of electricity is less than 160 a year.')
410	'DHT6b : Range check. Cost of heating oil is less than 300 a year.')
411	'DHT6b : Range check. Cost of solid fuel is less than 40 a year.')
412	'DHT6b : Range check. Cost of bottled gas is less than 15 a year.')
413	'DHT6b : Range check. Cost of propane gas is less than 43 a year.')
414	'DHT6b : Range check. Cost of paraffin is less than 3.8 a year.')
415	'DHT6b : Range check. Cost of other fuel is less than 4.6 a year.')
415	'DHT6b : Range check. Solid fuel less than 40 per year.')
416	'DHT6b : Range check. Cost of electricity is more than 1200 a year.')
417	'DHT6b : Range check. Cost of gas is more than 936 a year.')
418	'DHT6b : Range check. Cost of heating oil is more than 1800 a year.')
419	'DHT6b : Range check. Cost of solid fuel is more than 1248 a year.')
420	'DHT6b : Range check. Cost of bottled gas is more than 600 a year.')
421	'DHT6b : Range check. Cost of propane gas is more than 2806 a year.')
422	'DHT6b : Range check. Cost of paraffin is more than 2400 a year.')
423	'DHT6b : Range check. Cost of other fuel is more than 1300 a year.')
425	'DHT6b : Range check. Electricity less than 160 per year.')
426	'DHT6b : Range check. Gas less than 168 per year.')
427	'DHT6b : Range check. Gas less than 168 per year.')
428	'DHT6b : Range check. Oil less than 300 per year.')
429	'DHT6b : Range check. Oil less than 300 per year.')
430	'DHT6b : Range check. Oil less than 300 per year.')
431	'DHT6b : Range check. Solid fuel less than 40 per year.')
432	'DHT6b : Range check. Solid fuel less than 40 per year.')
433	'DHT6b : Range check. Solid fuel less than 40 per year.')
434	'DHT6b : Range check. Bottled Gas less than 15 per year.')
436	'DHT6b : Range check. Bottled Gas less than 15 per year.')
437	'DHT6b : Range check. Bottled Gas less than 15 per year.')
438	'DHT6b : Range check. Bottled Gas less than 15 per year.')
439	'DHT6b : Range check. Bottled Gas less than 15 per year.')
440	'DHT6b : Range check. Liquid Propane Gas less than 43 per year.')
441	'DHT6b : Range check. Liquid Propane Gas less than 43 per year.')
442	'DHT6b : Range check. Liquid Propane Gas less than 43 per year.')

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Check No.	Description of check or error
443	'DHT6b : Range check. Liquid Propane Gas less than 43 per year.')
444	'DHT6b : Range check. Liquid Propane Gas less than 43 per year.')
445	'DHT6b : Range check. Liquid Propane Gas less than 43 per year.')
446	'DHT6b : Range check. Electricity more than 1200 per year.')
447	'DHT6b : Range check. Gas more than 936 per year.')
448	'DHT6b : Range check. Gas more than 936 per year.')
449	'DHT6b : Range check. Oil more than 1800 per year.')
450	'DHT6b : Range check. Oil more than 1800 per year.')
451	'DHT6b : Range check. Oil more than 1800 per year.')
452	'DHT6b : Range check. Solid fuel more than 1248 per year.')
453	'DHT6b : Range check. Solid fuel more than 1248 per year.')
454	'DHT6b : Range check. Solid fuel more than 1248 per year.')
455	'DHT6b : Range check. Solid fuel more than 1248 per year.')
456	'DHT6b : Range check. Bottled Gas more than 600 per year.')
457	'DHT6b : Range check. Bottled Gas more than 600 per year.')
458	'DHT6b : Range check. Bottled Gas more than 600 per year.')
459	'DHT6b : Range check. Bottled Gas more than 600 per year.')
460	'DHT6b : Range check. Bottled Gas more than 600 per year.')
461	'DHT6b : Range check. Liquid Propane Gas more than 2806 per year.')
462	'DHT6b : Range check. Liquid Propane Gas more than 2806 per year.')
463	'DHT6b : Range check. Liquid Propane Gas more than 2806 per year.')
464	'DHT6b : Range check. Liquid Propane Gas more than 2806 per year.')
465	'DHT6b : Range check. Liquid Propane Gas more than 2806 per year.')
466	'DHT6b : Range check. Liquid Propane Gas more than 2806 per year.')
467	'DHT6b : Enter amount given at DHT6a but no amount given at DHT6b. Amend.')
470	'DCD5 : Other coded '-' + QInter.QDamp.DCD5a)
471	'DCD1 : The respondent said there were some problems with damp and condensation.')
472	'DCC6 : Other coded '-' + QInter.QDisable.DSPEC6)
473	'DCC8a : Other coded '-' + QInter.QDisable.DSPEC8a)
474	'DCC8b : Other coded '-' + QInter.QDisable.DSPEC8b)
475	'DCC10 : Other coded '-' + QInter.QDisable.DSPEC10a)
475	'DCC10 : Other coded '-' + QInter.QDisable.DSPEC10b)
475	'DCC10 : Other coded '-' + QInter.QDisable.DSPEC10c)
476	'DCC11 : Other coded '-' + QInter.QDisable.DSPEC11a)
476	'DCC11 : Other coded '-' + QInter.QDisable.DSPEC11b)
476	'DCC11 : Other coded '-' + QInter.QDisable.DSPEC11c)
499	'DCC2 : Other coded '-' + QInter.QDisable.QADAPT[loop].DSPEC2)
500	'DCC3 : Other coded '-' + QInter.QDisable.QADAPT[loop].DSPEC3)
501	'DHE8 : Age of first asthma attack is greater than respondents current age.')
502	'DHE12 : Age of most recent asthma attack is greater than respondents current age.')
503	'DHE11/12 : Respondent was older at first asthma attack than most recent attack.')
504	'DHE12 : Age is not within 12 months of the age of respondent.')
507	'Wrking : Recorded earlier that respondent in paid work.')
508	'Wrking : Recorded earlier that respondent was unemployed.')
509	'Stat : Recorded as self-employed earlier. Inconsistent.')
510	'Stat : Recorded as full-time employee earlier. Inconsistent.')
511	'Stat : Recorded as part-time employee earlier. Inconsistent.')
512	'FtPtWk : Recorded as being in full-time employment earlier. Inconsistent.')
513	'FtPtWk : Recorded as being in part-time employment earlier. Inconsistent.')
518	'DVUSHr : KeyHH coded as working part-time but work more than 30 hours.')
519	'DVUSHr : KeyHH coded as working full-time but work less than 30 hours.')

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Check No.	Description of check or error
520	'Usuhr : Overtime hours equal or exceed basic hours.')
521	'Usuhr : Overtime hours equal or exceed basic hours.')
523	'DOH11 : Other coded -' + QInter.QHomeOwn.DOH11a)
530	'DOH15 : borrowed more for property than they did in total.')
532	'DOH14a : borrowed more for property and repairs than did in total.')
534	'DOH20 : Has had current mortgage for less than 5 years but has less than 5 years to run.')
536	'DOH22 : Monthly mortgage of more than 1,500.')
537	'DOH24 : Total monthly loan and endowment payment of less than 100.')
539	'DOH6 : Range check. House price before discount less than or equal to 14,000.')
540	'DOH6 : Range check. House price before discount more than or equal to 50,000.')
541	'DOH7 : Range check. Percentage discount less than or equal to 30 per cent.')
542	'DOH7 : Range check. Percentage discount greater than or equal to 75 per cent.')
543	'DOH8 : Range check. House price after discount less than or equal to 5,000.')
544	'DOH8 : Range check. House price after discount more than or equal to 25,000.')
545	'DOH9 : Range check. House price less than or equal to 5,000.')
546	'DOH9 : Range check. House price more than or equal to 140,000.')
547	'DOH10 : Range check. Amount could sell house for less than or equal to 35,000.')
548	'DOH10 : Range check. Amount could sell house for more than or equal to 250,000.')
549	'DOH14a : Range check. Amount borrowed including repairs less than or equal to 9,000.')
550	'DOH14a : Range check. Amount borrowed including repairs more than or equal to 85,000.')
551	'DOH15a : Range check. Amount borrowed for purchase less than or equal to 6,210.')
552	'DOH15a : Range check. Amount borrowed for purchase more than or equal to 55,000.')
553	'DOH16a : Range check. Amount borrowed for repairs less than or equal to 1,000.')
554	'DOH16a : Range check. Amount borrowed for repairs more than or equal to 20,000.')
555	'DOH17 : Range check. Total amount borrowed less than or equal to 5,000.')
556	'DOH17 : Range check. Total amount borrowed more than or equal to 91,000.')
557	'DOH22 : Range check. Monthly mortgage payment less than or equal to 10.')
558	'DOH22 : Range check. Monthly mortgage payment more than or equal to 650.')
559	'DOH24 : Range check. Monthly endowment payment less than or equal to 10.')
560	'DOH24 : Range check. Monthly endowment payment more than or equal to 200.')
561	'DOH26 : Range check. Mortgage insurance less than or equal to 7.')
562	'DOH26 : Range check. Mortgage insurance more than or equal to 100.')
563	'DOH6 : House price before discount is less than price after discount.')
564	'DOH11 : No mortgage or loan to buy property but have one outstanding.')
569	'xRent : Respondent said they lived rent free, but paying rent.')
570	'Rebate : Respondent said they lived rent free but they receive 100% Housing Benefit.')
571	'xRent : Respondent said they paid rent but have recorded £0 rent.')
574	'xRent : Monthly rent after benefit more than 400.')
575	'HBenAmt : Amount paid after HB is greater or equal to amount before HB is deducted.')
576	'HBenAmt : Amount paid after HB is greater or equal to amount before HB is deducted.')
577	'HBenAmt : Amount paid after HB is greater or equal to amount before HB is deducted.')
578	'HBenAmt : Amount paid after HB is greater or equal to amount before HB is deducted.')
579	'HBenAmt : Amount paid after HB is greater or equal to amount before HB is deducted.')
580	'HBenAmt : Amount paid after HB is greater or equal to amount before HB is deducted.')
581	'xRent/HBen : Time periods are different and amount paid after HB MAY be >= before HB is deducted.')
582	'xRent : Range check. Rent before HB is equal to or less than 1,500 per year.')
583	'xRent : Range check. Rent before HB is equal to or greater than 4,800 per year.')
584	'xRent : Range check. Rent after HB is equal to or less than 73 per year.')
585	'DRH6a : Range check. Rent after HB is equal to or greater than 2,452 per year.')
587	'xRent : Range check. Rent before HB is equal to or greater than 4,800 per year.')
587	'xRent : Range check. Rent before HB is equal to or less than 1,500 per year.')

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Check No.	Description of check or error
588	DIN1 : Respondent is over retirement age and receives pension, but not coded as retired or not working.)
589	DIN1 : Respondent is over retirement age and receives pension, but not coded as retired or not working.)
589	DIN35 : Partner is over retirement age and receives pension, but not coded as retired or not working.)
590	DIN35 : Partner is over retirement age and receives pension, but not coded as retired or not working.)
591	DIN1 : Partner is over retirement age and receives pension, but not coded as retired or not working.)
591	'DIN1 : Respondent is over retirement age and receives pension, but not coded as retired or not working.)
599	'DIN1 : No response at DIN1. Check this is a complete interview.)
600	'DIN1 : Not in paid work entered but earlier working was coded.)
601	'DIN1 : In paid work entered but earlier said were not working.)
602	'DIN1 : Retired but doing some work entered but earlier said permanently retired.)
603	'DIN1 : Retired but doing some work entered but are aged under 60 years.)
604	'DIN1 : Maternity leave entered but male.)
605	'DIN1 : Student entered but earlier said that were not in education.)
606	'DIN3a/b : Employee entered but earlier said that self-employed.)
607	'DIN3a/b : Self-employed entered but earlier said employed.)
608	'DIN5 : Income works out to be more than 50,000 per year.)
609	'DIN5 : Income works out to be less than 5,000 per year.)
610	'DIN9 : Income works out to be more than 50,000 per year.)
611	'DIN9 : Income works out to be less than 5,000 per year.)
612	'DIN13 : Income works out to be more than 50,000 per year.)
613	'DIN13 : Income works out to be less than 5,000 per year.)
614	'DIN17 : Income works out to be more than 50,000 per year.)
615	'DIN17 : Income works out to be less than 5,000 per year.)
616	'DIN21 : Income works out to be more than 50,000 per year.)
617	'DIN21 : Income works out to be less than 5,000 per year.)
618	'DIN25 : Number of hours worked is more than 100.)
619	'DIN24 : Income of more than 50,000 per year.)
620	'DIN24 : Income of less than 5,000 per year.)
621	'DIN27 : Income works out to be more than 50,000 per year.)
622	'DIN27 : Income works out to be less then 5,000 per year.)
623	'DIN31 : Income works out to be more than 50,000 per year.)
624	'DIN31 : Income works out to be less than 5,000 per year.)
625	'DIN35 : Spouse/partner not in paid work but earlier said that they were working.)
626	'DIN35 : Spouse/partner not in paid work but earlier said that they were working.)
627	'DIN35 : Spouse/partner is in paid work but earlier said that they were not working.)
628	'DIN35 : Spouse/partner is in paid work but earlier said that they were not working.)
629	'DIN35 : Maternity leave, but they are not female!)
630	'DIN35 : Maternity leave, but they are not female!)
631	'DIN35 : Spouse/partner is retired but doing some work, but earlier said that permanently retired.)
632	'DIN35 : Spouse/partner is retired but doing some work, but earlier said that permanently retired.)
635	'DIN35 : Student entered but earlier said they were not in education.)
636	'DIN38 : Spouse/partner is an employee but earlier said that they were not.)
637	'DIN38 : Spouse/partner is an employee but earlier said that they were not.)
638	'DIN38 : Spouse/partner is self-employed but earlier said they were not self-employed.)
639	'DIN38 : Spouse/partner is self-employed but earlier said they were not self-employed.)
640	'DIN40 : Income works out to be more than 50,000 per year.)
641	'DIN40 : Income works out to be less than 5,000 per year.)
642	'DIN45 : Income works out to be more than 50,000 per year.)
643	'DIN45 : Income works out to be less than 5,000 per year.)
644	'DIN49 : Income works out to be more than 50,000 per year.)
645	'DIN49 : Income works out to be less than 5,000 per year.)

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Check No.	Description of check or error
646	'DIN53 : Income works out to be more than 50,000 per year.'
647	'DIN53 : Income works out to be less than 5,000 per year.'
648	'DIN57 : Income works out to be more than 50,000 per year.'
649	'DIN57 : Income works out to be less than 5,000 per year.'
650	'DIN60 : Income of more than 50,000 per year.'
651	'DIN60 : Income of less than 5,000 per year.'
652	'DIN61 : Number of hours worked is more than 100.'
653	'DIN63 : Income works out to be more than 50,000 per year.'
654	'DIN63 : Income works out to be less then 5,000 per year.'
655	'DIN64 : Income works out to be more than 50,000 per year.'
656	'DIN67 : Income works out to be less than 5,000 per year.'
657	'DIN7 : Respondent coded as working part-time but working more than 30 hours.'
658	'DIN27 : Income works out to be more than 50,000 per year.'
658	'DIN7 : Respondent coded as working full-time but working less than 30 hours.'
659	'DIN27 : Income works out to be less then 5,000 per year.'
659	'DIN42 : Partner coded as working full-time but working less than 30 hours.'
660	'DIN42 : Partner coded as working full-time but working less than 30 hours.'
660	'DIN63 : Income works out to be more than 50,000 per year.'
661	'DIN63 : Income works out to be less then 5,000 per year.'
662	'DIN1 : Check why Other Working recorded at DIN1.'
662	'DIN35 : Check why Other Working recorded at DIN35.'
663	'DIN8a : Enter amount given at DIN8a but no amount given at DIN8b. Amend.'
664	'DIN20a : Enter amount given at DIN20a but no amount given at DIN20b. Amend.'
665	'DIN4a : Enter amount given at DIN44a but no amount given at DIN4b. Amend.'
666	'DIN56a : Enter amount given at DIN56a but no amount given at DIN56b. Amend.'
680	'Ben1Q : Not in receipt of child benefit but are recorded as having children.'
681	'Ben1Q : Not in receipt of child benefit but someone 18 or under and in Further Ed recorded at DHC8.'
682	'Ben1Q : To receive Child Benefit there should be a dependent child in the household.'
683	'Ben1Q : Respondent receiving both Retirement Pension/Old Persons Pension and Widows Pension.'
684	'Ben1Q : Partner/spouse receiving both Retirement Pension/Old Persons Pension and Widows Pension.'
685	'Ben1Q : Both the respondent and the partner/spouse receiving both RP/Old Persons Pension and Widows Pension.'
688	'Ben1Q : Retirement Pension coded but respondent is under retirement age.'
689	'Ben1Q : Retirement Pension coded but neither respondent or partner are below retirement age.'
690	'Ben1Q : respondent is recorded receiving Widows Benefit, but not coded as a widow in the Household Grid.'
691	'Ben1Q : Respondent is recorded as receiving Widows Pension, but this stops at the age of 65.'
692	'Ben1Q : Respondent is recorded as receiving Widows Pension, but this stops at the age of 65.'
693	'Ben1Q : Partner is recorded as receiving Widows Pension, but this stops at the age of 65.'
694	'Ben1Q : Partner is recorded as receiving Widows Pension, but this stops at the age of 65.'
695	'Ben1Q : Respondent and partner are both receiving Widows Pension, but this stops at the age of 65.'
696	'Ben1Q : Unusual for men to receive Widows Benefits.'
697	'Ben1Q : Unusual for men to receive Widows Benefits.'
698	'Ben1Q : Unusual for men to receive Widows Benefits.'
699	'Ben1Q : Respondent recorded as receiving Severe Disablement Allowance, but not recorded as being out of work.'
702	'DisBen : Respondent claims DLA mobility but over 80.'
703	'DisBen : Respondent claims DLA mobility but over 80.'
704	'DisBen : Partner claims DLA mobility but over 80.'
705	'DisBen : Partner claims DLA mobility but over 80.'
707	'DisBen : Respondent claims DLA mobility but over 65.'
708	'DisBen : Partner claims DLA mobility but over 65.'
709	'DisBen : Partner claims DLA mobility but over 65.'

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Check No.	Description of check or error
710	'DisBen : Respondent or spouse/partner receiving DLA but no one in the household with disability.')
711	'DisBen : Respondent or spouse/partner receiving DLA but no one in the household with disability.')
717	'Ben2Q : Respondent is coded as working and receiving JSA.')
718	'Ben2Q : Partner is coded as working and receiving JSA.')
719	'Ben2Q : Respondent is coded as working more than 15 hours per week and receiving JSA.')
720	'Ben2Q : Partner is coded as working more than 15 hours per week and receiving JSA.')
721	'Ben2Q : Respondent receiving both JSA and Income Support.')
722	'Ben2Q : Partner receiving both JSA and Income Support.')
723	'Ben2Q : Both respondent and partner receiving both JSA and Income Support.')
724	'Ben2Q : Respondent is self-employed and receiving JSA.')
725	'Ben2Q : Partner is self-employed and receiving JSA.')
726	'Ben2Q : Partner is working and receiving JSA.')
727	'Ben2Q : Partner is working and receiving JSA.')
728	'Ben2Q : Respondent is working and receiving JSA.')
729	'Ben2Q : Respondent is working and receiving JSA.')
730	'Ben2Q : Partner is self-employed and receiving JSA.')
731	'Ben2Q : Partner is self-employed and receiving JSA.')
732	'Ben2Q : Respondent or partner is working and receiving JSA.')
733	'Ben2Q : Respondent or partner is working and receiving JSA.')
734	'Ben2Q : Respondent and/or partner is self-employed and receiving JSA.')
735	'Ben2Q : Respondent receiving both Incapacity Benefit and RP.')
736	'Ben2Q : Partner receiving both Incapacity Benefit and RP.')
737	'Ben2Q : Respondent receiving both Statutory Sick Pay and Incapacity Benefit.')
738	'Ben2Q : Partner receiving both Statutory Sick Pay and Incapacity Benefit.')
739	'Ben2Q : Respondent receiving both Incapacity Benefit and Severe Disablement Allowance.')
740	'Ben2Q : Partner receiving both Incapacity Benefit and Severe Disablement Allowance.')
741	'TxCred : WTC received but no children and Keyhouseholder doesn't work for 30 or more hours a week.')
742	'TxCred : WTC received and Keyhouseholder doesn't work for 16 or more hours per week. Check partner.')
743	'TxCred : Child Tax Credit received but no child under 19 in the household.')
744	'Inclus : Key householder or partner receiving Statutory Maternity Pay but neither is working.')
745	'Ben2Q : Coded as working and receiving Maternity Allowance at the same time.')
746	'MatAll : Coded as receiving Maternity Allowance and Statutory Maternity Pay at the same time.')
747	'Ben1Q : Coded as receiving Guardians Allowance but not claiming Child Benefit.')
748	'Winter : Not old enough to be eligible for Winter Fuel Payment.')
749	'Winter : Not old enough to be eligible for Winter Fuel Payment.')
750	'Winter : Not old enough to be eligible for Winter Fuel Payment.')
751	'Winter : Not old enough to be eligible for Winter Fuel Payment.')
752	'Ben6m : In receipt of child maintenance bonus and/or lone-parent benefit run-on but no children.')
780	'AXNCobBen : Only 1 benefit recorded as being paid in combination.')
780	'ComBAm : Only 1 benefit recorded as being paid in combination.')
781	'QWintAm : Winter fuel payments over 200 per year, check that person is over 80.')
781	'QWintAm : Winter fuel payments over 200 per year. Check that one person in household is over 80.')
782	'QWintAm : Winter fuel payments over 300 per year.')
783	'QCBenAm : Child Benefit outside minimum amount 16.50 and maximum amount 104.90 per week.')
784	'QCBenAm.BPd : Unexpected Child Benefit amount.')
785	'QCBenAm : Child Benefit outside minimum amount 16.50 and maximum amount 104.90 per week.')
786	'QDLAMob : DLA Mobility payment outside expected weekly values of 41.05 or 15.55.')
787	'QDLACrAm : DLA Care outside expected weekly values of 58.80, 39.35 or 15.55.')
788	'QAtAllAm : Attendance Allowance outside expected weekly values of 58.80 or 39.35.')
789	'QCBenAm.Bmt : Range check. Child benefit less than or equal to 780 a year. Check number of children and whether lone parent.')

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Check No.	Description of check or error
790	'QCBenAm.Bmt : Range check. Child benefit greater than or equal to 1976 a year. Check number of children and whether lone parent.'
791	'QMatAlAm.Bmt : Range check. Maternity Allowance less than or equal to 196 a year.'
792	'QMatAlAm.Bmt : Range check. Maternity Allowance greater than or equal to 7,200 a year.'
793	'QNIPenAm.Bmt : Range check. Pension less than or equal to 2,111 a year.'
794	'QNIPenAm.Bmt : Range check. Pension greater than or equal to 8,684 a year.'
795	'QMatStAm.Bmt : Range check. Statutory Maternity Pay less than or equal to 1,040 a year.'
796	'QMatStAm.Bmt : Range check. Statutory Maternity Pay greater than or equal to 25,200 a year.'
797	'QOthBAm.Bmt : Range check. Other benefit less than or equal to 339 a year.'
798	'QOthBAm.Bmt : Range check. Other benefit greater than or equal to 10,230 a year.'
799	'QWidowAm.Bmt : Range check. Widows benefit less than or equal to 100 a year.'
800	'QWidowAm.Bmt : Range check. Widows benefit greater than or equal to 8,788 a year.'
801	'QIncapAm.Bmt : Range check. Incapacity benefit less than or equal to 1144 a year.'
802	'QIncapAm.Bmt : Range check. Incapacity benefit greater than or equal to 10,000 a year.'
803	'QDLACrAm.Bmt : Range check. DLA Care less than or equal to 672 a year.'
804	'QDLACrAm.Bmt : Range check. DLA Care greater than or equal to 4,633 a year.'
805	'QDLAMob.Bmt : Range check. DLA Mobility less than or equal to 728 a year.'
806	'QDLAMob.Bmt : Range check. DLA Mobility greater than or equal to 5,616 a year.'
808	'QInDisAm.Bmt : Range check. Industrial injuries disablement benefit less than or equal to 100 a year.'
809	'QInDisAm.Bmt : Range check. Industrial injuries disablement benefit greater than or equal to 10,000 a year.'
810	'QICareAm.Bmt : Range check. Carer's Allowance less than or equal to 1,258 a year.'
811	'QICareAm.Bmt : Range check. Invalid Care Allowance greater than or equal to 3,803 a year.'
812	'QSDisAm.Bmt : Range check. Severe Disablement Benefit less than or equal to 270 a year.'
813	'QSDisAm.Bmt : Range check. Severe Disablement Benefit greater than or equal to 4,446 a year.'
814	'QSickAm.Bmt : Range check. Statutory Sick Pay less than or equal to 1,752 a year.'
815	'QSickAm.Bmt : Range check. Statutory Sick Pay greater than or equal to 6,130 a year.'
816	'QWarPnAm.Bmt : Range check. War Disablement Benefit less than or equal to 256 a year.'
817	'QWarPnAm.Bmt : Range check. War Disablement Benefit greater than or equal to 10,000 a year.'
818	'QAtAllAm.Bmt : Range check. Attendance Allowance less than or equal to 1,432 a year.'
819	'QAtAllAm.Bmt : Range check. Attendance Allowance greater than or equal to 4,436 a year.'
849	'HBen : Respondent/Partner receives Income Support so likely to receive HB but none recorded.'
855	'xCTAmt : Annual amount is more than 3000 per year.'
856	'xCtAmt : Range check. Council Tax is less than lowest charge.'
900	'Total benefits received greater than 16000 per annum.'
910	'DBM16 : Other coded -' + QInter.QIncOth.DBM16a)
911	'DMB16 : One person household so cannot be getting dig money from others.'
912	'DBM17aa : Range check. Occupational pension is less than or equal to 100 per year.'
913	'DBM17aa : Range check. Occupational pension is greater than or equal to 18,000 per year.'
914	'DBM17ba : Range check. Annuity or Trust is less than or equal to 100 per year.'
915	'DBM17ba : Range check. Annuity or Trust is greater than or equal to 24,000 per year.'
916	'DBM17ca : Range check. Maintenance is less than or equal to 100 per year.'
917	'DBM17ca : Range check. Maintenance is greater than or equal to 10,000 per year.'
918	'DBM17da : Range check. Rent from property is less than or equal to 100 per year.'
919	'DBM17da : Range check. Rent from property is greater than or equal to 21,850 per year.'
920	'DBM17ea : Range check. Dig money is less than or equal to 520 per year.'
921	'DBM17ea : Range check. Dig money is greater than or equal to 3604 per year.'
922	'DBM17fa : Range check. Accident or Sickness scheme is less than or equal to 884 per year.'
923	'DBM17fa : Range check. Accident or Sickness scheme is greater than or equal to 16800 per year.'
924	'DBM17ga : Range check. Investment income is less than or equal to 20 per year.'
925	'DBM17ga : Range check. Investment income is greater than or equal to 8000 per year.'
926	'DBM17ha : Range check. Student Loan is less than or equal to 1191 per year.'

Check No.	Description of check or error
927	'DBM17ha : Range check. Student Loan is greater than or equal to 10610 per year.')
928	'DBM17ia : Range check. Student grant is less than or equal to 97 per year.')
929	'DBM17ia : Range check. Student grant is greater than or equal to 10200 per year.')
930	'DBM17ja : Range check. Non work income is less than or equal to 100 per year.')
931	'DBM17ja : Range check. Non work income is greater than or equal to 21,730 peryear.')
950	'NumDwel : Should be original estimate of number of dwellings.')
951	'DwelSel : Should be dwelling number selected at Kish Grid.')
952	'TypDwell : Not made contact with the selected dwelling entered but completed questions in main survey.')
953	'TypDwell : Dwelling coded as occupied and contacted but outcome code of the main survey is a non-contact.')
954	'TypDwell : Unusually large number of primary households.')
955	'SecHome : Response expected if household has more than one home.')

### 12.9 Monthly changes to Blaise and SPSS variables

Major changes to the structure of the Blaise questionnaire took place in January 2006. This was prompted by the introduction of civil partnerships in the UK and the wish to introduce this status on all ONS surveys from that date. As part of the introduction some new harmonised blocks and variables were introduced, superseding previous ones.

In April 06, changes were made to the benefit block to restore combined benefit amounts, which had been inadvertently dropped in April 05.

The tables below identify the block and variable changes from month to month. Because of the nature of the conversion of data from Blaise to SPSS, changes in the order of Blaise variables may sometimes result in changes to SPSS variables. These are also identified in the tables below.

Oct-05 to Nov-05

No changes

Nov-05 to Jan-06

Period: 511			Period: 601			Matching	
Block	Variable	SPSS	Block	Variable	SPSS	Variablesame	SPSSSame
			QHComp[01]	xMarSta	xMarSta	FALSE	FALSE
QHComp[01]	MarStat	MarStat	QHComp[01]	MarSta	MarSta	FALSE	FALSE
QHComp[01]	LiveWith	LiveWith	QHComp[01]	LivWth	LivWth	FALSE	FALSE
QHComp[01]	DVMarDF	DVMarDF	QHComp[01]	DVMrDF	DVMrDF	FALSE	FALSE
			QHComp[02]	xMarSta	xMarSta2	FALSE	FALSE
QHComp[02]	MarStat	MarStat2	QHComp[02]	MarSta	MarSta2	FALSE	FALSE

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Period: 511			Period: 601			Matching Variablesame	
Block	Variable	SPSS	Block	Variable	SPSS	e	SPSSSame
QHComp[02]	LiveWith	LiveWit2	QHComp[02]	LivWth	LivWth2	FALSE	FALSE
QHComp[02]	DVMarDF	DVMarDF2	QHComp[02]	DVMrDF	DVMrDF2	FALSE	FALSE
			QHComp[03]	xMarSta	xMarSta3	FALSE	FALSE
QHComp[03]	MarStat	MarStat3	QHComp[03]	MarSta	MarSta3	FALSE	FALSE
QHComp[03]	LiveWith	LiveWit3	QHComp[03]	LivWth	LivWth3	FALSE	FALSE
QHComp[03]	DVMarDF	DVMarDF3	QHComp[03]	DVMrDF	DVMrDF3	FALSE	FALSE
			QHComp[04]	xMarSta	xMarSta4	FALSE	FALSE
QHComp[04]	MarStat	MarStat4	QHComp[04]	MarSta	MarSta4	FALSE	FALSE
QHComp[04]	LiveWith	LiveWit4	QHComp[04]	LivWth	LivWth4	FALSE	FALSE
QHComp[04]	DVMarDF	DVMarDF4	QHComp[04]	DVMrDF	DVMrDF4	FALSE	FALSE
			QHComp[05]	xMarSta	xMarSta5	FALSE	FALSE
QHComp[05]	MarStat	MarStat5	QHComp[05]	MarSta	MarSta5	FALSE	FALSE
QHComp[05]	LiveWith	LiveWit5	QHComp[05]	LivWth	LivWth5	FALSE	FALSE
QHComp[05]	DVMarDF	DVMarDF5	QHComp[05]	DVMrDF	DVMrDF5	FALSE	FALSE
			QHComp[06]	xMarSta	xMarSta6	FALSE	FALSE
QHComp[06]	MarStat	MarStat6	QHComp[06]	MarSta	MarSta6	FALSE	FALSE
QHComp[06]	LiveWith	LiveWit6	QHComp[06]	LivWth	LivWth6	FALSE	FALSE
QHComp[06]	DVMarDF	DVMarDF6	QHComp[06]	DVMrDF	DVMrDF6	FALSE	FALSE
			QHComp[07]	xMarSta	xMarSta7	FALSE	FALSE
QHComp[07]	MarStat	MarStat7	QHComp[07]	MarSta	MarSta7	FALSE	FALSE
QHComp[07]	LiveWith	LiveWit7	QHComp[07]	LivWth	LivWth7	FALSE	FALSE
QHComp[07]	DVMarDF	DVMarDF7	QHComp[07]	DVMrDF	DVMrDF7	FALSE	FALSE
			QHComp[08]	xMarSta	xMarSta8	FALSE	FALSE
QHComp[08]	MarStat	MarStat8	QHComp[08]	MarSta	MarSta8	FALSE	FALSE
QHComp[08]	LiveWith	LiveWit8	QHComp[08]	LivWth	LivWth8	FALSE	FALSE
QHComp[08]	DVMarDF	DVMarDF8	QHComp[08]	DVMrDF	DVMrDF8	FALSE	FALSE
			QHComp[09]	xMarSta	xMarSta9	FALSE	FALSE
QHComp[09]	MarStat	MarStat9	QHComp[09]	MarSta	MarSta9	FALSE	FALSE
QHComp[09]	LiveWith	LiveWit9	QHComp[09]	LivWth	LivWth9	FALSE	FALSE

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Period: 511			Period: 601			Matching	
Block	Variable	SPSS	Block	Variable	SPSS	Variablesame	SPSSSame
QHComp[09]	DVMarDF	DVMarDF9	QHComp[09]	DVMrDF	DVMrDF9	FALSE	FALSE
			QHComp[10]	xMarSta	xMarSt10	FALSE	FALSE
QHComp[10]	MarStat	MarSta10	QHComp[10]	MarSta	MarSta10	FALSE	TRUE
QHComp[10]	LiveWith	LiveWi10	QHComp[10]	LivWth	LivWth10	FALSE	FALSE
QHComp[10]	DVMarDF	DVMarD10	QHComp[10]	DVMrDF	DVMrDF10	FALSE	FALSE
			QHComp[11]	xMarSta	xMarSt11	FALSE	FALSE
QHComp[11]	MarStat	MarSta11	QHComp[11]	MarSta	MarSta11	FALSE	TRUE
QHComp[11]	LiveWith	LiveWi11	QHComp[11]	LivWth	LivWth11	FALSE	FALSE
QHComp[11]	DVMarDF	DVMarD11	QHComp[11]	DVMrDF	DVMrDF11	FALSE	FALSE
			QHComp[12]	xMarSta	xMarSt12	FALSE	FALSE
QHComp[12]	MarStat	MarSta12	QHComp[12]	MarSta	MarSta12	FALSE	TRUE
QHComp[12]	LiveWith	LiveWi12	QHComp[12]	LivWth	LivWth12	FALSE	FALSE
QHComp[12]	DVMarDF	DVMarD12	QHComp[12]	DVMrDF	DVMrDF12	FALSE	FALSE
			QHComp[13]	xMarSta	xMarSt13	FALSE	FALSE
QHComp[13]	MarStat	MarSta13	QHComp[13]	MarSta	MarSta13	FALSE	TRUE
QHComp[13]	LiveWith	LiveWi13	QHComp[13]	LivWth	LivWth13	FALSE	FALSE
QHComp[13]	DVMarDF	DVMarD13	QHComp[13]	DVMrDF	DVMrDF13	FALSE	FALSE
			QHComp[14]	xMarSta	xMarSt14	FALSE	FALSE
QHComp[14]	MarStat	MarSta14	QHComp[14]	MarSta	MarSta14	FALSE	TRUE
QHComp[14]	LiveWith	LiveWi14	QHComp[14]	LivWth	LivWth14	FALSE	FALSE
QHComp[14]	DVMarDF	DVMarD14	QHComp[14]	DVMrDF	DVMrDF14	FALSE	FALSE
			QHComp[15]	xMarSta	xMarSt15	FALSE	FALSE
QHComp[15]	MarStat	MarSta15	QHComp[15]	MarSta	MarSta15	FALSE	TRUE
QHComp[15]	LiveWith	LiveWi15	QHComp[15]	LivWth	LivWth15	FALSE	FALSE
QHComp[15]	DVMarDF	DVMarD15	QHComp[15]	DVMrDF	DVMrDF15	FALSE	FALSE
			QHComp[16]	xMarSta	xMarSt16	FALSE	FALSE
QHComp[16]	MarStat	MarSta16	QHComp[16]	MarSta	MarSta16	FALSE	TRUE
QHComp[16]	LiveWith	LiveWi16	QHComp[16]	LivWth	LivWth16	FALSE	FALSE
QHComp[16]	DVMarDF	DVMarD16	QHComp[16]	DVMrDF	DVMrDF16	FALSE	FALSE

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Period: 511			Period: 601			Matching	
Block	Variable	SPSS	Block	Variable	SPSS	Variablesame	SPSSsame
			QTHComp	NumCivPtr	NumCivPt	FALSE	FALSE
			QTHComp	AxChild[01]	AxChil01	FALSE	FALSE
			QTHComp	AxChild[02]	AxChil02	FALSE	FALSE
			QTHComp	AxChild[03]	AxChil03	FALSE	FALSE
			QTHComp	AxChild[04]	AxChil04	FALSE	FALSE
			QTHComp	AxChild[05]	AxChil05	FALSE	FALSE
			QTHComp	AxChild[06]	AxChil06	FALSE	FALSE
			QTHComp	AxChild[07]	AxChil07	FALSE	FALSE
			QTHComp	AxChild[08]	AxChil08	FALSE	FALSE
			QTHComp	AxChild[09]	AxChil09	FALSE	FALSE
			QTHComp	AxChild[10]	AxChil10	FALSE	FALSE
			QTHComp	AxChild[11]	AxChil11	FALSE	FALSE
			QTHComp	AxChild[12]	AxChil12	FALSE	FALSE
			QTHComp	AxChild[13]	AxChil13	FALSE	FALSE
			QTHComp	AxChild[14]	AxChil14	FALSE	FALSE
			QTHComp	AxChild[15]	AxChil15	FALSE	FALSE
			QTHComp	AxChild[16]	AxChil16	FALSE	FALSE
			QTHComp	AxSChild[01]	AxSChi01	FALSE	FALSE
			QTHComp	AxSChild[02]	AxSChi02	FALSE	FALSE
			QTHComp	AxSChild[03]	AxSChi03	FALSE	FALSE
			QTHComp	AxSChild[04]	AxSChi04	FALSE	FALSE
			QTHComp	AxSChild[05]	AxSChi05	FALSE	FALSE
			QTHComp	AxSChild[06]	AxSChi06	FALSE	FALSE
			QTHComp	AxSChild[07]	AxSChi07	FALSE	FALSE
			QTHComp	AxSChild[08]	AxSChi08	FALSE	FALSE
			QTHComp	AxSChild[09]	AxSChi09	FALSE	FALSE
			QTHComp	AxSChild[10]	AxSChi10	FALSE	FALSE
			QTHComp	AxSChild[11]	AxSChi11	FALSE	FALSE
			QTHComp	AxSChild[12]	AxSChi12	FALSE	FALSE

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Period: 511			Period: 601			Matching	
Block	Variable	SPSS	Block	Variable	SPSS	Variablesame	SPSSSame
			QTAskRel	AxSChild[13]	AxSChi13	FALSE	FALSE
			QTAskRel	AxSChild[14]	AxSChi14	FALSE	FALSE
			QTAskRel	AxSChild[15]	AxSChi15	FALSE	FALSE
			QTAskRel	AxSChild[16]	AxSChi16	FALSE	FALSE
			QIndOut	ParentA[01]	Parent01	FALSE	FALSE
			QFamUnit	ParentA[02]	Parent02	FALSE	FALSE
			QFamUnit	ParentA[03]	Parent03	FALSE	FALSE
			QFamUnit	ParentA[04]	Parent04	FALSE	FALSE
			QFamUnit	ParentA[05]	Parent05	FALSE	FALSE
			QFamUnit	ParentA[06]	Parent06	FALSE	FALSE
			QFamUnit	ParentA[07]	Parent07	FALSE	FALSE
			QFamUnit	ParentA[08]	Parent08	FALSE	FALSE
			QFamUnit	ParentA[09]	Parent09	FALSE	FALSE
			QFamUnit	ParentA[10]	Parent10	FALSE	FALSE
			QFamUnit	ParentA[11]	Parent11	FALSE	FALSE
			QFamUnit	ParentA[12]	Parent12	FALSE	FALSE
			QFamUnit	ParentA[13]	Parent13	FALSE	FALSE
			QFamUnit	ParentA[14]	Parent14	FALSE	FALSE
			QFamUnit	ParentA[15]	Parent15	FALSE	FALSE
			QFamUnit	ParentA[16]	Parent16	FALSE	FALSE
			QFamUnit	ParentB[01]	Parent17	FALSE	FALSE
			QFamUnit	ParentB[02]	Parent18	FALSE	FALSE
			QFamUnit	ParentB[03]	Parent19	FALSE	FALSE
			QFamUnit	ParentB[04]	Parent20	FALSE	FALSE
			QFamUnit	ParentB[05]	Parent21	FALSE	FALSE
			QFamUnit	ParentB[06]	Parent22	FALSE	FALSE
			QFamUnit	ParentB[07]	Parent23	FALSE	FALSE
			QFamUnit	ParentB[08]	Parent24	FALSE	FALSE
			QFamUnit	ParentB[09]	Parent25	FALSE	FALSE

Period: 511			Period: 601			Matching	
Block	Variable	SPSS	Block	Variable	SPSS	Variablesame	SPSSSame
			QFamUnit	ParentB[10]	Parent26	FALSE	FALSE
			QFamUnit	ParentB[11]	Parent27	FALSE	FALSE
			QFamUnit	ParentB[12]	Parent28	FALSE	FALSE
			QFamUnit	ParentB[13]	Parent29	FALSE	FALSE
			QFamUnit	ParentB[14]	Parent30	FALSE	FALSE
			QFamUnit	ParentB[15]	Parent31	FALSE	FALSE
			QFamUnit	ParentB[16]	Parent32	FALSE	FALSE

Jan-06 to Feb-06

No Changes

Feb-06 to Apr-06

Period: 602			Period: 604			Matching	
Block	Variable	SPSS	Block	Variable	SPSS	Variablesame	SPSSSame
QWorkFam	BAmt	BAmt17				FALSE	FALSE
QWorkFam	BAmtDK	BAmtDK17				FALSE	FALSE
QWorkFam	BPd	BPd17				FALSE	FALSE
QWorkFam	NumWks	NumWks17				FALSE	FALSE
QWorkFam	RcptNow	RcptNo17				FALSE	FALSE
QWTC	BAmt	BAmt18	QWTC	BAmt	BAmt17	TRUE	FALSE
QWTC	BAmtDK	BAmtDK18	QWTC	BAmtDK	BAmtDK17	TRUE	FALSE
QWTC	BPd	BPd18	QWTC	BPd	BPd17	TRUE	FALSE
QWTC	NumWks	NumWks18	QWTC	NumWks	NumWks17	TRUE	FALSE
QWTC	RcptNow	RcptNo18	QWTC	RcptNow	RcptNo17	TRUE	FALSE
QCTC	BAmt	BAmt19	QCTC	BAmt	BAmt18	TRUE	FALSE

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Period: 602			Period: 604			Matching	
Block	Variable	SPSS	Block	Variable	SPSS	Variablesame	SPSSSame
QCTC	BAmtDK	BAmtDK19	QCTC	BAmtDK	BAmtDK18	TRUE	FALSE
QCTC	BPd	BPd19	QCTC	BPd	BPd18	TRUE	FALSE
QCTC	NumWks	NumWks19	QCTC	NumWks	NumWks18	TRUE	FALSE
QCTC	RcptNow	RcptNo19	QCTC	RcptNow	RcptNo18	TRUE	FALSE
QSickAm	BAmt	BAmt20	QSickAm	BAmt	BAmt19	TRUE	FALSE
QSickAm	BAmtDK	BAmtDK20	QSickAm	BAmtDK	BAmtDK19	TRUE	FALSE
QSickAm	BPd	BPd20	QSickAm	BPd	BPd19	TRUE	FALSE
QSickAm	NumWks	NumWks20	QSickAm	NumWks	NumWks19	TRUE	FALSE
QSickAm	RcptNow	RcptNo20	QSickAm	RcptNow	RcptNo19	TRUE	FALSE
QMatStAm	BAmt	BAmt21	QMatStAm	BAmt	BAmt20	TRUE	FALSE
QMatStAm	BAmtDK	BAmtDK21	QMatStAm	BAmtDK	BAmtDK20	TRUE	FALSE
QMatStAm	BPd	BPd21	QMatStAm	BPd	BPd20	TRUE	FALSE
QMatStAm	NumWks	NumWks21	QMatStAm	NumWks	NumWks20	TRUE	FALSE
QMatStAm	RcptNow	RcptNo21	QMatStAm	RcptNow	RcptNo20	TRUE	FALSE
QPatStAm	BAmt	BAmt22	QPatStAm	BAmt	BAmt21	TRUE	FALSE
QPatStAm	BAmtDK	BAmtDK22	QPatStAm	BAmtDK	BAmtDK21	TRUE	FALSE
QPatStAm	BPd	BPd22	QPatStAm	BPd	BPd21	TRUE	FALSE
QPatStAm	NumWks	NumWks22	QPatStAm	NumWks	NumWks21	TRUE	FALSE
QPatStAm	RcptNow	RcptNo22	QPatStAm	RcptNow	RcptNo21	TRUE	FALSE
QAdpStAm	BAmt	BAmt23	QAdpStAm	BAmt	BAmt22	TRUE	FALSE
QAdpStAm	BAmtDK	BAmtDK23	QAdpStAm	BAmtDK	BAmtDK22	TRUE	FALSE
QAdpStAm	BPd	BPd23	QAdpStAm	BPd	BPd22	TRUE	FALSE
QAdpStAm	NumWks	NumWks23	QAdpStAm	NumWks	NumWks22	TRUE	FALSE
QAdpStAm	RcptNow	RcptNo23	QAdpStAm	RcptNow	RcptNo22	TRUE	FALSE
QTaxRfAm	BAmt	BAmt24	QTaxRfAm	BAmt	BAmt23	TRUE	FALSE
QTaxRfAm	BAmtDK	BAmtDK24	QTaxRfAm	BAmtDK	BAmtDK23	TRUE	FALSE
QTaxRfAm	BPd	BPd24	QTaxRfAm	BPd	BPd23	TRUE	FALSE
QTaxRfAm	NumWks	NumWks24	QTaxRfAm	NumWks	NumWks23	TRUE	FALSE
QTaxRfAm	RcptNow	RcptNo24	QTaxRfAm	RcptNow	RcptNo23	TRUE	FALSE

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Period: 602			Period: 604			Matching	
Block	Variable	SPSS	Block	Variable	SPSS	Variablesame	SPSSSame
QMilAIAm	BAmt	BAmt25	QMilAIAm	BAmt	BAmt24	TRUE	FALSE
QMilAIAm	BAmtDK	BAmtDK25	QMilAIAm	BAmtDK	BAmtDK24	TRUE	FALSE
QMilAIAm	BPd	BPd25	QMilAIAm	BPd	BPd24	TRUE	FALSE
QMilAIAm	NumWks	NumWks25	QMilAIAm	NumWks	NumWks24	TRUE	FALSE
QMilAIAm	RcptNow	RcptNo25	QMilAIAm	RcptNow	RcptNo24	TRUE	FALSE
QMotExAm	BAmt	BAmt26	QMotExAm	BAmt	BAmt25	TRUE	FALSE
QMotExAm	BAmtDK	BAmtDK26	QMotExAm	BAmtDK	BAmtDK25	TRUE	FALSE
QMotExAm	BPd	BPd26	QMotExAm	BPd	BPd25	TRUE	FALSE
QMotExAm	NumWks	NumWks26	QMotExAm	NumWks	NumWks25	TRUE	FALSE
QMotExAm	RcptNow	RcptNo26	QMotExAm	RcptNow	RcptNo25	TRUE	FALSE
QTaxCdAm	BAmt	BAmt27	QTaxCdAm	BAmt	BAmt26	TRUE	FALSE
QTaxCdAm	BAmtDK	BAmtDK27	QTaxCdAm	BAmtDK	BAmtDK26	TRUE	FALSE
QTaxCdAm	BPd	BPd27	QTaxCdAm	BPd	BPd26	TRUE	FALSE
QTaxCdAm	NumWks	NumWks27	QTaxCdAm	NumWks	NumWks26	TRUE	FALSE
QTaxCdAm	RcptNow	RcptNo27	QTaxCdAm	RcptNow	RcptNo26	TRUE	FALSE
QFunrIAm	BAmt	BAmt28	QFunrIAm	BAmt	BAmt27	TRUE	FALSE
QFunrIAm	BAmtDK	BAmtDK28	QFunrIAm	BAmtDK	BAmtDK27	TRUE	FALSE
QFunrIAm	BPd	BPd28	QFunrIAm	BPd	BPd27	TRUE	FALSE
QFunrIAm	NumWks	NumWks28	QFunrIAm	NumWks	NumWks27	TRUE	FALSE
QFunrIAm	RcptNow	RcptNo28	QFunrIAm	RcptNow	RcptNo27	TRUE	FALSE
QMatGrAm	BAmt	BAmt29	QMatGrAm	BAmt	BAmt28	TRUE	FALSE
QMatGrAm	BAmtDK	BAmtDK29	QMatGrAm	BAmtDK	BAmtDK28	TRUE	FALSE
QMatGrAm	BPd	BPd29	QMatGrAm	BPd	BPd28	TRUE	FALSE
QMatGrAm	NumWks	NumWks29	QMatGrAm	NumWks	NumWks28	TRUE	FALSE
QMatGrAm	RcptNow	RcptNo29	QMatGrAm	RcptNow	RcptNo28	TRUE	FALSE
QCCareAm	BAmt	BAmt30	QCCareAm	BAmt	BAmt29	TRUE	FALSE
QCCareAm	BAmtDK	BAmtDK30	QCCareAm	BAmtDK	BAmtDK29	TRUE	FALSE
QCCareAm	BPd	BPd30	QCCareAm	BPd	BPd29	TRUE	FALSE
QCCareAm	NumWks	NumWks30	QCCareAm	NumWks	NumWks29	TRUE	FALSE

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Period: 602			Period: 604			Matching	
Block	Variable	SPSS	Block	Variable	SPSS	Variablesame	SPSSSame
QCCareAm	RcptNow	RcptNo30	QCCareAm	RcptNow	RcptNo29	TRUE	FALSE
QWintAm	BAmt	BAmt31	QWintAm	BAmt	BAmt30	TRUE	FALSE
QWintAm	BAmtDK	BAmtDK31	QWintAm	BAmtDK	BAmtDK30	TRUE	FALSE
QWintAm	BPd	BPd31	QWintAm	BPd	BPd30	TRUE	FALSE
QWintAm	NumWks	NumWks31	QWintAm	NumWks	NumWks30	TRUE	FALSE
QWintAm	RcptNow	RcptNo31	QWintAm	RcptNow	RcptNo30	TRUE	FALSE
QBWorkAm	BAmt	BAmt32				FALSE	FALSE
QBWorkAm	BAmtDK	BAmtDK32				FALSE	FALSE
QBWorkAm	BPd	BPd32				FALSE	FALSE
QBWorkAm	NumWks	NumWks32				FALSE	FALSE
QBWorkAm	RcptNow	RcptNo32				FALSE	FALSE
QExtPaAm	BAmt	BAmt33	QExtPaAm	BAmt	BAmt31	TRUE	FALSE
QExtPaAm	BAmtDK	BAmtDK33	QExtPaAm	BAmtDK	BAmtDK31	TRUE	FALSE
QExtPaAm	BPd	BPd33	QExtPaAm	BPd	BPd31	TRUE	FALSE
QExtPaAm	NumWks	NumWks33	QExtPaAm	NumWks	NumWks31	TRUE	FALSE
QExtPaAm	RcptNow	RcptNo33	QExtPaAm	RcptNow	RcptNo31	TRUE	FALSE
QWidPaAm	BAmt	BAmt34	QWidPaAm	BAmt	BAmt32	TRUE	FALSE
QWidPaAm	BAmtDK	BAmtDK34	QWidPaAm	BAmtDK	BAmtDK32	TRUE	FALSE
QWidPaAm	BPd	BPd34	QWidPaAm	BPd	BPd32	TRUE	FALSE
QWidPaAm	NumWks	NumWks34	QWidPaAm	NumWks	NumWks32	TRUE	FALSE
QWidPaAm	RcptNow	RcptNo34	QWidPaAm	RcptNow	RcptNo32	TRUE	FALSE
QChMaiAm	BAmt	BAmt35	QChMaiAm	BAmt	BAmt33	TRUE	FALSE
QChMaiAm	BAmtDK	BAmtDK35	QChMaiAm	BAmtDK	BAmtDK33	TRUE	FALSE
QChMaiAm	BPd	BPd35	QChMaiAm	BPd	BPd33	TRUE	FALSE
QChMaiAm	NumWks	NumWks35	QChMaiAm	NumWks	NumWks33	TRUE	FALSE
QChMaiAm	RcptNow	RcptNo35	QChMaiAm	RcptNow	RcptNo33	TRUE	FALSE
QLoneRAm	BAmt	BAmt36	QLoneRAm	BAmt	BAmt34	TRUE	FALSE
QLoneRAm	BAmtDK	BAmtDK36	QLoneRAm	BAmtDK	BAmtDK34	TRUE	FALSE
QLoneRAm	BPd	BPd36	QLoneRAm	BPd	BPd34	TRUE	FALSE

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Period: 602			Period: 604			Matching	
Block	Variable	SPSS	Block	Variable	SPSS	Variablesame	SPSSSame
QLoneRAm	NumWks	NumWks36	QLoneRAm	NumWks	NumWks34	TRUE	FALSE
QLoneRAm	RcptNow	RcptNo36	QLoneRAm	RcptNow	RcptNo34	TRUE	FALSE
QOthBAm	BAmt	BAmt37	QOthBAm	BAmt	BAmt35	TRUE	FALSE
QOthBAm	BAmtDK	BAmtDK37	QOthBAm	BAmtDK	BAmtDK35	TRUE	FALSE
QOthBAm	BPd	BPd37	QOthBAm	BPd	BPd35	TRUE	FALSE
QOthBAm	NumWks	NumWks37	QOthBAm	NumWks	NumWks35	TRUE	FALSE
QOthBAm	RcptNow	RcptNo37	QOthBAm	RcptNow	RcptNo35	TRUE	FALSE
			QBenAmt	DVCBen	DVCBen	FALSE	FALSE
			QBenAmt	DVGdAll	DVGdAll	FALSE	FALSE
			QBenAmt	DVICare	DVICare	FALSE	FALSE
			QBenAmt	DVNiPn	DVNiPn	FALSE	FALSE
			QBenAmt	DVUs	DVUs	FALSE	FALSE
			QBenAmt	DVWidow	DVWidow	FALSE	FALSE
			QBenAmt	DVWarPn	DVWarPn	FALSE	FALSE
			QBenAmt	DVSDis	DVSDis	FALSE	FALSE
			QBenAmt	DVDLACr	DVDLACr	FALSE	FALSE
			QBenAmt	DVDLAMob	DVDLAMob	FALSE	FALSE
			QBenAmt	DVATAI	DVATAI	FALSE	FALSE
			QBenAmt	DVJSA	DVJSA	FALSE	FALSE
			QBenAmt	DVPCr	DVPCr	FALSE	FALSE
			QBenAmt	DVInSup	DVInSup	FALSE	FALSE
			QBenAmt	DVICapB	DVICapB	FALSE	FALSE
			QBenAmt	DVMatAI	DVMatAI	FALSE	FALSE
			QBenAmt	DVInDis	DVInDis	FALSE	FALSE
			QBenAmt	DVWTAXC	DVWTAXC	FALSE	FALSE
			QBenAmt	DVCTAXC	DVCTAXC	FALSE	FALSE
			QBenAmt	DVSickP	DVSickP	FALSE	FALSE
			QBenAmt	DVMatS	DVMatS	FALSE	FALSE
			QBenAmt	DVPatS	DVPatS	FALSE	FALSE

Period: 602			Period: 604			Matching	
Block	Variable	SPSS	Block	Variable	SPSS	Variablesame	SPSSSame
			QBenAmt	DVAdopS	DVAdopS	FALSE	FALSE
			QBenAmt	DVTaxRf	DVTaxRf	FALSE	FALSE
			QBenAmt	DVMilAlw	DVMilAlw	FALSE	FALSE
			QBenAmt	DVMotEx	DVMotEx	FALSE	FALSE
			QBenAmt	DVTaxCd	DVTaxCd	FALSE	FALSE
			QBenAmt	DVFunrl	DVFunrl	FALSE	FALSE
			QBenAmt	DVMatGr	DVMatGr	FALSE	FALSE
			QBenAmt	DVCCare	DVCCare	FALSE	FALSE
			QBenAmt	DVWintFL	DVWintFL	FALSE	FALSE
			QBenAmt	DVExtPa	DVExtPa	FALSE	FALSE
			QBenAmt	DVWidPa	DVWidPa	FALSE	FALSE
			QBenAmt	DVChMai	DVChMai	FALSE	FALSE
			QBenAmt	DVLoneR	DVLoneR	FALSE	FALSE
			QBenAmt	DVOthB	DVOthB	FALSE	FALSE
			QBenAmt	DVTCom	DVTCom	FALSE	FALSE
			QBenAmt	ComBAm	ComBAm	FALSE	FALSE
			QBenAmt	ComBPd	ComBPd	FALSE	FALSE
			QBenAmt	ComBWk	ComBWk	FALSE	FALSE

April-06 to May-06

No Changes.

May-06 to June-06

No Changes.

June-06 to July-06

No Changes.

July-06 to Aug-06.

No Changes.

## 12.10 Benefit DVs and derivation

A series of variables was introduced in Year 2 in order to make the relationship between benefit names and corresponding values clearer. Previously, benefits had been identified only as BAmt, Bamt2, etc, and it required special knowledge to associate each *numbered* benefit with a *named* benefit. To resolve this problem, a set of DVs was produced. These DVs would have a meaningful name and would consist of a complete set, one for each benefit. The new DVs show:

- Whether a household is receiving a particular benefit
- The amount of the benefit
- The period the benefit covers
- If the benefit amount is not given, whether that is because the household receives an amount in combination with other benefits or because the respondent simply does not know the amount of the benefit.
- A flag showing whether a benefit is paid in combination or not.

Benefit information is not complete for a number of reasons. Firstly, not all respondents agreed to provide information about benefits. Secondly, not all benefits were available in all quarters/months. The values of relevant DVs take this into account. The table below shows all of the potential benefits recorded over the survey year and gives the corresponding variable names.

Benefit	Household Receiving Benefit	Amount Received	“Don't Know” given as answer	Period covered by the Benefit	Benefit Paid in Combination with another benefit
Child Benefit	DV_RCV_Ben_Childben	DV_ChildBen_Amt	DV_ChildBen_AmtDK	DV_ChildBen_Pd	DVCBen
Guardian's Allowance	DV_RCV_Ben_GuardAllw	DV_GuardAllw_Amt	DV_GuardAllw_AmtDK	DV_GuardAllw_Pd	DVGdAll
Invalidity Care Allowance	DV_RCV_Ben_InvCareAllw	DV_InvCareAllw_Amt	DV_InvCareAllw_AmtDK	DV_InvCareAllw_Pd	DVICare
State Pension	DV_RCV_Ben_NIPen	DV_NIPen_Amt	DV_NIPen_AmtDK	DV_NIPen_Pd	DVNiPen
Widow's Pension	DV_RCV_Ben_WidPen	DV_WidPen_Amt	DV_WidPen_AmtDK	DV_WidPen_Pd	DVWidow
War Pension	DV_RCV_Ben_WarDis	DV_WarDis_Amt	DV_WarDis_AmtDK	DV_WarDis_Pd	DVWarPn
Severe Disability Allowance	DV_RCV_Ben_SevDis	DV_SevDis_Amt	DV_SevDis_AmtDK	DV_SevDis_Pd	DVSDis
DLA Care Allowance	DV_RCV_Ben_DLACare	DV_DLACare_Amt	DV_DLACare_AmtDK	DV_DLACare_Pd	DVDLACr
DLA Mobility Allowance	DV_RCV_Ben_DLAMob	DV_DLAMob_Amt	DV_DLAMob_AmtDK	DV_DLAMob_Pd	DVDLAMob
Attendance Allowance	DV_RCV_Ben_AttAllw	DV_AttAllw_Amt	DV_AttAllw_AmtDK	DV_AttAllw_Pd	DVATAll
Job Seeker's Allowance	DV_RCV_Ben_JSAIB	DV_JSAIB_Amt	DV_JSAIB_AmtDK	DV_JSAIB_Pd	DVJSA
Pension Credit	DV_RCV_Ben_PenCre	DV_PenCred_Amt	DV_PenCred_AmtDK	DV_PenCred_Pd	DVPC
Income Support Allowance	DV_RCV_Ben_IncSupp	DV_IncSupp_Amt	DV_IncSupp_AmtDK	DV_IncSupp_Pd	DVInSup
Incapacity Benefit	DV_RCV_Ben_IncapBen	DV_IncapBen_Amt	DV_IncapBen_AmtDK	DV_IncapBen_Pd	DVInCap

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<b>Benefit</b>	<b>Household Receiving Benefit</b>	<b>Amount Received</b>	<b>"Don't Know" given as answer</b>	<b>Period covered by the Benefit</b>	<b>Benefit Paid in Combination with another benefit</b>
Maternity Allowance	DV_RCV_Ben_MatAllw	DV_MatAllw_Amt	DV_MatAllw_AmtDK	DV_MatAllw_Pd	DVMatAl
Industrial Injury Disablement	DV_RCV_Ben_IndInj	DV_IndInj_Amt	DV_IndInj_AmtDK	DV_IndInj_Pd	DVInDis
Working Tax Credit	DV_RCV_Ben_WTC	DV_WTC_Amt	DV_WTC_AmtDK	DV_WTC_Pd	DVWTC
Child Tax Credit	DV_RCV_Ben_CTC	DV_CTC_Amt	DV_CTC_AmtDK	DV_CTC_Pd	DVCTC
Statutory Sick Pay	DV_RCV_Ben_StatSP	DV_StatSP_Amt	DV_StatSP_AmtDK	DV_StatSP_Pd	DVSick
Statutory Maternity Pay	DV_RCV_Ben_StatMatPay	DV_StatMatPay_Amt	DV_StatMatPay_AmtDK	DV_StatMatPay_Pd	DVMatSt
Statutory Paternity Pay	DV_RCV_Ben_StatPatPay	DV_StatPatPay_Amt	DV_StatPatPay_AmtDK	DV_StatPatPay_Pd	DVPatS
Statutory Adoption Pay	DV_RCV_Ben_StatAdoptPay	DV_StatAdoptPay_Amt	DV_StatAdoptPay_AmtDK	DV_StatAdoptPay_Pd	DVAdopS
Tax Refund	DV_RCV_Ben_TaxRefund	DV_TaxRefund_Amt	DV_TaxRefund_AmtDK	DV_TaxRefund_Pd	DVTaxRf
Mileage Allowance	DV_RCV_Ben_MileAllw	DV_MileAllw_Amt	DV_MileAllw_AmtDK	DV_MileAllw_Pd	DVMilAlw
Motoring Expenses	DV_RCV_Ben_MotExp	DV_MotExp_Amt	DV_MotExp_AmtDK	DV_MotExp_Pd	DVMotEx
Tax Credit	DV_RCV_Ben_TaxCred	DV_TaxCred_Amt	DV_TaxCred_AmtDK	DV_TaxCred_Pd	DVTaxCd
Funeral Grant	DV_RCV_Ben_FnrIGrnt	DV_FnrIGrnt_Amt	DV_FnrIGrnt_AmtDK	DV_FnrIGrnt_Pd	DVFunrl
Maternity Grant	DV_RCV_Ben_MatExpGrnt	DV_MatExpGrnt_Amt	DV_MatExpGrnt_AmtDK	DV_MatExpGrnt_Pd	DVMatGr
Community Care Grant	DV_RCV_Ben_ComCareGrnt	DV_ComCareGrnt_Amt	DV_ComCareGrnt_AmtDK	DV_ComCareGrnt_Pd	DVCCare
Winter Fuel Allowance	DV_RCV_Ben_WintFuel	DV_WintFuel_Amt	DV_WintFuel_AmtDK	DV_WintFuel_Pd	DVWint
Back to Work Allowance	DV_RCV_Ben_BackToWk	DV_BackToWk_Amt	DV_BackToWk_AmtDK	DV_BackToWk_Pd	DVWork
Extended Payment Housing Benefit	DV_RCV_Ben_ExtHBen	DV_ExtHBen_Amt	DV_ExtHBen_AmtDK	DV_ExtHBen_Pd	DVExtPa
Widow's Lump Sum	DV_RCV_Ben_WidLmpSm	DV_WidLmpSm_Amt	DV_WidLmpSm_AmtDK	DV_WidLmpSm_Pd	DVWidPa
Child Maintenance Bonus	DV_RCV_Ben_ChldMntBon	DV_ChldMntBon_Amt	DV_ChldMntBon_AmtDK	DV_ChldMntBon_Pd	DVChMai
Lone Parent Run-on Benefit	DV_RCV_Ben_LoneParRun	DV_LoneParRun_Amt	DV_LoneParRun_AmtDK	DV_LoneParRun_Pd	DVLoneR
Other State Benefit	DV_RCV_Ben_OthBen	DV_OthBen_Amt	DV_OthBen_AmtDK	DV_OthBen_Pd	DVOthB

<b>Benefit Values</b>	<b>Household Receiving Benefit</b>	<b>Amount Received</b>	<b>“Don't Know” given as answer</b>	<b>Period covered by the Benefit</b>	<b>Benefit Paid in Combination with another benefit</b>
	0 Not receiving this benefit		1 Yes, DK because benefit paid in combination with another benefit	1 'one week'	0 No
	1 Receiving this benefit		2 No, Just don't know how much was paid	2 'two weeks'	1 Yes
	-8 Benefit section refused			3 'three weeks'	
	-9 Benefit not available this mo/qtr			4 'four 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 yr/12 mos/52 wks'	
				90 'less than one week'	
				95 'one off/lump sum'	
				97 'none of these'	

### **12.11 Legal Statement to Householders**



#### **The Physical Survey**

Thank you again for helping with this important research.

The SHCS is designed to give a broad overview of the state of homes in Scotland, and is used to monitor housing standards over time.

It should only take the surveyor fifteen to twenty minutes to carry out the observation. He/she will look around the inside and outside of your home, at your heating system and other amenities, and record information on a form. The survey is observational, so it will not be necessary to move any furniture. There is no need for any particular member of the household to be present.

The survey cannot be considered an official safety inspection and the surveyor will not be able to give you any official advice about the condition of your home or amenities.

*On behalf of,  
Communities Scotland, Miller Mitchell Burley Lane and the Office for National Statistics*

### 12.12 Physical Survey Form



Surveyor Name

Surveyor Number

Surveyor: write serial number here  
Affix serial number label here

**A. CONTACT INFORMATION**

1. Contact Record **Make at least 4 attempts to obtain a full survey including a weekday (morning, afternoon and evening) and a weekend**

Call No.	Day (1-7)	Time (1-4)	Date (ddmmyy)	Day 1 = Monday 2 = Tuesday 3 = Wednesday 4 = Thursday 5 = Friday 6 = Saturday 7 = Sunday	Time 1 = Morning 2 = Early Afternoon 3 = Late Afternoon 4 = Evening	Surveyor's Comments
1			/ /			
2			/ /			
3			/ /			
4			/ /			
5			/ /			
6			/ /			

2. Total number of calls

3. Time at Dwelling (minutes)

4. Final Outcome

property not usable as dwelling 5	property no longer used as dwelling 4	contact & refusal 3	no contact 2	contact 1
invalid dwelling type 9	with drawn by ONS 8	dwelling untraceable 7	dwelling demolished 6	

5. Refusal Information **If Final Outcome is Refusal, select a reason AND after T13 explain what the householder said**

worried about landlord 08	nothing wrong with my house 07	not interested 06	no reason for refusal 05	too busy 04	SHCS too intrusive 03	will take too long 02	never does surveys 01
not applicable 88	other 14	worried about safety/security 13	worried about confidentiality 12	waste of money 11	not council house 10	nothing in it for me 09	

6. Recontact by another surveyor?  no (exceptional circumstances only) 2  yes 1

7. Photographic Record

A Photograph 1	none 8	dwelling description 4	area 3	back 2	front 1
B Photograph 2	none 8	area 3	back 2	front 1	
C Photograph 3	none 8	area 3	back 2	front 1	
D Photograph 4	none 8	area 3	back 2	front 1	

**Essential Facts**

<b>Porch</b>	Attached to and project from the house. Single storey. Enclosed weather protection to an entrance. Door between porch and house. Contain no room or WC. If unheated, do not included in floor dimensions. If heated include in floor dimensions.
<b>Conservatory</b>	$\frac{3}{4}$ roof area and $\frac{1}{2}$ external wall area glazed or translucent. Attached to dwelling. Provide enclosed weather protection. Accessible from inside the house. Need not have door into house. If all of the above then must be 8m <sup>2</sup> , otherwise = porch. If separated by door and unheated, do not include in floor dimensions. If heated, or not separated, include in floor dimensions.
<b>Habitable room</b>	Floor area 4.65m <sup>2</sup> . Ceiling height 2m over at least half of this.
<b>Basement</b>	A basement is a storey which has it's lowest floor at least 1m below ground level. If retaining walls then basement if retaining walls are within 3m of edge of floor.

**Barrier Free**

<b>D8-D11</b>	Same entrance assessed for D8, D9 & D10. D11 entrance is not necessarily the same entrance as D8, D9 & D10.
<b>D8</b>	<b>Wheelchair access to entrance door of dwelling or common block is...</b> To be suitable: Gates/Gaps min 850 wide, Surface Access material min 900 wide and of hard standing material.
<b>D9</b>	<b>Pathways from road and/or car spaces up to but not including the entrance door to the dwelling or common block are...</b> Max ramp gradient 1:12, min 1000mm wide with 1000mm platform at entrance level. If ramp longer than 10m and steeper than 1:15 an intermediate platform required.
<b>D11</b>	<b>Is door bell/entry system to dwelling or common block accessible for wheelchair users?</b> Assess changes in level, gates/gaps, paths, path gradients, level standing at entrance, accessibility of bells/knockers/entry systems.
<b>D15</b>	<b>Is Dwelling suitable for Solar Panels or Photo voltaics?</b> Dwelling needs a suitable roof area larger than 8m <sup>2</sup> . Sloping roof areas require to be between 150°–210°. Both sloping & flat roof areas should not be over shaded.

**B. TYPE OF SURVEY**

1. Extent of survey completed	dwelling description sections A, B, D & E	3	external survey sections A, B, D, E, O, P, Q, R, S, T1, T8, T10, T13	2	full survey all relevant sections	1	<input type="checkbox"/>
2. Is the dwelling occupied?	no, requires repair, not being marketed	5	no, requires repair, being marketed	4	no, suitable for immediate use, not being marketed	3	<input type="checkbox"/>
					no, suitable for immediate use, being marketed	2	<input type="checkbox"/>
					yes	1	<input type="checkbox"/>

**D. DWELLING DESCRIPTION Answer all questions in this section**

1. Type of house	not a house	8	corner	6	detached	5	semi-detached	4	end terrace	3	terrace with passage	2	mid terrace	1	<input type="checkbox"/>				
2. Type of flat					not a flat	8	flat from converted house	4	tower/slab	3	4-in-block type	2	tenement	1	<input type="checkbox"/>				
3. If a flat, is it located directly above shops, offices or other commercial premises?					not a flat	8	yes	2	no	1					<input type="checkbox"/>				
4. Flat only, floor exposure					not a flat	8	non heat loss floor	4	part exposed	3	exposed (above grd)	2	ground floor	1	<input type="checkbox"/>				
5. Flat only, roof exposure					not a flat	8	non heat loss roof	4	part exposed	3	flat roof	2	pitched roof	1	<input type="checkbox"/>				
6. Flat only, wall exposure	not a flat	8	4 walls exposed	7	3-4 walls exposed	6	3 walls exposed	5	2-3 walls exposed	4	2 walls exposed	3	1-2 walls exposed	2	1 wall exposed	1	<input type="checkbox"/>		
7. Entry level of dwelling	unob.	9	basement	7	six-plus	6	fifth	5	fourth	4	third	3	second	2	first	1	ground	0	<input type="checkbox"/>
8. Wheelchair access to entrance door of dwelling or common block is...					unob.	9	n/a	8	loose / unsuit surface	3	suit. width, hard stand.	2	inad. width, hard stand.	1	<input type="checkbox"/>				
9. Pathways from road and/or car spaces up to but not including the entrance door to the dwelling or common block are...					unob.	9	n/a	8	step free	3	potentially step free	2	step free not poss.	1	<input type="checkbox"/>				
10. Number of access steps within the curtilage to the entrance door					unob.	9	over 10 steps	4	6-10 steps	3	3-5 steps	2	1-2 steps	1	no steps	0	<input type="checkbox"/>		
11. Is door bell/ entry system to dwelling or common block accessible for wheelchair users?					unob.	9	n/a	8	yes	2	no	1	<input type="checkbox"/>						
12. Quality assessment of dwelling									of superior quality	3	better than basic	2	basic	1	<input type="checkbox"/>				
13. Date of construction of dwelling							Pre - 1919	5	1919 - 1944	4	1945 - 1964	3	1965 - 1982	2	post 1982	1	<input type="checkbox"/>		
14. Presence of porch / conservatory	unob.	9	n/a	8	porch and conservatory	4	conservatory only	3	porch only	2	none	1	<input type="checkbox"/>						
15. Is dwelling suitable for solar panels or photo voltaics?					unob.	9	n/a	8	pv already installed	4	sp already installed	3	yes	2	no	1	<input type="checkbox"/>		
16. Provision for exclusive parking associated with dwelling					no exclus. parking	8	space/gar elsewhere	4	space on plot	3	garage on plot	2	integral / attached garage	1	<input type="checkbox"/>				
17. Evidence of residential building activity					no adjacent dwelling	8	mixed activity	5	developing	4	demolishing	3	repairing or improving	2	no activity	1	<input type="checkbox"/>		
18. Parking provision					unob.	9	adequate	3	inadequate	2	no parking provision	1	<input type="checkbox"/>						

**Essential Facts**

<b>Porch</b>	Attached to and project from the house. Single storey. Enclosed weather protection to an entrance. Door between porch and house. Contain no room or WC. If unheated, do not included in floor dimensions. If heated include in floor dimensions.
<b>Conservatory</b>	$\frac{3}{4}$ roof area and $\frac{1}{2}$ external wall area glazed or translucent. Attached to dwelling. Provide enclosed weather protection. Accessible from inside the house. Need not have door into house. If all of the above then must be $8m^2$ , otherwise = porch. If separated by door and unheated, do not include in floor dimensions. If heated, or not separated, include in floor dimensions.
<b>Habitable room</b>	Floor area $4.65m^2$ . Ceiling height $2m$ over at least half of this.
<b>Basement</b>	A basement is a storey which has it's lowest floor at least $1m$ below ground level. If retaining walls then basement if retaining walls are within $3m$ of edge of floor.

E. CHARACTERISTICS OF COMMON BLOCK											
1. Is the dwelling a flat?	no - ignore section E		2		yes - complete section E		1	<input type="checkbox"/>			
2. Type of common block (or converted building)	corner	5	detached	4	semi detached	3	end terrace	2	mid terrace	1	<input type="checkbox"/>
3. Does the common block contain a non-residential use?			unob.	9	yes	2	no	1	<input type="checkbox"/>		
4. Is there a dwelling(s) or part dwelling(s) in the roof?			unob.	9	yes	2	no	1	<input type="checkbox"/>		
5. Is there a dwelling(s) or part dwelling(s) in the basement?	unob.	9	yes	3	no dwelling(s) or part dwelling(s) in basement	2	no basement	1	<input type="checkbox"/>		
6. Number of actual dwellings in the common block			unob.		999	specify	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7. Estimate equivalent number of dwellings in the common block (floor area basis)			unob.		999	specify	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8. Number of storeys in the common block			unob.		99	specify	<input type="checkbox"/>	<input type="checkbox"/>			
9. Original tenure of common block			social rented		2	private	1	<input type="checkbox"/>			
10. Current tenure of common block	mixed		3	social rented		2	private	1	<input type="checkbox"/>		

**Repairs**

G7	<b>Doors and Frames</b>	Door leaf	30%
		Frame	50%
		Ironmongery	20%
I3	<b>Staircase(s)</b>	Risings & goings	50%
		Stringers	30%
		Handrails	20%

G8	<b>Fireplaces and Flues</b>	Grate	20%
		Hearth	30%
		Fireback up to throat	40%
		Surround	20%
K15	<b>Kitchen storage and Worktops</b>	Kitchen unit carcasses	30%
		Doors/drawers	30%
		Ironmongery	10%
		Work surfaces	30%

**Essential Facts**

<b>Porch</b>	Attached to and project from the house. Single storey. Enclosed weather protection to an entrance. Door between porch and house. Contain no room or WC. If unheated, do not included in floor dimensions. If heated include in floor dimensions.
<b>Conservatory</b>	$\frac{3}{4}$ roof area and $\frac{1}{2}$ external wall area glazed or translucent. Attached to dwelling. Provide enclosed weather protection. Accessible from inside the house. Need not have door into house. If all of the above then must be 8m <sup>2</sup> , otherwise = porch. If separated by door and unheated, do not include in floor dimensions. If heated, or not separated, include in floor dimensions.
<b>Habitable room</b>	Floor area 4.65m <sup>2</sup> . Ceiling height 2m over at least half of this.
<b>Basement</b>	A basement is a storey which has it's lowest floor at least 1m below ground level. If retaining walls then basement if retaining walls are within 3m of edge of floor.
<b>J1</b>	<b>Total number of habitable rooms plus kitchen.</b> Do NOT include conservatories, bathrooms, toilets, utility rooms, storerooms, cupboards, recesses, sculleries no longer used for cooking or halls/landings as habitable rooms.
<b>J6</b>	Is the internal circulation barrier free? Barrier free access required to living room, bedroom, kitchen & bathroom (must contain WC, WHB, bath/shower). · Passages at least 900mm wide which are free of obstructions, radiators etc. · Doors at least 750mm wide · Where 90° turn into room from passage required for full barrier free access— passageway 1200mm wide by door or door 900mm wide · Surveyors should not consider the potential for a stair lift or other conversion but can redesignate rooms.

F. ROOM BY ROOM RECORD								0 entry level 1 first level 2 second level 3 third or more 7 below level 8 no room 9 unob
1. Room level	Hall/ Landing	Kitchen	R1	R2	R3	R4	R5	
2. Room type								
G. ROOM REPAIRS ('00' no repairs; '55', '01' - '10' disrepair; '88' n/a; '99' unobtainable)								1 kitchen only 2 living 3 other public 4 bed 5 bath and WC 6 bath only 7 WC only
1. Floor structure	Hall/ Landing	Kitchen	R1	R2	R3	R4	R5	
2. Floor finish								
3. Skirtings								
4. Wall finish								
5. Ceiling finish								
6. Cornices								
7. Doors and frames								
8. Fireplaces and flues								
H. TYPES OF DEFECT/CONDITION								1 satisfactory 2 through another room 3 inadequate fixed access 4 off window
1. Is access to room satisfactory?	Hall/ Landing	Kitchen	R1	R2	R3	R4	R5	
2. Is arrangement of room or area satisfactory?								
3. Is the room structurally stable?								
4. Is the room free from dry/wet rot?								
5. Has the room satisfactory provision for natural light?								
6. Has the room satisfactory provision for artificial light?								
7. Have all opening windows suitable window locks?								
8. Has room satisfactory provision for ventilation?								
9. Has room satisfactory provision for heating?								
I. REPAIRS TO WHOLE DWELLING ('00' no repairs; '55', '01' - '10' disrepair; '88' n/a; '99' unobtainable)								1 yes, central heating 2 yes, room heater 3 yes, socket 4 no
10. Is room free from rising damp?	Hall/ Landing	Kitchen	R1	R2	R3	R4	R5	
11. Is room free from penetrating damp?								
12. Is room free from condensation?								
13. Is room free from mould?								
1. Internal walls / partition(s)								
2. Party wall(s)								
3. Staircase(s)								
J. ROOMS/FLOORS-SUMMARY								
1. Total number of habitable rooms plus kitchen	unob.	99	specify:					
2. Number of habitable floors in the dwelling(excluding the roof)	unob.	99	specify:					
3. Number of habitable rooms in roof space	unob.	99	n/a	99	specify:			
4. Number of habitable rooms in the basement	unob.	99	no basement	99	specify:			
5. Does the dwelling have a non-residential use?			yes	2	no	1		
6. Is the internal circulation barrier free?	unob.	99	yes, full	3	yes, ambulant	2	no	1

**Repairs**

K15	<b>Kitchen storage and Worktops</b>	Kitchen unit carcasses	30%
		Doors/drawers	30%
		Ironmongery	10%
		Work surfaces	30%

**Services**

K17	<b>What extra kitchen storage provision is required?</b>		1 or 2 person dwellings: 1.7m <sup>3</sup> ; 3+ person dwellings: 2.3m <sup>3</sup> .					
	<u><b>500 deep Base Units</b></u>		<u><b>600 deep Base Units</b></u>		<u><b>600 high Wall Units</b></u>		<u><b>900 high Wall Units</b></u>	
	600 unit	0.17m <sup>3</sup>	600 unit	0.25m <sup>3</sup>	600 unit	0.08m <sup>3</sup>	600 unit	0.21m <sup>3</sup>
	1000 unit	0.28m <sup>3</sup>	1000 unit	0.41m <sup>3</sup>	1000 unit	0.18m <sup>3</sup>	1000 unit	0.27m <sup>3</sup>
	1200 unit	0.34m <sup>3</sup>	1200 unit	0.50m <sup>3</sup>	1200 unit	0.20m <sup>3</sup>	1200 unit	0.32m <sup>3</sup>
	1200 sink unit	0.26m <sup>3</sup>	1200 sink unit	0.42m <sup>3</sup>				

K. AMENITIES										
1. Where is the bathroom located?	unob. 9	no bathroom 8	shared bathroom 4	outside 3	in building 2	in dwelling 1				
2. Is the shortest dimension of the bathroom compartment...?	unob. 9	no bathroom 8	>=2400mm 3	>=2100mm 2	<2100mm 1					
3. Where is the main WC located?	unob. 9	no WC 8	shared WC 5	outside 4	in building 3	in dwelling 2	in bathroom 1			
4. Is there a separate WC compartment, within the dwelling, suitable for use by a wheelchair user?	unob. 9	yes, 1500 x 1800mm 3	no, too small 2	no sep. WC comp. 1						
5. Is the main WC located directly off kitchen?	unob. 9	no WC 3	yes 2	no 1						
6. Is wash-hand basin associated with main WC located with?	unob. 9	no WC 8	no wash-hand basin 3	elsewhere 2	WC 1					
7. Number of WC's within dwelling?										
What repairs are required to the following exclusive amenities inside the dwelling	unob.	no amenity	renew	medium	minor	small	no repair			
			100%	60%	60%	25%	25%	5%	up to 5%	
8. Main WC	9	8	4	3	2	1	0			
9. Wash-hand basin	9	8	4	3	2	1	0			
10. Hot and cold to wash-hand basin	9	8	4	3	2	1	0			
11. Fixed bath/shower in bathroom	9	8	4	3	2	1	0			
12. Hot and cold to bath/shower	9	8	4	3	2	1	0			
13. Sink	9	8	4	3	2	1	0			
14. Hot and cold to sink	9	8	4	3	2	1	0			
15. Kitchen storage and worktops	9	8	4	3	2	1	0			
16. Is area in front of all kitchen worktops and fittings...?	unob. 9	no kitchen worktops or fittings 8	>=1500mm 3	>=1200mm 2	<1200mm 1					
17. What extra kitchen storage provision is required?	unob. 9	100% 5	75% 4	50% 3	25% 2	0% 1				
18. Number of power sockets in kitchen	unob. 9	n/a 8	specify: 8							
19. Is there a min of 1m <sup>3</sup> food storage in the kitchen?	unob. 9	n/a 8	no 2	yes 1						
20. Is the kitchen working arrangement safe?	unob. 9	n/a 8	no 2	yes 1						
21. Is the area around the cooker safe?	unob. 9	n/a 8	no 2	yes 1						



**Barrier Free**

L7 L8 M15	Power sockets require to be 450 – 1050mm above the floor. Light switches and Heating controls require to be 900 – 1050mm above floor. For L7 & L8 the kitchen, bathroom and two other rooms must comply with barrier free access available.
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**Services**

L3	Is the Standard of the Electrical Power System satisfactory? Satisfactory = Kitchen 6 sockets, each apartment 4 sockets plus additional 4 sockets in dwelling (Twin = 2 sockets).
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L. SERVICES AND FITTINGS														
1. What mains services does the dwelling have?	unob.	9	no services	8	gas only	3	electricity and gas	2	electricity only	1				
2. Does the dwelling have a privately generated power supply?	unob.	9	no power supply	8	yes, other	5	yes, hydro	4	yes, wind	3	yes, fuel generator	2	no	1
3. Is standard of electrical power system satisfactory?	unob.	9	no electrical power sys.	8	5/15 amp system	4	mixed system	3	adequate number of sockets	2	inadequate number of sockets	1		
4. Are there any power socket(s) in the conservatory?	unob.	9	no conservatory	8	yes	2	no	1						
5. Is the electrical power system dangerous?	unob.	9	no power system	8	yes	2	no	1						
6. Is the standard of the electrical lighting system satisfactory?	unob.	9	no electrical lighting system	8	no, dangerous	3	no	2	yes	1				
7. Are the location of power sockets barrier free?	unob.	9	n/a	8	yes	2	no	1						
8. Are the location of light switches barrier free?	unob.	9	n/a	8	yes	2	no	1						
9. Is the underground water main (or communal rising main to the flat) lead free?	unob.	9	no water main	8	no	2	yes	1						
10. Is the entire water distribution and storage system in the dwelling lead free?	unob.	9	no	2	yes	1								
11. Is there a private water supply to the dwelling?	unob.	9	no water main	8	yes	2	no	1						
12. Are there smoke detectors in the dwelling?	unob.	9	no	8	more than 1 mixed	5	more than 1 mains powered	4	1 mains powered	3	more than 1 batt power	2	1 battery powered	1
13. Do all external door(s) have adequate locks?	unob.	9	no	2	yes	1								
14. Door viewer and restrictor present on main entrance door?	unob.	9	both viewer & restrictor	4	restrictor only	3	viewer only	2	no	1				
<b>What repairs are required to the following services and fittings?</b>	unob.	no amenity	renew	medium	minor	small	no repair							
			100%	60%	60%	25%	25%	5%	up to 5%					
15. Cold water system	9	8	4	3	2	1	0							
16. Hot water system	9	8	4	3	2	1	0							
17. Electrical power system	9	8	4	3	2	1	0							
18. Electrical lighting system	9	8	4	3	2	1	0							



**Completing Section M**

<b>M1</b>	<p><b>Primary Heating Conventions</b></p> <ol style="list-style-type: none"> <li>1 Only fixed systems/ appliances. Ignore portable heaters.</li> <li>2 System / appliances that heats most rooms and hot water preferably (M1 code 1, 2, 3, 5 or 6).</li> <li>3 If choice between system and room heaters: system (inc. storage heaters) is primary. Room heaters are secondary.</li> <li>4 If choice between room heaters, one that heats lounge is primary (M1 code 4).</li> <li>5 Back boiler with no radiators = room heater (M1 code 4); back boiler with radiators = boiler system (M1 code 1).</li> </ol>
	<p><b>M1 Code 1 (boiler):</b> M5 or M6 Select type of boiler as appropriate; M7, M8, M9 = Not applicable (code 8).  <b>M1 Code 2: (community Heating):</b> M5, M6, M7, M8, M9 = Not applicable (code 8)  <b>M1 Code 3 (storage heating):</b> M5, M6, M7, M8 = Not applicable (code 8); M9 Select type of electric storage heating.  <b>M1 Code 4 (room heater):</b> M5, M6, M9 = Not applicable (code 8); M7 or M8 Select type of room heater as appropriate.  <b>M1 Code 5 (warm air system):</b> M5, M6, M7, M8, M9 = Not applicable (code 8).  <b>M1 Code 6 (heat pump):</b> M5, M6, M7, M8, M9 = Not applicable (code 8). M4 Fuel will be either code 11 peak electric or code 12 off peak electric.</p>
<b>M14</b>	<p><b>Code 11</b> ScottishPower's Radio Teleswitch <b>Group Codes</b> for auto charge control on night storage heaters are: 97, 98, 99, 100, 101, 102, 103, 104 &amp; 105. All other Group Codes are 'Manual charge control'. In Scottish Hydro area: Total Heating Total Control (THTC) tariff is Auto Charge Control.</p>
<b>M16</b>	<p><b>Secondary Heating Conventions</b></p> <ol style="list-style-type: none"> <li>1 Room heaters that heat most rooms + bias towards lounge.</li> <li>2 Upper floor open fires can be ignored as secondary heating.</li> </ol>

**M. HEATING AND INSULATION**

0. NHER age category	pre 1819	1819-1829	1830-1849	1950-1964	1965-1974	1975-1982	1983-1990	1991-1997	post 1997	
1. What is the primary source of heating in the dwelling?	9	8	7	6	5	4	3	2	1	
2. Primary wet system heat emitters?				heat pump	warm air system	room heater	storage heating	community heating	boiler	
3. Extent of central heating system?					unob.	no wet system	under floor chip. floor	under floor conc. floor	radiators	
4. Primary heating fuel?	anthracite nuts	smokeless fuel	house coal	oil (28sec/ kero/C1)	oil (35sec/ diesel/D1)	bottled gas	bulk LPG	gas mains		
	08	07	06	05	04	03	02	01		
	unob.	n/a	comm.heat with CHP	comm.heat with no CHP	off peak elec	peak electric	wood/peat	anthracite grains		
	99	88	14	13	12	11	10	09		

**Primary appliance type:**

5. Gas central heating	n/a	back boiler	condensing combi	combi	pre 79	condensing	standard	
6. Oil central heating		n/a	condensing combi	combi	pre 85	condensing	standard	
7. Gas room heaters		n/a	pre 60	condensing	gas, coal effect fire, open	gas, coal effect fire, flued	post 60	
8. Solid fuel room heaters/boilers	n/a	auto feed	man. feed	closed fire with back boiler	open fire with back boiler	closed fire	open fire	
9. Electric storage heating			n/a	under floor	old style	fan assisted	new style	
10. Principal hot water heating source	kitchen range	gas instant multi point	gas instant single point	electric instantaneous	electrical single immersion	electrical dual immersion	pri. heating source	
	07	06	05	04	03	02	01	
	unob.		n/a		water boiler	sep. back boiler	gas circulator	
	99		88		10	09	08	
11. What is the water heating fuel?	anthracite nuts	smokeless fuel	house coal	oil (28sec/ kero/C1)	oil (35sec/ diesel/D1)	bottled gas	bulk LPG	gas (mains)
	08	07	06	05	04	03	02	01
	unob.	n/a	comm.heat with CHP	comm.heat with no CHP	off peak elec	peak electric	wood/peat	anthracite grains
	99	88	14	13	12	11	10	09

**What repairs are required to the central heating system?**

	unob.	no amenity	renew	medium	minor	small	no repair	
			100%	60%	60%	25%	25%	5%
			up to 5%					
12. Central heating source?	9	8	4	3	2	1	0	
13. Central heating distribution?	9	8	4	3	2	1	0	
14. Heating controls for primary heating	TRV only	programmer & TRV	programmer, room stat & TRV	programmer & room stat	room stat only	programmer only	no controls	
	07	06	05	04	03	02	01	
	unob.		Boiler energy manager	SHtr auto charge control	SHtr manual charge control	RHtr appliance stat & prog	RHtr appliance stat	
	99		12	11	10	09	08	
15. Are all the primary heating controls accessible for wheelchair users?	unob.	n/a	all	some	none			
	9	8	3	2	1			
16. What is the secondary heating, if any? (room heaters only)		open solid fuel fire	pre 1960 gas fire	post 1960 gas fire	gas, coal effect fire	no secondary system		
		4	3	2	1	0		
	unob.		other	electric room heaters	closed solid fuel fire			
	9		7	6	5			
17. Is the loft space insulated?		100mm	75mm	50mm	25mm	none		
		4	3	2	1	0		
	unob.	n/a	>200mm	200mm	150mm			
	9		8	7	6	5		
18. Type of insulation to hot water storage cylinder?	unob.	no hw storage	no insulation	jacket	sprayed			
	9	8	3	2	1			
19. Is the insulation to hot water storage satisfactory?	unob.	no hw storage	no insulation	no	yes			
	9	8	3	2	1			
20. Is the insulation to own tanks and pipes in loft satisfactory?	unob.	n/a	no loft space	no insulation	no	yes		
	9	8	4	3	2	1		
21. Heating in conservatory	unob.	no conservatory	portable heater	fixed heater	direct from pri. system	no heating		
	9	8	4	3	2	1		
22. Is there a door separating the dwelling from the conservatory?	unob.	no conservatory	no	yes				
	9	8	2	1				
23. Is the gas/oil heating system safe?	unob.	n/a	no	yes				
	9	8	2	1				

**Essential Facts**

<b>Porch</b>	Attached to and project from the house. Single storey. Enclosed weather protection to an entrance. Door between porch and house. Contain no room or WC. If unheated, do not include in floor dimensions. If heated include in floor dimensions.
<b>Conservatory</b>	¼ roof area and ½ external wall area glazed or translucent. Attached to dwelling. Provide enclosed weather protection. Accessible from inside the house. Need not have door into house. If all of the above then must be 8m <sup>2</sup> , otherwise = porch. If separated by door and unheated, do not include in floor dimensions. If heated, or not separated, include in floor dimensions.
<b>Habitable room</b>	Floor area 4.65m <sup>2</sup> . Ceiling height 2m over at least half of this.
<b>Basement</b>	A basement is a storey which has it's lowest floor at least 1m below ground level. If retaining walls then basement if retaining walls are within 3m of edge of floor.
<b>O6</b>	<b>Is the common circulation area barrier free?</b> For req. dimensions see J6. A change in level greater than 20mm renders common circulation are unsuitable.

**Repairs**

<b>P7</b>	<b>Lifts</b>	Lift call panel	10%
		Lift control panel	10%
		Lift car	60%
		Lift doors	20%
<b>P12</b>	<b>Refuse Chutes</b>	Refuse Chutes & linings	60%
		Hoppers	10%
		Chambers	20%
		Drainage to system	10%
<b>P13</b>	<b>Bin stores</b>	Structure of bin store	40%
		Doors	30%
		Ironmongery	20%
		Drainage to stores	10%

N. DWELLING MEASUREMENTS				
	area (m <sup>2</sup> )	measurement type (area)	height (m)	Area
1. Ground / lowest floor	<input type="text"/>	<input type="text"/>	<input type="text"/>	888 = not applicable 999 = unobtainable <b>Measurement Type (area)</b> 1 = External 2 = Internal 8 = not applicable 9 = unobtainable <b>Height</b> 8.8 = not applicable 9.9 = unobtainable
2. First floor	<input type="text"/>	<input type="text"/>	<input type="text"/>	
3. Second floor	<input type="text"/>	<input type="text"/>	<input type="text"/>	
4. Third floor	<input type="text"/>	<input type="text"/>	<input type="text"/>	
5. Fourth floor and above	<input type="text"/>	<input type="text"/>	<input type="text"/>	

Surveyors working space for calculating floor areas

O. CHARACTERISTICS OF COMMON ELEMENTS

1. Is the dwelling part of a block with common access?	no - ignore O & P		2		yes - complete O & P		1													
2. Type of common access in the block	other	7	gallery	6	balcony	5	deck	4	passage	3	landing	2	ground only	1						
3. Number of staircases in the block	unob.		9		no staircases		8		specify:											
4. Number of lifts in the block	unob.		9		no lifts		8		specify:											
5. Are the lifts suitable for wheelchair users?	unob.		9		no lifts		8		no		2		yes		1					
6. Is the common circulation area barrier free?	unob.		9		yes, full		3		yes, ambulant		2		no		1					
7. Is there an entry system?	unob.		9		no		4		yes, concierge		3		yes, entry phone		2		yes, bell to each flat		1	
8. Is front access to common block secure?	unob.		9		n/a		8		no		2		yes		1					
9. Is rear access to common block secure?	unob.		9		n/a		8		no		2		yes		1					

P. REPAIRS TO COMMON ELEMENTS

What repairs are required to the following common elements?	Repair assessment:	Is the repair urgent?	Residual life after repair for whole element:	
	00 = no repairs 55, 01-10 = disrepair 88 = n/a 99 = unob	1 = yes 2 = no 8 = n/a 9 = unob	1 = 1 - 5 years 2 = 6 - 10 years 3 = 11 - 30 years	4 = 30+ years 8 = n/a 9 = unob
1. Stairs, landings and balustrades (O3)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2. Access balcony / gallery / decks and balustrades	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3. Halls and passages	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4. Wall finishes	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5. Ceilings and soffit finishes	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
6. Doors, screens, windows and rooflights	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
7. Lifts (O4)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
8. Decorations	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
9. Service mains	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
10. Public lighting to common areas	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
11. Communal security systems	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
12. Refuse chutes / chambers	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
13. Bin stores	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Repairs**

<b>R5</b>	<b>Chimney Stacks</b>	Cope	10%
		Structure	60%
		Finish	15%
		Pots	15%
<b>R15</b>	<b>External doors to Dwelling</b>	Door	30%
		Frame	50%
		Ironmongery	20%
<b>R16</b>	<b>Windows to Dwelling</b>	Frame	50%
		Glazing	30%
		Ironmongery	20%

**Q. EXTERNAL CONSTRUCTION / MATERIALS**

1. Is more than two thirds of the attached flank wall(s) exposed?	unob.	9	detached	4	yes, both flanks	3	yes, one flank	2	no	1								
2. External wall construction	unob.	9	other	3	solid	2	1											
3. External wall construction material	unob.	9	other	8	metal	7	concrete	6	timber	5	blockwork	4	brick	3	whin/granite	2	sandstone	1
4. Principal external wall finish	other	8	metal	7	concrete panel	6	concrete block	5	timber	4	brick	3	stone	2	render	1		
5. External wall thickness	unob.	9	>750mm	3	450 - 750mm	2	<450mm	1										
6. Has additional insulation been added to external walls since built?	100mm int. or ext.	7	75mm int. or ext.	6	50mm int. or ext.	5	25mm int. or ext.	4	filled 75mm cavity	3	filled 50mm cavity	2	none/partial	1				
7. Principal roof type	unob.	9	half mansard	5	mansard	4	mono	3	flat	2	pitched	1						
8. Extent of principal roof type	unob.	9	specify:	9	(tenths)													
9. Principal roof cover	unob.	9	other	7	metal	6	asbestos	5	asphalt	4	felt	3	tiles	2	slates	1		
10. Cover to secondary roof	unob.	9	no secondary roof	8	other	7	metal	6	asbestos	5	asphalt	4	felt	3	tiles	2	slates	1
11. Underground drainage	unob.	9	no drainage	4	other	3	septic tank	2	public connection	1								

**Dwelling only**

12. Principal window type to dwelling	unob.	9	other/mixed	5	pivot	4	tilt & turn	3	casement	2	sash & case	1
13. Window frames	u.p.v.c.	4	metal (no thermal break)	3	metal (thermal break)	2	wood	1				
14. Glazing (if some single & some double select largest area)	unob.	9	double with low 'e' glass	4	triple	3	double	2	single	1		
15. Type of double glazing	unob.	9	no double glazing	5	part only	4	mixed	3	yes, secondary	2	yes, sealed units	1

**R. EXTERNAL REPAIRS**

What repairs are required to the following elements of the dwelling or common block	front only =	1	back only =	4	5 4 6 DWELLING / BLOCK 3 1 2
	front with right =	2	back with left =	5	
	front with left =	3	back with right =	6	
	unobtainable =	9	unobtainable =	9	

	VIEWPOINT 1	VIEWPOINT 2	Is the repair urgent?	Residual Life
1. Principal roof structure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Principal roof covering	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Secondary roof structure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Secondary roof covering	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Chimney stacks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Flashings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Roof gutters and downpipes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Soil waste and vent pipes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Wall structure (Q2/Q3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Wall finish	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Foundations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. DPC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Underground drainage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>What repairs are required to the following elements of the dwelling only?</b>				
14. Private balcony to dwelling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. External doors to dwelling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. Windows to dwelling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. External paint to dwelling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. External stairs to own door (4-in-block & converted houses only)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Repair score  
00 = no repair  
55, 01 - 10 = disrepair  
88 = n/a  
99 = unob.

Is the repair urgent?  
1 = yes  
2 = no  
8 = n/a  
9 = unob.

Residual life for whole element after repair  
1 = 1-5 years  
2 = 6-10 years  
3 = 11-30 years  
4 = 30+ years  
8 = n/a  
9 = unob.

**Repairs**

S5	Attached Garage	Roof	45%
		Walls	45%
		Doors/Windows	10%

**S. EXTERNAL AND OTHER FEATURES**

What repairs are required to the following external elements?

- 1. Fences, walls and gates ('00' no repairs, '55', '01' - '10' disrepair; '88' n/a; '99' unobtainable)
- 2. Paths, paved areas, ramps ('00' no repairs, '55', '01' - '10' disrepair; '88' n/a; '99' unobtainable)
- 5. Attached garage ('00' no repairs, '55', '01' - '10' disrepair; '88' n/a; '99' unobtainable)

	unob.	no amenity	renew	medium	minor	small	no repair	
			100%	60%	60% 25%	25% 5%	up to 5%	
3. Steps and plats	9	8	4	3	2	1	0	<input type="checkbox"/>
4. Surface drainage	9	8	4	3	2	1	0	<input type="checkbox"/>

**T. TOLERABLE STANDARD - STATUTORY ACTION**

For a Full Survey (B1) answer all questions in this section, for an External Survey (B1) answer T1, T8, T10 & T13.

	unob.	no (BTS)	yes			
1. Is the dwelling structurally stable?	9	2	1	<input type="checkbox"/>		
2. Is the dwelling substantially free from rising or penetrating damp?	9	2	1	<input type="checkbox"/>		
3. Has the dwelling satisfactory provision for natural and artificial light, for ventilation and for heating?	9	2	1	<input type="checkbox"/>		
4. Has the dwelling an adequate piped supply of wholesome water within the house?	9	2	1	<input type="checkbox"/>		
5. Has the dwelling a sink provided with satisfactory supply of both hot and cold water within the house?	9	2	1	<input type="checkbox"/>		
6. Has the dwelling a water closet available for the exclusive use of the occupants of the house suitably located within the house?	9	2	1	<input type="checkbox"/>		
7. Has the dwelling a fixed bath/shower and a wash-hand basin all with a satisfactory supply of hot and cold water suitably located within the house?	9	2	1	<input type="checkbox"/>		
8. Has the dwelling an effective system for the drainage and disposal of foul and surface water?	9	2	1	<input type="checkbox"/>		
9. Has the dwelling satisfactory facilities for the cooking of food within the dwelling?	9	2	1	<input type="checkbox"/>		
10. Is there satisfactory access to all external doors and outbuildings?	9	2	1	<input type="checkbox"/>		
11. Would you expect action to be taken on this dwelling under the Housing Acts?	unob. 9	close or demolish 4	improvement order 3	repair notice 2	no action 1	<input type="checkbox"/>
12. Would you expect the common parts to be subject to a repairs notice?	unob. 9	no common parts 3	action 2	no action 1	<input type="checkbox"/>	

13. Write in reason for each BTS failure, at 1 - 10 (above)

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Surveyors notes box to assist data validation team (including reason for refusal)

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**12.13 Physical Survey Validation (Manipula)**

Error No.	Description
1	, 'M4R10 : Unexpected value in M04; no services indicated at L01; but mains gas/electric indicated')
2	, 'M4R11 : Unexpected value in M04; Primary heating fuel coded as not applicable; REFER TO SUPERVISOR')
3	, 'M5R3 : Unexpected value in M05; Gas boiler indicated at M01/M04; 1 to 6 expected')
4	, 'M5R1 : Unexpected value in M05; Non-gas boiler indicated at M01/M04; 8 expected in M05')
4	, 'Section A. Final Outcome not 1-3 Survey NOT Possible')
5	, 'M5R2 : Unexpected value in M05; Non-boiler indicated at M01/M04; 8 expected')
6	, 'M6R3 : Unexpected value in M06; Oil-boiler indicated at M01/M04; 1 to 5 expected')
7	, 'M6R1 : Unexpected value in M06; Non-oil boiler indicated at M01/M04; 8 expected')
8	, 'M6R2 : Unexpected value in M06; Non-boiler system indicated at M01; 8 expected')
9	, 'M7R1 : Unexpected value in M07; Gas room indicated at M01/M04; 8 expected')
10	, 'M8R1 : Unexpected value in M08; Non-solid fuel indicated at M01/M04; 8 expected')
11	, 'M9R1 : Unexpected value in M09; Storage heater indicated in M01; 1 to 4 expected')
12	, 'M10R1 : Unexpected value in M10; Storage heater indicated in M01; 2 to 10 expected')
13	, 'M11R17 : Unexpected value in M11; electrical dual emersion heater indicated at M10; 12 expected')
14	, 'M11R18 : Unexpected value in M11; electrical emersion heater indicated at M10; 11,12 expected')
15	, 'M11R19 : Unexpected value in M11; electrical instant hot water indicated at M10; 11 expected')
16	, 'M11R20 : Unexpected value in M11; Gas multipoint indicated at M10; 1 to 3 expected')
17	, 'M1121 : Unexpected value in M11; Not applicable at M10: 88 expected; REFER TO SUPERVISOR')
18	, 'M1122 : Unexpected value in M11; Unobtainable at M10; 99 expected')
19	, 'M1123 : Unexpected value in M10; Not applicable in M11; 88 expected; REFER TO SUPERVISOR')
20	, 'M1124 : Unexpected value in M10; Unobtainable at M11; 99 expected; REFER TO SUPERVISOR')
21	, 'M17R4 : Unexpected value in M17; D05 indicates flat with a non-heat loss roof; 8 expected')
22	, 'M18R1 : Unexpected value in M18; combi indicated as primary appliance but hot water water storage indicated at M18; REFER TO SUPERVISOR')
23	, 'M19R5 : Unexpected value in M18; M19 indicates no insulation to hot water storage; 3 expected')
24	, 'M19R6 : Unexpected value in M18; No hot water storage indicated; 8 expected')
25	, 'M19R7 : Unexpected value in M18; M19 indicates unobtainable; 9 expected')
26	, 'M20R4 : D05 indicates this is not applicable. M20 should be "no loft space"')
27	, 'M17R2 : Unexpected value - Q07/D01 indicates house without flat roof; 0, 1 to 7, 9 expected')
28	, 'M17R3 : Unexpected value - Q07/Q08 indicates flat roof only; 8 expected in M17')
29	, 'J3R6 : D01/Q07/Q08 indicate house with flat roof only; 88 in J03 expected')
30	, 'J3R8 : D01/Q07/Q08 indicate house with flat roof less than 10/10; 00, 1-10, 99 expected in J03')
31	, 'L3R2 :L01 and L02 indicate no power system in dwelling; 8 expected at L03')
32	, 'L5R4 : L01 and L02 indicate no power system in dwelling; 8 expected in L05')
100	, 'A5R1 : Error in A5 - A4 indicates not a contact and refusal; 88 expected')
101	, 'A5R2 : Error in A5 - A4 indicates a contact and refusal; 01-14 expected')
102	, 'A7aR1 : Error in A7a - A4 indicates invalid dwelling; 8 expected')
103	, 'A7bR1 : Error in A7b - A4 indicates invalid dwelling; 8 expected')
104	, 'A7cR1 : Error in A7c - A4 indicates invalid dwelling; 8 expected')
105	, 'A7dR1 : Error in A7d - A4 indicates invalid dwelling; 8 expected')
111	, '***** JO2 = ' + STRqroomsum.J03) + ', N03AREA = ' + STRqdwlmeas.N03AREA))
125	, 'C3R1 : Unexpected value in C3 - C1 indicates not isolated; 1-5 expected')
126	, 'C4R1 : Unexpected value in C4 - C2 indicates some residential; 1-6 expected')
127	, 'C4R2 : Unexpected value in C4 - C2 indicates non-residential; 8 expected')
128	, 'C5R1 : Unexpected value in C5 - C3 indicates no adjacent dwellings; 8 expected')
129	, 'C5R2 : Unexpected value in C5 - C3 indicates adjacent dwellings; 1 or 2 expected')
130	, 'C6R1 : Unexpected value in C6 - C3 indicates no adjacent dwellings; 8 expected')

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Error No.	Description
131	,'C6R2 : Unexpected value in C6 - C3 indicates adjacent dwellings; 1-3 expected')
132	,'C7R1 : Unexpected value in C7 - C3 indicates no adjacent dwellings; 8 expected')
133	,'C7R2 : Unexpected value in C7 - C3 indicates adjacent dwellings; 1-3 expected')
134	,'C8R1 : Unexpected value in C8 - C3 indicates no adjacent dwellings; 8 expected')
135	,'C8R2 : Unexpected value in C8 - C3 indicates adjacent dwellings; 1-5 expected')
150	,'D2R1 : Unexpected value in D2 - D1 indicates not a house; 1-4 expected')
151	,'D2R2 : Unexpected value in D2 - D1 indicates a house; 8 expected')
152	,'D3R1 : Unexpected value in D3 - D2 indicates not a flat; 8 expected')
153	,'D3R2 : Unexpected value in D3 - D2 indicates a flat; 1 or 2 expected')
154	,'D4R1 : Unexpected value in D4 - D2 indicates not a flat; 8 expected')
155	,'D4R2 : Unexpected value in D4 - D2 indicates a flat; 1-4 expected')
156	,'D5R1 : Unexpected value in D5 - D2 indicates not a flat; 8 expected')
157	,'D5R2 : Unexpected value in D5 - D2 indicates a flat; 1-4 expected')
158	,'D6R1 : Unexpected value in D6 - D2 indicates not a flat; 8 expected')
159	,'D6R2 : Unexpected value in D6 - D2 indicates a flat; 1-7 expected')
160	,'D7R1 : Unexpected value in D7 - D2 indicates a house; 0, 1 or 7 expected')
161	,'D8R1 : Unexpected value in D8 - D7 indicates unobtainable access; 9 expected')
162	,'D9R1 : Unexpected value in D9 - D8 indicates unobtainable access; 9 expected')
163	,'D9R2 : D08 indicates this is not applicable. Response at d09 is not consistent Please check.')
164	,'D9R3 : Unexpected value in D9 - D8 indicates some access; 1-3 expected')
165	,'D10R1 : Unexpected value in D10 - D8 indicates unobtainable access; 9 expected')
166	,'D15R1 : Unexpected value in D15 - D5 indicates flat has non heat loss roof; 8 expected')
175	,'E1R1 : Unexpected value in E1 - D1 indicates house, 2 expected')
175	,'E1R1 : Unexpected value in E1 - D1 indicates house, or D2 indicates 4-in-block flat; 2 expected')
176	,'E1R2 : Unexpected value in E1 - D2 indicates flat with common access; 1 expected')
177	,'E6R0 : Unexpected value in E6 - not a valid answer; 001-299 or 999 expected')
178	,'E6R1 : Unusual value in E6 - check value')
179	,'E7R0 : Unexpected value in E7 - not a valid answer; 002-299 or 999 expected')
180	,'E7R1 : Unusual value in E7 - check value')
181	,'E8R0 : Unexpected value in E8 - not a valid answer; 02-25 or 99 expected')
182	,'E8R1 : Unexpected value in E8 - Common block should have two or more storeys; 02-25 or 99 expected')
190	,'F2CR0 : Unexpected value in F2 Kitchen - not a valid answer; 1-4 expected')
191	,'F2DR0 : Unexpected value in F2 R1 - not a valid answer; 2-4 expected')
192	,'F2ER0 : Unexpected value in F2 R2 - not a valid answer; 2-4 expected')
193	,'F2FR0 : Unexpected value in F2 R3 - not a valid answer; 2-4 expected')
194	,'F2GR0 : Unexpected value in F2 R4 - not a valid answer; 2-4 expected')
195	,'F2HR0 : Unexpected value in F2 R5 - not a valid answer; 2-4 expected')
196	,'F2IR0 : Unexpected value in F2 Bathroom - not a valid answer; 5-7 expected')
200	,'G1BR0 : Unexpected value in G1 Hall - F1 Hall indicates room surveyed; 00,55,01-10,88 or 99 expected')
201	,'G1CR0 : Unexpected value in G1 Kitchen - F1 Kitchen indicates room surveyed; 00,55,01-10,88 or 99 expected')
202	,'G1DR0 : Unexpected value in G1 R1 - F1 R1 indicates room surveyed; 00,55,01-10,88 or 99 expected')
203	,'G1ER0 : Unexpected value in G1 R2 - F1 R2 indicates room surveyed; 00,55,01-10,88 or 99 expected')
204	,'G1FR0 : Unexpected value in G1 R3 - F1 R3 indicates room surveyed; 00,55,01-10,88 or 99 expected')
205	,'G1GR0 : Unexpected value in G1 R4 - F1 R4 indicates room surveyed; 00,55,01-10,88 or 99 expected')
206	,'G1HR0 : Unexpected value in G1 R5 - F1 R5 indicates room surveyed; 00,55,01-10,88 or 99 expected')
207	,'G1IR0 : Unexpected value in G1 Bathroom - F1 Bathroom indicates room surveyed; 00,55,01-10,88 or 99 expected')
208	,'G2BR0 : Unexpected value in G2 Hall - F1 Hall indicates room surveyed; 00,55,01-10,88 or 99 expected')
209	,'G2CR0 : Unexpected value in G2 Kitchen - F1 Kitchen indicates room surveyed; 00,55,01-10,88 or 99 expected')
210	,'G2DR0 : Unexpected value in G2 R1 - F1 R1 indicates room surveyed; 00,55,01-10,88 or 99 expected')
211	,'G2ER0 : Unexpected value in G2 R2 - F1 R2 indicates room surveyed; 00,55,01-10,88 or 99 expected')

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Error No.	Description
212	'G2FR0 : Unexpected value in G2 R3 - F1 R3 indicates room surveyed; 00,55,01-10,88 or 99 expected')
213	'G2GR0 : Unexpected value in G2 R4 - F1 R4 indicates room surveyed; 00,55,01-10,88 or 99 expected')
214	'G2HR0 : Unexpected value in G2 R5 - F1 R5 indicates room surveyed; 00,55,01-10,88 or 99 expected')
215	'G2IR0 : Unexpected value in G2 Bathroom - F1 Bathroom indicates room surveyed; 00,55,01-10,88 or 99 expected')
216	'G3BR0 : Unexpected value in G3 Hall - F1 Hall indicates room surveyed; 00,55,01-10,88 or 99 expected')
217	'G3CR0 : Unexpected value in G3 Kitchen - F1 Kitchen indicates room surveyed; 00,55,01-10,88 or 99 expected')
218	'G3DR0 : Unexpected value in G3 R1 - F1 R1 indicates room surveyed; 00,55,01-10,88 or 99 expected')
219	'G3ER0 : Unexpected value in G3 R2 - F1 R2 indicates room surveyed; 00,55,01-10,88 or 99 expected')
220	'G3FR0 : Unexpected value in G3 R3 - F1 R3 indicates room surveyed; 00,55,01-10,88 or 99 expected')
221	'G3GR0 : Unexpected value in G3 R4 - F1 R4 indicates room surveyed; 00,55,01-10,88 or 99 expected')
222	'G3HR0 : Unexpected value in G3 R5 - F1 R5 indicates room surveyed; 00,55,01-10,88 or 99 expected')
223	'G3IR0 : Unexpected value in G3 Bathroom - F1 Bathroom indicates room surveyed; 00,55,01-10,88 or 99 expected')
224	'G4BR0 : Unexpected value in G4 Hall - F1 Hall indicates room surveyed; 00,55,01-10,88 or 99 expected')
225	'G4CR0 : Unexpected value in G4 Kitchen - F1 Kitchen indicates room surveyed; 00,55,01-10,88 or 99 expected')
226	'G4DR0 : Unexpected value in G4 R1 - F1 R1 indicates room surveyed; 00,55,01-10,88 or 99 expected')
227	'G4ER0 : Unexpected value in G4 R2 - F1 R2 indicates room surveyed; 00,55,01-10,88 or 99 expected')
228	'G4FR0 : Unexpected value in G4 R3 - F1 R3 indicates room surveyed; 00,55,01-10,88 or 99 expected')
229	'G4GR0 : Unexpected value in G4 R4 - F1 R4 indicates room surveyed; 00,55,01-10,88 or 99 expected')
230	'G4HR0 : Unexpected value in G4 R5 - F1 R5 indicates room surveyed; 00,55,01-10,88 or 99 expected')
231	'G4IR0 : Unexpected value in G4 Bathroom - F1 Bathroom indicates room surveyed; 00,55,01-10,88 or 99 expected')
232	'G5BR0 : Unexpected value in G5 Hall - F1 Hall indicates room surveyed; 00,55,01-10,88 or 99 expected')
233	'G5CR0 : Unexpected value in G5 Kitchen - F1 Kitchen indicates room surveyed; 00,55,01-10,88 or 99 expected')
234	'G5DR0 : Unexpected value in G5 R1 - F1 R1 indicates room surveyed; 00,55,01-10,88 or 99 expected')
235	'G5ER0 : Unexpected value in G5 R2 - F1 R2 indicates room surveyed; 00,55,01-10,88 or 99 expected')
236	'G5FR0 : Unexpected value in G5 R3 - F1 R3 indicates room surveyed; 00,55,01-10,88 or 99 expected')
237	'G5GR0 : Unexpected value in G5 R4 - F1 R4 indicates room surveyed; 00,55,01-10,88 or 99 expected')
238	'G5HR0 : Unexpected value in G5 R5 - F1 R5 indicates room surveyed; 00,55,01-10,88 or 99 expected')
239	'G5IR0 : Unexpected value in G5 Bathroom - F1 Bathroom indicates room surveyed; 00,55,01-10,88 or 99 expected')
240	'G6BR0 : Unexpected value in G6 Hall - F1 Hall indicates room surveyed; 00,55,01-10,88 or 99 expected')
241	'G6CR0 : Unexpected value in G6 Kitchen - F1 Kitchen indicates room surveyed; 00,55,01-10,88 or 99 expected')
242	'G6DR0 : Unexpected value in G6 R1 - F1 R1 indicates room surveyed; 00,55,01-10,88 or 99 expected')
243	'G6ER0 : Unexpected value in G6 R2 - F1 R2 indicates room surveyed; 00,55,01-10,88 or 99 expected')
244	'G6FR0 : Unexpected value in G6 R3 - F1 R3 indicates room surveyed; 00,55,01-10,88 or 99 expected')
245	'G6GR0 : Unexpected value in G6 R4 - F1 R4 indicates room surveyed; 00,55,01-10,88 or 99 expected')
246	'G6HR0 : Unexpected value in G6 R5 - F1 R5 indicates room surveyed; 00,55,01-10,88 or 99 expected')
247	'G6IR0 : Unexpected value in G6 Bathroom - F1 Bathroom indicates room surveyed; 00,55,01-10,88 or 99 expected')
248	'G7BR0 : Unexpected value in G7 Hall - F1 Hall indicates room surveyed; 00,55,01-10,88 or 99 expected')
249	'G7CR0 : Unexpected value in G7 Kitchen - F1 Kitchen indicates room surveyed; 00,55,01-10,88 or 99 expected')
250	'G7DR0 : Unexpected value in G7 R1 - F1 R1 indicates room surveyed; 00,55,01-10,88 or 99 expected')
251	'G7ER0 : Unexpected value in G7 R2 - F1 R2 indicates room surveyed; 00,55,01-10,88 or 99 expected')
252	'G7FR0 : Unexpected value in G7 R3 - F1 R3 indicates room surveyed; 00,55,01-10,88 or 99 expected')
253	'G7GR0 : Unexpected value in G7 R4 - F1 R4 indicates room surveyed; 00,55,01-10,88 or 99 expected')
254	'G7HR0 : Unexpected value in G7 R5 - F1 R5 indicates room surveyed; 00,55,01-10,88 or 99 expected')
255	'G7IR0 : Unexpected value in G7 Bathroom - F1 Bathroom indicates room surveyed; 00,55,01-10,88 or 99 expected')
256	'G8BR0 : Unexpected value in G8 Hall - F1 Hall indicates room surveyed; 00,55,01-10,88 or 99 expected')
257	'G8CR0 : Unexpected value in G8 Kitchen - F1 Kitchen indicates room surveyed; 00,55,01-10,88 or 99 expected')

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Error No.	Description
258	,'G8DR0 : Unexpected value in G8 R1 - F1 R1 indicates room surveyed; 00,55,01-10,88 or 99 expected')
259	,'G8ER0 : Unexpected value in G8 R2 - F1 R2 indicates room surveyed; 00,55,01-10,88 or 99 expected')
260	,'G8FR0 : Unexpected value in G8 R3 - F1 R3 indicates room surveyed; 00,55,01-10,88 or 99 expected')
261	,'G8GR0 : Unexpected value in G8 R4 - F1 R4 indicates room surveyed; 00,55,01-10,88 or 99 expected')
262	,'G8HR0 : Unexpected value in G8 R5 - F1 R5 indicates room surveyed; 00,55,01-10,88 or 99 expected')
263	,'G8IR0 : Unexpected value in G8 Bathroom - F1 Bathroom indicates room surveyed; 00,55,01-10,88 or 99 expected')
300	,'I1R0 : Unexpected value in I1 - not a valid answer; 00,55,01-10,88 or 99 expected')
301	,'I2R0 : Unexpected value in I2 - not a valid answer; 00,55,01-10,88 or 99 expected')
302	,'I2R1 : Unexpected value in I2 - D1 indicates detached house; 88 expected')
303	,'I3R0 : Unexpected value in I3 - not a valid answer; 00,55,01-10,88 or 99 expected')
310	,'J1R0 : Unexpected value in J1 - not a valid answer; 00-90 or 99 expected')
311	,'J1R1 : WARNING - Unusual value in J1 - check value')
312	,'J1R2 : Unexpected value in J1 - F1 R5 indicates R5 does not exist; 01-05 expected')
313	,'J1R3 : Unexpected value in J1 - F1 R4 indicates R4 does not exist; 01-04 expected')
314	,'J1R4 : Unexpected value in J1 - F1 R3 indicates R3 does not exist; 01-03 expected')
315	,'J1R5 : Unexpected value in J1 - F1 R2 indicates R2 does not exist; 01 or 02 expected')
316	,'J1R6 : Unexpected value in J1 - F1 R1 indicates R1 does not exist; 01 expected')
317	,'J1R7 : Unexpected value in J1 - F2 R5, F2 R4, F2 R3, F2 R2, F2 R1 & F2 Kitchen are unobtainable; 99 expected')
318	,'J3R0 : Unexpected value in J3 - not a valid answer; 01-90 or 99 expected')
319	,'J3R1 : WARNING - Unusual value in J3 - check value')
320	,'J3R2 : Error in J3 - rooms in basement more than rooms in dwelling')
321	,'J3R3 : Unexpected value in J3 - D7 indicates basement present; 00,01-10 or 99 expected')
325	,'K1R1 : Unexpected value in K1 - F1/Bathroom indicates no bathroom in dwelling; 2-4 or 8 expected')
326	,'K1R2 : Unexpected value in K1 - F2/Bathroom indicates some form of bathroom in dwelling; 1 expected')
327	,'K1R3 : Unexpected value in K1 - F1/F2 indicate some form of bathroom in dwelling; 1 expected')
328	,'K2R1 : Unexpected value in K2 - K1 indicates no bathroom; 8 expected')
329	,'K2R2 : Unexpected value in K2 - K1 indicates bathroom/unob; 1-3 or 9 expected')
330	,'K2R3 : Unexpected value in K2 - K1 indicates unobtainable bathroom; 9 expected')
331	,'K2R4 : Unexpected value in K2 - K1 indicates bathroom/no bathroom; 1-3 or 8 expected')
332	,'K3R1 : Unexpected value in K3 - K1 indicates bathroom is in dwelling; 1 or 2 expected')
333	,'K4R1 : Unexpected value in K4 - K3 indicates no WC; 1 expected')
334	,'K4R2 : Unexpected value in K4 - K3 indicates WC not within dwelling; 1 expected')
335	,'K5R1 : Unexpected value in K5 - K3 indicates WC within dwelling or building; 1 or 2 expected')
336	,'K5R2 : Unexpected value in K5 - K3 indicates location of WC unobtainable; 9 expected')
337	,'K5R3 : Unexpected value in K5 - K3 indicates no WC; 8 expected')
338	,'K6R1 : Unexpected value in K6 - K3 indicates no WC; 8 expected')
339	,'K6R2 : Unexpected value in K6 - K3 indicates location of WC unobtainable; 9 expected')
340	,'K7R1 : Unexpected value in K7 - K3 indicates WC in dwelling; 01-99 expected')
341	,'K8R1 : Unexpected value in K8 - K3 indicates no exclusive WC in dwelling; 8 expected')
342	,'K8R2 : Unexpected value in K8 - K3 indicates unobtainable WC; 9 expected')
343	,'K9R1 : Unexpected value in K9 - K6 indicates no wash hand basin; 8 expected')
344	,'K9R2 : Unexpected value in K9 - K6 indicates wash hand basin unobtainable; 9 expected')
345	,'K11R1 : Unexpected value in K11 - K1 indicates bathroom is in the dwelling; 0,1-4 or 9 expected')
346	,'K11R2 : Unexpected value in K11 - K1 indicates bathroom not inside dwelling; 8 expected')
347	,'K11R3 : Unexpected value in K11 - K1 indicates bathroom location is unobtainable; 9 expected')
348	,'K12R1 : Unexpected value in K12 - K1 indicates bathroom is in the dwelling; 0,1-4 or 9 expected')
349	,'K12R2 : Unexpected value in K12 - K1 indicates bathroom not inside dwelling; 8 expected')
350	,'K12R3 : Unexpected value in K12 - K1 indicates bathroom location is unobtainable; 9 expected')
351	,'K13R1 : Unexpected value in K13 - F1/Kitchen indicates no kitchen in dwelling; 8 expected')
352	,'K14R1 : Unexpected value in K14 - F1/Kitchen indicates no kitchen in dwelling; 8 expected')

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Error No.	Description
353	'K14R2 : Unexpected value in K14 - K13 indicates no sink; 8 expected')
354	'K15R1 : WARNING - F1/F2 indicate some form of kitchen in dwelling; K15 indicates no kitchen storage and worktops')
355	'K16R1 : Unexpected value in K16 - K15 indicates no kitchen storage/worktops; 8 expected')
356	'K16R2 : Unexpected value in K16 - K15 indicates unob kitchen storage/worktops; 9 expected')
357	'K16R3 : Unexpected value in K16 - K15 indicates kitchen storage/worktops; 1-3 expected')
358	'K17R1 : Unexpected value in K17 - K15 indicates no kitchen storage provision; 5 expected')
359	'K17R2 : Unexpected value in K17 - K15 indicates kitchen storage and worktops unobtainable; 9 expected')
360	'K07R3 : Unexpected value in K7 - J1 has to greater than K7')
375	'L1R1 : Unexpected value in L1 - H9 Hall indicates a socket; 1 or 2 expected')
376	'L1R2 : Unexpected value in L1 - H9 Kitchen indicates a socket; 1 or 2 expected')
377	'L1R3 : Unexpected value in L1 - H9 R1 indicates a socket; 1 or 2 expected')
378	'L1R4 : Unexpected value in L1 - H9 R2 indicates a socket; 1 or 2 expected')
379	'L1R5 : Unexpected value in L1 - H9 R3 indicates a socket; 1 or 2 expected')
380	'L1R6 : Unexpected value in L1 - H9 R4 indicates a socket; 1 or 2 expected')
381	'L1R7 : Unexpected value in L1 - H9 R5 indicates a socket; 1 or 2 expected')
382	'L1R8 : Unexpected value in L1 - H9 Bathroom indicates a socket; 1 or 2 expected')
383	'L3R1 : Unexpected value in L3 - L1 and L2 indicate no electrical power system in dwelling; 8 expected')
384	'L4R1 : Unexpected value in L4 - conservatory indicated at D14; 1,2 or 9 expected')
385	'L4R2 : Unexpected value in L4 - No conservatory indicated at D14; 8 expected')
386	'L4R3 : Unexpected value in L4 - D14 is unobtainable; 9 expected')
387	'L5R1 : Unexpected value in L5 - Electricity present at L1 / L2; 1,2 or 9 expected')
387	'L5R1a : Unexpected value in L5 - Electricity present at L1 / L2; 1,2 or 9 expected')
387	'L5R1b : Unexpected value in L5 - Electricity present at L1 / L2; 1,2 or 9 expected')
388	'L5R2 : Unexpected value in L5 - No electricity present at L1 / L2; 8 expected')
389	'L5R3 : Unexpected value in L5 - L3 standard of electrical power system is unobtainable; 9 expected')
390	'L6R1 : Unexpected value in L6 - L1 and L2 indicates no electrical system present; 8 expected')
391	'L7R1 : Unexpected value in L7 - L1 indicates electricity present in dwelling; 1,2 or 9 expected')
392	'L7R2 : Unexpected value in L7 - L1 indicates no electricity in dwelling; 8 expected')
393	'L7R3 : Unexpected value in L7 - L1 is unobtainable; 9 expected')
394	'L8R1 : Unexpected value in L8 - L1 indicates electricity present in dwelling; 1,2 or 9 expected')
395	'L8R2 : Unexpected value in L8 - L1 indicates no electricity in dwelling; 8 expected')
396	'L8R3 : Unexpected value in L8 - L1 is unobtainable; 9 expected')
397	'L15R1 : Unexpected value in L15 - L10 indicates no water system within dwelling; 8 expected')
398	'L15R2 : Unexpected value in L15 - L10 indicates water system within dwelling unobtainable; 9 expected')
399	'L16R1 : Unexpected value in L16 - L10 indicates no water system within dwelling; 8 expected')
425	'M2R1 : Unexpected value in M2 - Wet CH system indicated at M1; 1 to 3 expected')
426	'M2R2 : Unexpected value in M2 - Dry CH system indicated at M1; 8 expected')
427	'M3R1 : Unexpected value in M3 - room heaters inicated at M1; 8 expected')
428	'M3R2 : Unexpected value in M3 - CH system indicated at M1; 1,2 or 9 expected')
430	'M4R3 : Unexpected value in M4 -Sstorage heaters indicated at M1; 12 expected')
431	'M4R4 : Unexpected value in M04; Room heating indicated in M01; 1..3,6..11 expected')
432	'M4R5 : Unexpected value in M04; Warm air system indicated in M01; 1 to 5,6,11,12 expected')
436	'M6R3 : Unexpected value in M6 - M1/M4 indicates non oil boiler system; 8 expected')
437	'M7R2 : Unexpected value in M07; Non-room heater system indicated at M01; 8 expected')
438	'M7R3 : Unexpected value in M07; Gas room heater indicated at M01/M04; 1 to 5 expected')
439	'M8R2 : Unexpected value in M08; Non-room heater indicated in M01; 3,4,5,6,8 expected')
440	'M8R3 : Unexpected value in M08; Solid fuel room heater indicated at M01/M04; 1 to 4 expected')
441	'M8R4 : Unexpected value in M8 - M1, M2 and M4 indicate a solid fuel boiler system with heat emitters; 8 expected')
442	'M9R2 : Unexpected value in M09; No storage heater indicated in M01; 8 expected')
443	'M9R3 : Unexpected value in M9 - M1 indicates no storage heater system; 8 expected')

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Error No.	Description
443	'M11R' + str(i) + spacer +': Unexpected value in M11 - M4 Primary heating Fuel must match the M11 water heating fuel where M10 principal hot water heating source is the primary heating source')
458	','M11R15: Unexpected value in M11 - M4 Primary heating Fuel is not applicable, M10 principal hot water heating source is the primary heating source; 88 expected')
459	','M11R16: Unexpected value in M11 - M4 Primary heating Fuel is unobtainable, M10 principal hot water heating source is the primary heating source; 99 expected')
460	','M12R2: Unexpected value in M12 - M3 indicates no central heating; 8 expected')
461	','M12R3: Unexpected value in M12 - M3 indicates some central heating; 0-4 or 9 expected')
462	','M12R4: Unexpected value in M12 - M3 indicates unobtainable extent of CH; 9 expected')
463	','M12R5: M03 indicates central heating; m12 should not be "no amenity". Please check')
464	','M13R2: Unexpected value in M13 - M3 indicates no central heating; 8 expected')
465	','M13R3: Unexpected value in M13 - M3 indicates some central heating; 0-4 or 9 expected')
466	','M13R4: Unexpected value in M13 - M3 indicates unobtainable extent of CH; 9 expected')
467	','M13R5: Unexpected value in M13 - M3 indicates central heating; 0-4 expected')
468	','M15R2: Unexpected value in M15 - M14 indicates no controls present; 8 expected')
469	','M15R3: Unexpected value in M15 - M14 indicates controls unobtainable; 8 expected')
470	','M16R1: Unexpected value in M16 - M1 indicates storage heating; 1-7 or 9 expected')
474	','M18R2: Unexpected value in M18 - M1 indicates combi boiler heating the water
475	','M19R2: Unexpected value in M19 - M18 indicates no insulation to hot water storage; 3 expected')
476	','M19R3: Unexpected value in M19 - M18 indicates no hot water storage; 8 expected')
477	','M19R4: Unexpected value in M19 - M18 indicates unobtainable; 9 expected')
478	','M20R2: Unexpected value in M20 - M17 indicates not applicable for loft space; 4 expected')
479	','M20R3: Unexpected value in M20 - M17 indicates loft space unobtainable; 9 expected')
480	','M21R2: Unexpected value in M21 - D14 indicates conservatory present; 1-4 or 9 expected')
481	','M21R3: Unexpected value in M21 - D14 indicates no conservatory present; 8 expected')
482	','M21R4: Unexpected value in M21 - D14 indicates unobtainable for conservatory; 9 expected')
483	','M22R2: Unexpected value in M22 - M21 indicates no conservatory; 8 expected')
484	','M22R3: Unexpected value in M22 - M22 indicates unobtainable for conservatory; 9 expected')
500	','N1AR1: Unexpected value in N1 area - Ground or Lowest floor should not be Not Applicable; 020-800 or 999 expected')
501	','L18R2: Unexpected value in L18 - L6 is unobtainable; 9 expected')
501	','N1BR1: Unexpected value in N1 measurement type - Ground or Lowest floor should not be Not Applicable; 1,2 or 9 expected')
502	','N1CR1: Unexpected value in N1 height - Ground or Lowest floor should not be Not Applicable; 1.5-4.0 or 9.9 expected')
503	','N2AR1: Unexpected value in N2 area - J2 and/or J03 indicates more than one floor; 020-800 or 999 expected')
504	','N3AR1: Unexpected value in N3A - J2 and/or J3 indicates more than two floors; 020-800 or 999 expected')
505	','N4AR1: Unexpected value in N4 area - J2 and/or J3 indicates more than three floors; 020-800 or 999 expected')
506	','N5AR1: Unexpected value in N5 area - J2 and/or J3 indicates more than four floors; 020-800 or 999 expected')
507	','N2BR1: Unexpected value in N2TYPE - J2 and/or J3 indicates more than one floor; 1,2 or 9 expected')
508	','N3BR1: Unexpected value in N3type - J2 and/or J3 indicates more than two floors; 1,2 or 9 expected')
509	','N4BR1: Unexpected value in N4type - J2 and/or J3 indicates more than three floors; 1,2 or 9 expected')
511	','N2CR1: Unexpected value in N02HGT - J2 and/or J3 indicates more than one floor; 1.5-4 or 9.9 expected')
511	','N2CR1: Unexpected value in N2type - J2 and/or J3 indicates more than one floor; 1.5-4 or 9.9 expected')
512	','N3CR1: Unexpected value in N3HGT - J2 and/or J3 indicates more than two floors; 1.5-4.0 or 9.9 expected')
513	','N4CR1: Unexpected value in N4HGT - J2 and/or J3 indicates more than three floors; 1.5-4.0 or 9.9 expected')
514	','N5CR1: Unexpected value in N5HGT - J2 and/or J3 indicates more than three floors; 1.5-4.0 or 9.9 expected')
515	','N2AR2: a Unexpected value in N2 area - J2 and/or J3 indicates only one floor; 888 expected')
515	','N2AR2: b Unexpected value in N2 area - J2 and/or J3 indicates only one floor; 888 expected')
515	','N2AR2: Unexpected value in N2 area - J2 and/or J3 indicates only one floor; 888 expected')
516	','N3AR2: Unexpected value in N3 area - J2 and/or J3 indicates only two floors; 888 expected')

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Error No.	Description
517	'N4AR2 : Unexpected value in N4 area - J2 and/or J3 indicates only three floors; 888 expected')
518	'N5AR2 : Unexpected value in N5 area - J2 and/or J3 indicates only four floors; 888 expected')
519	'N2BR2 : Unexpected value in N2type - J2 and/or J3 indicates only one floor; 8 expected')
521	'N4BR2 : Unexpected value in N4type - J2 and/or J3 indicates only three floors; 8 expected')
522	'N5BR2 : Unexpected value in N5type - J2 and/or J3 indicates only four floors; 8 expected')
523	'N2CR2 : Unexpected value in N2 height - J2 indicates only one floor; 8.8 expected')
523	'N2CR2 : Unexpected value in N2HGT - J2 and/or J3 indicates only one floor; 8.8 expected')
524	'N3CR2 : Unexpected value in N3 height - J2 indicates only two floors or less; 8.8 expected')
524	'N3CR2 : Unexpected value in N3HGT - J2 and/or J3 indicates only two floors; 8.8 expected 3')
524	'N3CR2 : Unexpected value in N3HGT - J2 and/or J3 indicates only two floors; 8.8 expected')
525	'N4CR2 : Unexpected value in N4 height - J2 indicates only three floors or less; 8.8 expected')
525	'N4CR2 : Unexpected value in N4HGT - J2 and/or J3 indicates only three floors; 8.8 expected')
526	'N5CR2 : Unexpected value in N5 height - J2 indicates only four floors or less; 8.8 expected')
526	'N5CR2 : Unexpected value in N5HGT - J2 and/or J3 indicates only four floors; 8.8 expected')
527	'N2CR2 : Unexpected value in N2 height - J2 indicates only one floor; 8.8 expected')
527	'N2CR2 : Unexpected value in N2 height - J2 indicates two or more floors but 8.8 supplied')
528	'N3CR2 : Unexpected value in N3 height - J2 indicates fewer than ; 8.8 expected') }
528	'N3CR2 : Unexpected value in N3 height - J2 indicates three or more floors but 8.8 supplied')
529	'N4CR2 : Unexpected value in N4 height - J2 indicates fewer than 4 floors; 8.8 expected') }
529	'N4CR2 : Unexpected value in N4 height - J2 indicates four or more floors but 8.8 supplied')
530	'N5CR2 : Unexpected value in N5 height - J2 indicates fewer than 5 floors; 8.8 expected') }
530	'N5CR2 : Unexpected value in N5 height - J2 indicates five floors but 8.8 supplied')
550	'O1R1 : Unexpected value in O1 - D1 indicates house or D2 indicates 4-in-block flat; 2 expected')
551	'O1R2 : Unexpected value in O1 - D2 indicates flat with common access; 1 expected')
552	'O2R1 : Unexpected value in O2 - D2 indicates a tenement type; 1 or 2 expected')
553	'O2R2 : Unexpected value in O2 - D2 indicates a tower/slab; 2-7 expected')
554	'O5R1 : Unexpected value in O5 - O4 indicates no lifts; 8 expected')
600	'P1BR1 : Unexpected value in P1 repair urgent - P1 repair assessment indicates no repair; 8 expected')
602	'P3BR1 : Unexpected value in P3 repair urgent - P3 repair assessment indicates no repair; 8 expected')
603	'P4BR1 : Unexpected value in P4 repair urgent - P4 repair assessment indicates no repair; 8 expected')
605	'P6BR1 : Unexpected value in P6 repair urgent - P6 repair assessment indicates no repair; 8 expected')
606	'P7BR1 : Unexpected value in P7 repair urgent - P7 repair assessment indicates no repair; 8 expected')
607	'N5BR1 : Unexpected value in N5type - J2 and/or J3 indicates more than one floor; 1,2 or 9 expected')
607	'P2BR1 : Unexpected value in P2 repair urgent - P2 repair assessment indicates no repair; 8 expected')
607	'P5BR1 : Unexpected value in P5 repair urgent - P5 repair assessment indicates no repair; 8 expected')
607	'P8BR1 : Unexpected value in P8 repair urgent - P8 repair assessment indicates no repair; 8 expected')
608	'P9BR1 : Unexpected value in P9 repair urgent - P9 repair assessment indicates no repair; 8 expected')
609	'P10BR1: Unexpected value in P10 repair urgent - P10 repair assessment indicates no repair; 8 expected')
610	'P11BR1: Unexpected value in P11 repair urgent - P11 repair assessment indicates no repair; 8 expected')
611	'P12BR1: Unexpected value in P12 repair urgent - P12 repair assessment indicates no repair; 8 expected')
612	'P13BR1: Unexpected value in P13 repair urgent - P13 repair assessment indicates no repair; 8 expected')
613	'P1BR2 : Unexpected value in P1 repair urgent - P1 repair assessment indicates unobtainable; 9 expected')
614	'P2BR2 : Unexpected value in P2 repair urgent - P2 repair assessment indicates unobtainable; 9 expected')
615	'P3BR2 : Unexpected value in P3 repair urgent - P3 repair assessment indicates unobtainable; 9 expected')
616	'P4BR2 : Unexpected value in P4 repair urgent - P4 repair assessment indicates unobtainable; 9 expected')
617	'P5BR2 : Unexpected value in P5 repair urgent - P5 repair assessment indicates unobtainable; 9 expected')
618	'P6BR2 : Unexpected value in P6 repair urgent - P6 repair assessment indicates unobtainable; 9 expected')
619	'P7BR2 : Unexpected value in P7 repair urgent - P7 repair assessment indicates unobtainable; 9 expected')
620	'P8BR2 : Unexpected value in P8 repair urgent - P8 repair assessment indicates unobtainable; 9 expected')
621	'P9BR2 : Unexpected value in P9 repair urgent - P9 repair assessment indicates unobtainable; 9 expected')
622	'P10BR2: Unexpected value in P10 repair urgent - P10 repair assessment indicates unobtainable; 9 expected')

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Error No.	Description
623	,'P11BR2: Unexpected value in P11 repair urgent - P11 repair assessment indicates unobtainable; 9 expected')
624	,'P12BR2: Unexpected value in P12 repair urgent - P12 repair assessment indicates unobtainable; 9 expected')
625	,'P13BR2: Unexpected value in P13 repair urgent - P13 repair assessment indicates unobtainable; 9 expected')
626	,'P1BR3 : Unexpected value in P1 repair urgent - P1 repair assessment indicates repair; 1 or 2 expected')
627	,'P2BR3 : Unexpected value in P2 repair urgent - P2 repair assessment indicates repair; 1 or 2 expected')
628	,'P3BR3 : Unexpected value in P3 repair urgent - P3 repair assessment indicates repair; 1 or 2 expected')
629	,'P4BR3 : Unexpected value in P4 repair urgent - P4 repair assessment indicates repair; 1 or 2 expected')
630	,'P5BR3 : Unexpected value in P5 repair urgent - P5 repair assessment indicates repair; 1 or 2 expected')
631	,'P6BR3 : Unexpected value in P6 repair urgent - P6 repair assessment indicates repair; 1 or 2 expected')
632	,'P7BR3 : Unexpected value in P7 repair urgent - P7 repair assessment indicates repair; 1 or 2 expected')
633	,'P8BR3 : Unexpected value in P8 repair urgent - P8 repair assessment indicates repair; 1 or 2 expected')
634	,'P9BR3 : Unexpected value in P9 repair urgent - P9 repair assessment indicates repair; 1 or 2 expected')
635	,'P10BR3: Unexpected value in P10 repair urgent - P10 repair assessment indicates repair; 1 or 2 expected')
636	,'P11BR3: Unexpected value in P11 repair urgent - P11 repair assessment indicates repair; 1 or 2 expected')
637	,'P12BR3: Unexpected value in P12 repair urgent - P12 repair assessment indicates repair; 1 or 2 expected')
638	,'P13BR3: Unexpected value in P13 repair urgent - P13 repair assessment indicates repair; 1 or 2 expected')
639	,'P1CR1 : Unexpected value in P1 residual life - P1 repair assessment indicates not applicable; 8 expected')
640	,'P2CR1 : Unexpected value in P2 residual life - P2 repair assessment indicates not applicable; 8 expected')
641	,'P3CR1 : Unexpected value in P3 residual life - P3 repair assessment indicates not applicable; 8 expected')
642	,'P4CR1 : Unexpected value in P4 residual life - P4 repair assessment indicates not applicable; 8 expected')
643	,'P5CR1 : Unexpected value in P5 residual life - P5 repair assessment indicates not applicable; 8 expected')
644	,'P6CR1 : Unexpected value in P6 residual life - P6 repair assessment indicates not applicable; 8 expected')
645	,'P7CR1 : Unexpected value in P7 residual life - P7 repair assessment indicates not applicable; 8 expected')
646	,'P8CR1 : Unexpected value in P8 residual life - P8 repair assessment indicates not applicable; 8 expected')
647	,'P9CR1 : Unexpected value in P9 residual life - P9 repair assessment indicates not applicable; 8 expected')
648	,'P10CR1: Unexpected value in P10 residual life - P10 repair assessment indicates not applicable; 8 expected')
649	,'P11CR1: Unexpected value in P11 residual life - P11 repair assessment indicates not applicable; 8 expected')
650	,'P12CR1: Unexpected value in P12 residual life - P12 repair assessment indicates not applicable; 8 expected')
651	,'P13CR1: Unexpected value in P13 residual life - P13 repair assessment indicates not applicable; 8 expected')
652	,'P1CR2 : Unexpected value in P1 residual life - P1 repair assessment indicates unobtainable; 9 expected')
653	,'P2CR2 : Unexpected value in P2 residual life - P2 repair assessment indicates unobtainable; 9 expected')
654	,'P3CR2 : Unexpected value in P3 residual life - P3 repair assessment indicates unobtainable; 9 expected')
655	,'P4CR2 : Unexpected value in P4 residual life - P4 repair assessment indicates unobtainable; 9 expected')
656	,'P5CR2 : Unexpected value in P5 residual life - P5 repair assessment indicates unobtainable; 9 expected')
657	,'P6CR2 : Unexpected value in P6 residual life - P6 repair assessment indicates unobtainable; 9 expected')
658	,'P7CR2 : Unexpected value in P7 residual life - P7 repair assessment indicates unobtainable; 9 expected')
659	,'P8CR2 : Unexpected value in P8 residual life - P8 repair assessment indicates unobtainable; 9 expected')
660	,'P9CR2 : Unexpected value in P9 residual life - P9 repair assessment indicates unobtainable; 9 expected')
661	,'P10CR2: Unexpected value in P10 residual life - P10 repair assessment indicates unobtainable; 9 expected')
662	,'P11CR2: Unexpected value in P11 residual life - P11 repair assessment indicates unobtainable; 9 expected')
663	,'P12CR2: Unexpected value in P12 residual life - P12 repair assessment indicates unobtainable; 9 expected')
664	,'P13CR2: Unexpected value in P13 residual life - P13 repair assessment indicates unobtainable; 9 expected')
665	,'P1CR3 : Unexpected value in P1 residual life - P1 repair assessment indicates repair; 1-4 expected')
666	,'P2CR3 : Unexpected value in P2 residual life - P2 repair assessment indicates repair; 1-4 expected')
667	,'P3CR3 : Unexpected value in P3 residual life - P3 repair assessment indicates repair; 1-4 expected')
668	,'P4CR3 : Unexpected value in P4 residual life - P4 repair assessment indicates repair; 1-4 expected')
669	,'P5CR3 : Unexpected value in P5 residual life - P5 repair assessment indicates repair; 1-4 expected')
670	,'P6CR3 : Unexpected value in P6 residual life - P6 repair assessment indicates repair; 1-4 expected')

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Error No.	Description
671	'P7CR3 : Unexpected value in P7 residual life - P7 repair assessment indicates repair; 1-4 expected')
672	'P8CR3 : Unexpected value in P8 residual life - P8 repair assessment indicates repair; 1-4 expected')
673	'P9CR3 : Unexpected value in P9 residual life - P9 repair assessment indicates repair; 1-4 expected')
674	'P10CR3: Unexpected value in P10 residual life - P10 repair assessment indicates repair; 1-4 expected')
675	'P11CR3: Unexpected value in P11 residual life - P11 repair assessment indicates repair; 1-4 expected')
676	'P12CR3: Unexpected value in P12 residual life - P12 repair assessment indicates repair; 1-4 expected')
677	'P13CR3: Unexpected value in P13 residual life - P13 repair assessment indicates repair; 1-4 expected')
678	'P1AR4 : Unexpected value in P1 repair assessment - O3 indicates no stairs; 88 expected')
679	'P1AR5 : Unexpected value in P1 repair assessment - O3 indicates unob stairs; 99 expected')
680	'P3AR4 : Unexpected value in P3 repair assessment - O3 indicates tenement type; 88 expected')
681	'P7AR4 : Unexpected value in P7 repair assessment - O4 indicates no lifts; 88 expected')
682	'P7AR5 : Unexpected value in P7 repair assessment - O4 indicates unob lifts; 99 expected')
700	'Q1R4 : Unexpected value in Q1 - D1/E2 indicates detached house/block; 4 expected')
701	'Q1R5 : Unexpected value in Q1 - D1/E2 indicates end/ter,semi-det house/block; 1,2 or 9 expected')
702	'Q1R6 : Unexpected value in Q1 - D1/E2 indicates mid,corner,mid_terr house/block; 1,2,3 or 9 expected')
703	'Q1R7 : Unexpected value in Q1 - D1/E2 indicates a semi/end terrace house/common block; 1 or 2 expected')
704	'Q2R3 : Unexpected value in Q2 - D13 indicates a pre 1919 dwelling; 1 or 3 expected')
705	'Q2R4 : Unexpected value in Q2 - D13 indicates a post 1975 dwelling; 2 or 3 expected')
706	'Q3R3 : Unexpected value in Q3 - D13 indicates a pre 1919 dwelling; 1,2 or 3 expected')
707	'Q5R3 : Unexpected value in Q5 - D13 and Q3 indicate a pre 1919 solid stone wall; 2 or 3 expected')
708	'Q5R4 : Unexpected value in Q5 - D13 indicates a 1919 to Post 1997 dwelling; 1 expected')
709	'Q6R3 : Unexpected value in Q6 - Q2 indicates a solid wall construction; 1,4,5,6 or 7 expected')
710	'Q7R3 : WARNING Unexpected value in Q7 - D5 indicates a pitched roof. Response at Q07 is unlikely - please check')
710	'Q7R3 : WARNING Unexpected value in Q7 - D5 indicates a pitched roof; 1,3,4, or 9 likely')
711	'Q7R4 : WARNING Unexpected value in Q7 - D5 indicates a flat roof. Response at Q07 is unlikely - please check')
711	'Q7R4 : WARNING Unexpected value in Q7 - D5 indicates a flat roof; 2 or 5 likely')
712	'Q10R3 : Unexpected value in Q10 - 100% principal roof cover shown in Q8; 8 expected')
713	'Q10R4 : Unexpected value in Q10 - less than 100% principal roof cover or unob shown in Q8; 1-7 or 9 expected')
714	'Q10R5 : Unexpected value in Q10 - Q8 indicates unobtainable principal roof type; 1-7 expected')
715	'Q13R3 : Unexpected value in Q13 - D13 indicates a post 1983 dwelling; Q13 indicates metal window frames without a thermal break; 1,2 or 4 expected')
716	'Q14R3 : Unexpected value in Q14 - Q12 indicates unobtainable for principal window type; 9 expected')
717	'Q15R3 : Unexpected value in Q15 - Q14 indicates single glazing; 2,3,4 or 5 expected')
718	'Q15R4 : Unexpected value in Q15 - Q14 indicates unobtainable glazing; 9 expected')
719	'Q15R5 : Unexpected value in Q15 - Q14 indicates some form of glazing; 1-5 or blank expected')
720	'Q15R6 : Unexpected value in Q15 - Q14 indicates double glazing; 1-4 expected')
750	'R0aR3 : Unexpected value in R0a - D1/E2 indicates mid terr house/block with no exposed flanks; 1 or 9 expected')
751	'R0aR4 : Unexpected value in R0a - D1/E2 indicates detached house/block; 2,3 or 9 expected')
752	'R0bR3 : Unexpected value in R0b - D1/E2 indicates mid terr house/block with no exposed flanks; 4 or 9 expected')
753	'R0bR4 : Unexpected value in R0b - D1/E2 indicates detached house/block; 5,6 or 9 expected')
754	'R1aR3 : Unexpected value in R1 viewpoint 1 - Q7 indicates unob principal roof type; 99 expected')
755	'WARNING R1aR4 : Q7 indicates some principal roof type. Response at R01VPT2 is inconsistent. Please check.')
756	'R1bR3 : Unexpected value in R1 viewpoint 2 - Q7 indicates unob principal roof type; 99 expected')
757	'R1bR4 : Q7 indicates some principal roof type; Response at R01VPT2 is inconsistent. Please check.')
759	'R1cR4 : Unexpected value in R1 repair urgent - valid repair in R1 viewpoint 1 or R1 viewpoint 2; 1 or 2 expected')
760	'R1cR5 : Unexpected value in R1 repair urgent - no repair or not applic in R1 viewpoint 1 or R1 viewpoint 2; 8 expected')
761	'R1cR6 : Unexpected value in R1 repair urgent - Q7 indicates unob roof type; 9 expected')

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Error No.	Description
762	,'R1cR7 : Q7 indicates some principle roof type. Response at R01REP is inconsistent with this. Please check.'')
763	,'R2aR3 : Unexpected value in R2 viewpoint 1 - Q9 indicates unob principal roof cover; 99 expected')
764	,'R2aR4 : Q9 indicates some principal roof cover; Reponse at R02VPT1 is inconsistent with this. Please Check.'
765	,'R2bR3 : Unexpected value in R2 viewpoint 2 - Q9 indicates unob principal roof cover; 99 expected')
768	,'R2cR4 : Unexpected value in R2 repair urgent - valid repair in R2 viewpoint 1 or R2 viewpoint 2; 1 or 2 expected')
770	,'R2cR6 : Unexpected value in R2 repair urgent - Q9 indicates unob principal roof cover; 9 expected')
771	,'R2cR7 : Q9 indicates no unob principal roof cover. Response at R01VPT1 is inconsistent with this. Please Check.'
775	,'R2dR6 : Unexpected value in R2 residual life - Q9 indicates unob principal roof cover; 9 expected')
776	,'R2dR7 : Q9 indicates some principal roof cover. Response at R02RES is inconsistent with this. Please check.'
777	,'R3aR3 : Q10 indicates unob secondary roof cover; Response at R03VPT1 is inconsistent with this. Please Check.'
778	,'R3aR4 : Q10 indicates no secondary roof cover; Response at R03VPT1 is inconsistent. Please check.'
778	,'R3aR5 : Q10 shows secondary roof;R03VPT1 & R03VPT2 cannot be equal 88. Please check.'
778	,'R3aR5 : Unexpected value in R3 viewpoint 1 - Q10 indicates no secondary roof cover; Response at R03VPT1 is inconsistent. Please check.'
779	,'R3bR4 : Q10 indicates no secondary roof cover; 88 expected')
779	,'R3bR4 : Unexpected value in R3 viewpoint 2 - Q10 indicates unob secondary roof cover; 88 expected')
781	,'R3cR3 : Unexpected value in R3 repair urgent - unob with not applic/unob in R3 viewpoint 1 and R3 viewpoint 2; 9 expected')
782	,'R3cR4 : Unexpected value in R3 repair urgent - valid repair in R3 viewpoint 1 or R3 viewpoint 2; 1 or 2 expected')
783	,'R3cR5 : Unexpected value in R3 repair urgent - no repair or not applic in R3 viewpoint 1 or R3 viewpoint 2; 8 expected')
784	,'R3cR6 : Unexpected value in R3 repair urgent - Q10 indicates unob secondary roof cover; 9 expected')
785	,'R3cR7 : Unexpected value in R3 repair urgent - Q10 indicates some/no secondary roof cover; 1,2 or 8 expected')
786	,'R4aR3 : Q10 indicates unob secondary roof cover; Response at R04VPT1 is inconsistent. Please Check')
787	,'R4aR4 : Q10 indicates no secondary roof cover; Response at R04VPT1 is inconsistent. Please Check')
788	,'R4aR5 : Q10 shows secondary roof. R4VPT1 & R4VPT2 cannot both equal 88;Please Check.'
788	,'R4aR5 : Unexpected value in R4 viewpoint 1 - Q10 indicates secondary roof cover, R4 viewpoint 1 & R4 viewpoint 2 cannot both equal 88; 00-09,10,55 or 99 expected'))
788	,'R4aR5 : Unexpected value in R4 viewpoint 1 - Q10 indicates secondary roof cover. Response at R04VPT1 is inconsistent')
789	,'R4bR3 : Q10 indicates unob secondary roof cover; Response at R04VPT2 is inconsistent with this.Please Check.'
790	,'R4bR4 : Q10 indicates no secondary roof cover. Response at R04VPT2 is inconsistent with this. Please Check.'
791	,'R3bR5 : Q10 shows secondary roof cover, R03VPT1 & R3VPT2 cannot both equal 88; Please Check')
791	,'R4bR5 : Q10 shows secondary roof. R4VPT1 & R4VPT2 cannot both equal 88;Please Check.'
793	,'R4cR4 : Unexpected value in R4 repair urgent - valid repair in R4 viewpoint 1 or R4 viewpoint 2; 1 or 2 expected')
795	,'R4cR6 : Unexpected value in R4 repair urgent - Q10 indicates unob secondary roof cover; 9 expected')
796	,'R4cR7 : Unexpected value in R4 repair urgent - Q10 indicates no/some secondary roof cover; 1,2 or 8 expected')
800	,'R4dR6 : Unexpected value in R4 residual life - Q10 indicates unob secondary roof cover; 9 expected')
801	,'R4dR7 : Unexpected value in R4 residual life - Q10 indicates some secondary roof cover; 1,2 or 8 expected')
801	,'R4dR7 : Unexpected value in R4 residual life - Q10 indicates some/no secondary roof cover. Response at R04ES is inconsistent. Please check')
803	,'R5cR4 : Unexpected value in R5 repair urgent - valid repair in R5 viewpoint 1 or R5 viewpoint 2; 1 or 2 expected')
809	,'R6cR4 : Unexpected value in R6 repair urgent - valid repair in R6 viewpoint 1 or R6 viewpoint 2; 1 or 2 expected')
815	,'R7cR4 : Unexpected value in R7 repair urgent - valid repair in R7 viewpoint 1 or R7 viewpoint 2; 1 or 2 expected')
821	,'R8cR4 : Unexpected value in R8 repair urgent - valid repair in R8 viewpoint 1 or R8 viewpoint 2; 1 or 2 expected')
827	,'R9cR4 : Unexpected value in R9 repair urgent - valid repair in R9 viewpoint 1 or R9 viewpoint 2; 1 or 2 expected')
830	,'R10cR4: Unexpected value in R10 repair urgent - valid repair in R10 viewpoint 1 or R10 viewpoint 2; 1 or 2

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Error No.	Description
	expected')
836	,'R11cR4: Unexpected value in R11 repair urgent - valid repair in R11 viewpoint 1 or R11 viewpoint 2; 1 or 2 expected')
839	,'R12cR4: Unexpected value in R12 repair urgent - valid repair in R12 viewpoint 1 or R12 viewpoint 2; 1 or 2 expected')
845	,'R13cR4: Unexpected value in R13 repair urgent - valid repair in R13 viewpoint 1 or R13 viewpoint 2; 1 or 2 expected')
848	,'R14cR4: Unexpected value in R14 repair urgent - valid repair in R14 viewpoint 1 or R14 viewpoint 2; 1 or 2 expected')
854	,'R15cR4: Unexpected value in R15 repair urgent - valid repair in R15 viewpoint 1 or R15 viewpoint 2; 1 or 2 expected')
860	,'R16cR4: Unexpected value in R16 repair urgent - valid repair in R16 viewpoint 1 or R16 viewpoint 2; 1 or 2 expected')
866	,'R17cR4: Unexpected value in R17 repair urgent - valid repair in R17 viewpoint 1 or R17 viewpoint 2; 1 or 2 expected')
870	,'R1bR4a : Viewpoint 2 is coded unobtainable. Response at R01VPT2 should be unob.')
870	,'R2bR4a : Viewpoint 2 is coded unobtainable. Response at R02VPT2 should be also be unobtainable')
870	,'R3bR3 : Q10 indicates unobtainable secondary roof cover. Response at R03VPT2 is inconsistent with this. Please Check.')
870	,'R3bR3 : Viewpoint 2 is coded unobtainable/Q10 indicates unobtainable secondary roof cover. Response at R03VPT2 is inconsistent with this. Please Check.')
870	,'R3bR3b : Viewpoint 2 is not unobtainable and a secondary roof cover is coded at Q10. Response at R03VPT2 is inconsistent with this.')
870	,'R4bR4b : Q10 indicates some secondary roof cover codes at Q10; Response at R04VPT2 is inconsistent. Please Check.')
871	,'R18aR3: Unexpected value in R18 viewpoint 1 - Valid only for 4-in-Block or Conversion; 88 expected')
872	,'R18bR3: Unexpected value in R18 viewpoint 2 - Valid only for 4-in-Block or Conversion; 88 expected')
873	,'R10BR2 : Viewpoint 2 is coded unobtainable. Response at R10VPT2 should also be unobtainable.')
873	,'R11BR2 : Viewpoint 2 is coded unobtainable. Response at R11VPT2 should also be unobtainable.')
873	,'R12BR2 : Viewpoint 2 is coded unobtainable. Response at R12VPT2 should also be unobtainable.')
873	,'R13BR2 : Viewpoint 2 is coded unobtainable. Response at R13VPT2 should also be unobtainable.')
873	,'R14BR2 : Viewpoint 2 is coded unobtainable. Response at R14VPT2 should also be unobtainable.')
873	,'R15BR2 : Viewpoint 2 is coded unobtainable. Response at R15VPT2 should also be unobtainable.')
873	,'R16BR2 : Viewpoint 2 is coded unobtainable. Response at R16VPT2 should also be unobtainable.')
873	,'R17BR2 : Viewpoint 2 is coded unobtainable. Response at R17VPT2 should also be unobtainable.')
873	,'R18BR2 : Viewpoint 2 is coded unobtainable. Response at R18VPT2 should also be n/a or unobtainable.')
873	,'R18BR2 : Viewpoint 2 is coded unobtainable. Response at R18VPT2 should also be unobtainable normal houses.')
873	,'R18BR2 : Viewpoint 2 is coded unobtainable. Response at R18VPT2 should also be unobtainable.')
873	,'R5BR2 : Viewpoint 2 is coded unobtainable. Response at R05VPT2 should also be unobtainable.')
873	,'R6BR2 : Viewpoint 2 is coded unobtainable. Response at R06VPT2 should also be unobtainable.')
873	,'R7BR2 : Viewpoint 2 is coded unobtainable. Response at R07VPT2 should also be unobtainable.')
873	,'R8BR2 : Viewpoint 2 is coded unobtainable. Response at R08VPT2 should also be unobtainable.')
873	,'R9BR2 : Viewpoint 2 is coded unobtainable. Response at R09VPT2 should also be unobtainable.')
874	,'R18cR4: Unexpected value in R18 repair urgent - valid repair in R18 viewpoint 1 or R18 viewpoint 2; 1 or 2 expected')
876	,'R18cR6: Unexpected value in R18 repair urgent - Valid only for 4-in-Block or Conversion; 8 expected')
883	,'R18dR6: Unexpected value in R18 residual life - Valid only for 4-in-Block or Conversion; 8 expected')
900	,'T1R3 : Unexpected value in T1 - H3 Hall to H3 Bathroom indicates structural instability; 2 expected')
901	,'T1R4 : Unexpected value in T1 - H3 Hall to H3 Bathroom indicates no structural instability; 1 or 9 expected')
902	,'T2R4 : Unexpected value in T2 - H10 Dwelling and H11 Dwelling indicate no rising or penetrating damp; 1 expected')
903	,'T2R5 : Unexpected value in T2 - H10 Dwelling and H11 Dwelling indicate rising or penetrating damp less than 20%; 1 or 9 expected')
904	,'T2R6 : Unexpected value in T2 - H10 Dwelling and H11 Dwelling indicate rising or penetrating damp greater than 40%; 2 expected')
905	,'T3R3 : Unexpected value in T3 - Kitchen Hall & Bathroom do not indicate any rooms with poor natural light'
	+
906	,'T5R3 : Unexpected value in T5; BTS expected. REFER TO SUPERVISOR')
907	,'T5R4 : Unexpected value in T5 - K13 indicates hot and cold water present within the dwelling; 1 expected')

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Error No.	Description
908	,'T5R5 : Unexpected value in T5 - K13 is unobtainable; 9 expected')
909	,'T6R3 : Unexpected value in T6 - K3 indicates a WC located in building, outside, shared WC or no WC; 2 expected')
910	,'T6R4 : Unexpected value in T6 - K3 indicates internal WC; 1 expected')
911	,'T6R5 : Unexpected value in T6 - K3 is unobtainable; 9 expected')
912	,'T7R3 : Unexpected value in T7 - K11 and K12 indicate that dwelling has an internal bath/shower and a suitable supply of hot and cold water to the bath/shower; 1 expected')
913	,'T7R4 : Unexpected value in T7 - K11 and K12 indicate that internal bath/shower unob. and a suitable supply of hot and cold water to the bath/shower unob.; 9 expected')
914	,'T7R5 : Unexpected value in T7; BST expected . REFER TO SUPERVISOR')
915	,'T8R3 : Unexpected value in T8 - Q11 indicates no drainage; 2 expected')
916	,'T11R3 : Unexpected value in T11 - T1 to T10 indicates above Tolerable Standard or unob.; 1,2 or 9 expected')
917	,'T11R4 : Unexpected value in T11 - T1 to T10 indicates dwelling is BTS; 2-4 expected')
918	,'T12R3 : Unexpected value in T12 - E1 indicates the dwelling is part of a common block; 1,2 or 9 expected')
919	,'T12R4 : Unexpected value in T12 - E1 indicates the dwelling is not part of a common block; 3 expected')
920	,'X1R0 : Unexpected value in T6 - BTS expected. REFER to SUPERVISOR')
921	,'X2R0 : Unexpected value in T7 - BTS expected. REFER to SUPERVISOR')
922	,'X3R0 : Unexpected value in T7 - BTS expected. REFER to SUPERVISOR')
923	,'X4R0 : Unexpected value in T5 - BTS expected. REFER to SUPERVISOR')
924	,'X17R0 : Unexpected value in T6 - H10B indicates Bathroom off winder; expect T6 to be BTS. REFER TO SUPERVISOR')
925	,'X18R0 : Unexpected value in T7 - H10B indicates Bathroom off winder; expect T7 to be BTS. REFER TO SUPERVISOR')
941	,'D13R4 : Age code at D13 suggests property post 1982 - but not at M00, check coding and amend')
942	,'D13R5 : Age mismatch between D13 and M0 - Please check')
942	,'D13R5a : Age mismatch between D13 and M0 - Please check')
942	,'D13R5b : Age mismatch between D13 and M0 - Please check')
942	,'D13R5c : Age mismatch between D13 and M0 - Please check')
942	,'D13R5d : Age mismatch between D13 and M0 - Please check')
943	,'R15DR12: Error in R15RES - No repair in R15VPT1/R15VPT2; 1 to 4 expected')
944	,'R15DR13: Error in R15RES - No repair in R15VPT1/R15VPT2; 1 to 4 expected')
945	,'X14R0 : D02 indicates a flat, J03 shows no rooms in the roof, expect one floor at J02. Please Check.')
950	,'J2R0 : Unexpected value in J2 - J2 habitable floors; 1 to 9 expected')
951	,'J2R1 : WARNING - Unusual value in J2 - check photograph')
952	,'J2R2 : Unexpected value in J2,I03 does not indicate a stair case')
953	,'J3R4 : Unexpected value in J03 - D05 indicates a flat or non-heat loss roof; 88 expected')
954	,'J3R5 : Unexpected value in J03 - D05 indicates not a flat or non-heat loss roof. Response at J03 should not be "not applicable".')
954	,'J3R5 : Unexpected value in J03 - D05 indicates not a flat or non-heat loss roof; 00, 1..10,99 expected')
955	,'J4R0 : Unexpected value in J04 - Not valid answer; 0-90, or 99 expected')
956	,'J4R1 : Unusual value in J04 - check value')
957	,'J4R2 : Unexpected value in J04 - Rooms in basement cannot be more than in dwelling')
958	,'J4R3 : D7 indicates basement present - 00,1-10,99 expected in J4' )
959	,'J5R0 : Unexpected value in J5 - 1,2 expected in J5')
960	,'J6R0 : Unexpected value in J6 - 1,2,3,9 expected in J6')
961	,'H10DR1 : Unexpected value in H10 - individual rooms indicate rising damp - H10D 1-7 expected')
962	,'H11DR1 : Unexpected value in H11 - individual rooms indicate penetrating damp - H11D 1-7 expected')
963	,'H12D1 : Unexpected value in H12 - individual rooms indicate some condensation - H12D 1-7 expected')
964	,'H13DR1 : Unexpected value in H13 - individual rooms indicate mould - H13D 1-7 expected')
965	,'J3R7 : Unexpected value in JO3; 00, 0 to 10 expected')
966	,'L8R4 : Unexpected value in L08; L01 and L02 indicates no power system in dwelling; 8 expected in L08')
967	,'L11R0 : Range error in L11; not a valid answer expected in 1,2,8,9 L11')
968	,'L11R1 : Unexpected value in L11; L09 - no water indicated; 8 expected in L11')

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Error No.	Description
969	, 'L11R2 : Unexpected value in L09; L09 - Unobserved water indicated; 8 expected in L09')
970	, 'L11R3 : Unexpected value in L09; L09 - Water main indicated; 1,2,9 expected in L11')
971	, 'L11R4 : Unexpected value in L09; L09 - No water main indicated; 8 expected in L09')
972	, 'L11R5 : Unexpected value in L09; L11 - Unobserved water indicated; 9 expected in L09')
973	, 'L12R0 : Range error in L12; not a valid answer 1..5,8,9 expected')
974	, 'L13R0 : Range error in L13; not a valid answer 1,2,9 expected')
975	, 'L14R0 : Range error in L14; not a valid answer 1..4,9 expected')
976	, 'L15R0 : Range error in L15; not a valid answer 1..4,8,9 expected')
977	, 'L15R2 : Unexpected value in L15; L10 indicates water system in dwelling unobtainable - 9 expected in L09')
978	, 'L15R3 : Unexpected value in L15; L09/L11 indicates no water main - 8 expected in L15')
979	, 'L15R4 : Unexpected value in K10/K12/K14; L15 indicates no amenity - 8')
980	, 'L16R0 : Range Error in L16; 0..4,8,9 expected in L16')
981	, 'L16R2 : L10 indicates water system unobtainable; 9 expected in L16')
982	, 'L17R0 : Range Error in L17; 0..4,8,9 expected in L17')
983	, 'L17R1 : Unexpected value in L17; L05 indicates no power system; 8 expected in L17')
984	, 'L17R2 : Unexpected value in L17; L05 is unobtainable; 9 expected in L17')
985	, 'L17R3 : Unexpected value in L05; L17 indicates no electrical power system; 8 expected in L05')
986	, 'L18R0 : Range Error in L18; 0 to 4,8,9 expected in L18')
987	, 'L18R1 : Unexpected value in L18; L06 indicates no lighting system; 8 expected in L18')
988	, 'J3R6 : J02 indicates no habitable floors in dwelling, this suggests all rooms in the roof space and J03 should equal J01. Please check')
988	, 'J3R6 : You have said there are no habitable floors in the dwelling, this suggests all rooms are in the roof space and J03 should equal J01. Please check')
988	, 'R7DR14: Error in R07RES - Valid repair in R07VPT1; 1 to 4 expected')
989	, 'R7DR15: Error in R07RES - Valid repair in R07VPT1; 1 to 4 expected')
990	, 'L1R6 : Unexpected value in M04; no services indicated at L01; but mains electric indicated')
991	, 'M4R1 : Unexpected value in M04; individual boiler indicated in M01; 1 to 12 expected')
991	, 'R10DR14: Error in R10RES - Valid repair in R10VPT1; 1 to 4 expected')
991	, 'R10DR15: Error in R10RES - Valid repair in R10VPT2; 1 to 4 expected')
991	, 'R12DR14: Error in R12RES - Valid repair in R12VPT1; 1 to 4 expected')
991	, 'R12DR15: Error in R12RES - Valid repair in R12VPT2; 1 to 4 expected')
991	, 'R14DR14: Error in R14RES - Valid repair in R14VPT1; 1 to 4 expected')
991	, 'R14DR15: Error in R14RES - Valid repair in R14VPT2; 1 to 4 expected')
991	, 'R15DR14: Error in R15RES - Valid repair in R15VPT1; 1 to 4 expected')
991	, 'R15DR15: Error in R15RES - Valid repair in R15VPT2; 1 to 4 expected')
991	, 'R16DR14: Error in R16RES - Valid repair in R16VPT1; [1-4] expected')
991	, 'R17DR14: Error in R17RES - Valid repair in R17VPT1; 1 to 4 expected')
991	, 'R17DR15: Error in R17RES - Valid repair in R17VPT2; 1 to 4 expected')
991	, 'R18DR14: Error in R18RES - Valid repair in R18VPT1; 1 to 4 expected')
991	, 'R18DR15: Error in R18RES - Valid repair in R18VPT2; 1 to 4 expected')
991	, 'R2dR14: Error in R02RES - Valid repair in R01VPT1; [1-4] expected')
991	, 'R2dR15: Error in R02RES - Valid repair in R01VPT2; [1-4] expected')
991	, 'R4dR14: Error in R02RES - Valid repair in R04VPT; [1-4] expected')
991	, 'R4dR15: Error in R02RES - Valid repair in R02VPT2; [1-4] expected')
991	, 'R5dR14: Error in R02RES - Valid repair in R05VPT1; [1-4] expected')
991	, 'R5dR15: Error in R02RES - Valid repair in R05VPT1; [1-4] expected')
991	, 'R6dR14: Error in R02RES - Valid repair in R06VPT1; [1-4] expected')
991	, 'R6dR15: Error in R02RES - Valid repair in R06VPT2; [1-4] expected')
991	, 'R7dR14: Error in R02RES - Valid repair in R07VPT1; [1-4] expected')
991	, 'R7dR15: Error in R02RES - Valid repair in R07VPT2; [1-4] expected')
991	, 'R8DR14: Error in R08RES - Valid repair in R08VPT1; 1 to 4 expected')
991	, 'R8dR15: Error in R02RES - Valid repair in R08VPT2; [1-4] expected')

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Error No.	Description
991	, 'R8DR15: Error in R08RES - Valid repair in R08VPT2; 1 to 4 expected')
991	, 'R16dR15: Error in R16RES Valid repair in R16VPT1; 1 to 4 expected')
992	, 'M4R2 : Unexpected value in M04; Community heating indicated in M01; 13,14 expected')
992	, 'R10DR12: Error in R10RES - no repair in R10VPT1/R10VPT2; 1 to 4 expected')
992	, 'R10DR13: Error in R10RES - no repair in R10VPT1/R10VPT2; 1 to 4 expected')
992	, 'R12DR12: Error in R12RES - no repair in R12VPT1/R12VPT2; 1 to 4 expected')
992	, 'R12DR13: Error in R12RES - no repair in R12VPT1/R12VPT2; 1 to 4 expected')
992	, 'R14DR12: Error in R14RES - No repair in R14VPT1/R14VPT2; 1 to 4 expected')
992	, 'R14DR13: Error in R14RES - No repair in R14VPT1/R14VPT2; 1 to 4 expected')
992	, 'R16DR12: Error in R16RES - No repair in R16VPT1/R16VPT2; 1 to 4 expected')
992	, 'R16DR13: Error in R16RES - No repair in R16VPT1/R16VPT2; 1 to 4 expected')
992	, 'R17DR12: Error in R17RES - No repair in R17VPT1/R17VPT2; 1 to 4 expected')
992	, 'R18DR12: Error in R18RES - No repair in R18VPT1/R18VPT2; 1 to 4 expected')
992	, 'R18DR13: Error in R18RES - No repair in R18VPT1/R18VPT2; 1 to 4 expected')
992	, 'R7DR12: Error in R07RES - no repair in R07VPT1/R07VPT2; 1 to 4 expected')
992	, 'R7DR13: Error in R07RES - no repair in R07VPT1/R07VPT2; 1 to 4 expected')
992	, 'R8DR13: Error in R08RES - No repair in R08VPT1 or R08VPT2; 1 to 4 expected')
992	, 'R15dR12: Error in R15RES - No repair in R15VPT1/R15VPT2; 1 to 4 expected')
992	, 'R15dR13: Error in R15RES - No repair in R15VPT1/R15VPT2; 1 to 4 expected')
992	, 'R17dR13: Error in R17RES - No repair in R17VPT1/R17VPT2; 1 to 4 expected')
992	, 'R2dR12: Error in R02RES - No repair in R01VPT1/R02VPT2; 1 to 4 expected')
992	, 'R2dR13: Error in R02RES - No repair in R01VPT1/R02VPT2; 1 to 4 expected')
992	, 'R4dR12: Error in R04RES - No repair in R04VPT1/R04VPT2; 1 to 4 expected')
992	, 'R4dR13: Error in R04RES - No repair in R04VPT1/R04VPT2; 1 to 4 expected')
992	, 'R5dR12: Error in R05RES - No repair in R05VPT1/R05VPT2; 1 to 4 expected')
992	, 'R5dR13: Error in R05RES - No repair in R05VPT1/R05VPT2; 1 to 4 expected')
992	, 'R6dR12: Error in R06RES - No repair in R06VPT1/R06VPT2; 1 to 4 expected')
992	, 'R6dR13: Error in R06RES - No repair in R06VPT1/R06VPT2; 1 to 4 expected')
992	, 'R8dR12: Error in R08RES - No repair in R08VPT1/R08VPT2; 1 to 4 expected')
992	, 'R8dR13: Error in R08RES - No repair in R08VPT1/R08VPT2; 1 to 4 expected')
993	, '': Error in R18RES - No repair in R18VPT1 and R18VPT2; with unob; 1 to 4 expected')
993	, 'R10DR11: Error in R10RES - Unob with no repair in R10VPT1 or R10VPT2; 1 to 4 expected')
993	, 'R12DR11: Error in R12RES - no repair with unob in R12VPT1 and R12VPT2; [1..4] expected')
993	, 'R14DR11: Error in R14RES - No repair in R14VPT1 or R14VPT2 with unob; [1..4] expected')
993	, 'R15DR11: Error in R15RES - No repair with unobtainable in R15VPT1 OR R15VPT2; 9 expected')
993	, 'R16DR11: Error in R16RES - No repair in R16VPT1 or R16VPT2 with unob; 1 to 4 expected')
993	, 'R17DR11: Error in R17RES - No repair in R17VPT1 OR R17VPT2 with Unob; 1 to 4 expected')
993	, 'R7DR11: Error in R07RES - No repair in R07VPT1 or R07VPT2; 1 to 4 expected')
993	, 'R15DR11: Error in R15RES - No repair with unobtainable in R15VPT1 OR R15VPT2; [1..4] expected')
993	, 'R2dR11: Error in R02RES - No repair in R01VPT1 or R02VPT2 with Unob; 1 to 4 expected')
993	, 'R4dR11: Error in R04RES - No repair in R04VPT1 or R04VPT2 with Unob; 1 to 4 expected')
993	, 'R5dR11: Error in R05RES - No repair in R05VPT1 or R05VPT2 with Unob; 1 to 4 expected')
993	, 'R6dR11: Error in R06RES - No repair in R06VPT1 or R06VPT2 with Unob; 1 to 4 expected')
993	, 'R8dR11: Error in R08RES - No repair in R08VPT1 or R08VPT2 with Unob; 1 to 4 expected')
994	, 'R10CR13: Error in R10REP - Not applicable in R10VPT1; 8 expected')
994	, 'R11CR13: Error in R11REP - Not applicable in R11VPT1; 8 expected')
994	, 'R12CR13: Error in R12REP - Not applicable in R12VPT1; 8 expected')
994	, 'R13CR13: Error in R13REP - Not applicable in R13VPT1; 8 expected')
994	, 'R14CR13: Error in R14REP - Not applicable in R14VPT1; 8 expected')
994	, 'R15CR13: Error in R15REP - Not applicable in R15VPT1; 8 expected')
994	, 'R16CR13: Error in R16REP - Not applicable in R16VPT1; 8 expected')

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Error No.	Description
994	, 'R17CR13: Error in R17REP - Not applicable in R17VPT1; 8 expected')
994	, 'R18CR13: Error in R18REP - Not applicable in R18VPT1; 8 expected')
994	, 'R1CR13: Error in R01REP - Not applicable in R01VPT1; 8 expected')
994	, 'R2CR13: Error in R02REP - Not applicable in R01VPT1; 8 expected')
994	, 'R3CR13: Error in R03REP - Not applicable in R03VPT1; 8 expected')
994	, 'R4CR13: Error in R04REP - Not applicable in R04VPT1; 8 expected')
994	, 'R5CR13: Error in R02REP - Not applicable in R05VPT1; 8 expected')
994	, 'R6CR13: Error in R06REP - Not applicable in R06VPT1; 8 expected')
994	, 'R7CR13: Error in R07REP - Not applicable in R07VPT1; 8 expected')
994	, 'R8CR13: Error in R08REP - Not applicable in R08VPT1; 8 expected')
994	, 'R9CR13: Error in R09REP - not applicable in R09VPT1; 8 expected')
995	, 'R10CR12: Error in R10REP - Not applicable in R10VPT2; 8 expected')
995	, 'R11CR12: Error in R11REP - Not applicable in R11VPT2; 8 expected')
995	, 'R12CR12: Error in R12REP - Not applicable in R12VPT2; 8 expected')
995	, 'R13CR12: Error in R13REP - Not applicable in R13VPT2; 8 expected')
995	, 'R14CR12: Error in R14REP - Not applicable in R14VPT2; 8 expected')
995	, 'R15CR12: Error in R15REP - Not applicable in R15VPT2; 8 expected')
995	, 'R16CR12: Error in R16REP - Not applicable in R16VPT2; 8 expected')
995	, 'R17CR12: Error in R17REP - Not applicable in R17VPT2; 8 expected')
995	, 'R18CR12: Error in R18REP - Not applicable in R18VPT2; 8 expected')
995	, 'R1CR12: Error in R01REP - Not applicable in R01VPT2; 8 expected')
995	, 'R2CR12: Error in R02REP - Not applicable in R02VPT2; 8 expected')
995	, 'R4CR12: Error in R04REP - Not applicable in R04VPT1; 0 or 8 expected')
995	, 'R5CR12: Error in R05REP - Not applicable in R05VPT2; 8 expected')
995	, 'R6CR12: Error in R01REP - Not applicable in R06VPT2; 8 expected')
995	, 'R7CR12: Error in R07REP - Not applicable in R07VPT2; 8 expected')
995	, 'R8CR12: Error in R08REP - Not applicable in R08VPT2; 8 expected')
995	, 'R9CR12: Error in R09REP - not applicable in R09VPT2; 8 expected')
996	, 'M4R6 : Unexpected value in M04; Heat pump indicated in M01; 88 expected')
996	, 'R10CR10: Error in R10REP - Unob with not applicable in R10VPT1 and R10VPT2; 9 expected')
996	, 'R10DR10: Error in R10RES - Unob with not applicable in R10VPT1 and R10VPT2; 9 expected')
996	, 'R11CR10: Error in R11REP - Unob with not applicable in R11VPT1 and R11VPT2; 9 expected')
996	, 'R12CR10: Error in R12REP - Unob with not applicable in R12VPT1 and R12VPT2; 9 expected')
996	, 'R12DR10: Error in R12RES - Unob with not applicable in R12VPT1 and R12VPT2; 9 expected')
996	, 'R13CR10: Error in R12RES - Unob with not applicable in R13VPT1 and R13VPT2; 9 expected')
996	, 'R14CR10: Error in R14REP - Unob with not applicable in R14VPT1 and R14VPT2; 9 expected')
996	, 'R14DR10: Error in R14RES - Unob with not applicable in R14VPT1 and R14VPT2; 9 expected')
996	, 'R15CR10: Error in R15REP - Unob with not applicable in R15VPT1 and R15VPT2; 9 expected')
996	, 'R15dR10: Error in R12RES - Unob with not applicable in R15VPT1 and R15VPT2; 9 expected')
996	, 'R16CR10: Error in R16REP - Unob with not applicable in R16VPT1 and R16VPT2; 9 expected')
996	, 'R16DR10: Error in R16RES - Unob with not applicable in R16VPT1 and R16VPT2; 9 expected')
996	, 'R17CR10: Error in R17REP - Unob with not applicable in R17VPT1 AND R17VPT2; 9 expected')
996	, 'R17DR10: Error in R17RES - Unob with not applicable in R17VPT1 and R17VPT2; 9 expected')
996	, 'R18CR10: Error in R18REP - Unob with not applicable in R18VPT1 and R18VPT2; 9 expected')
996	, 'R18DR10: Error in R18RES - Unob with not applicable in R18VPT1 and R18VPT2; 9 expected')
996	, 'R1CR10: Error in R01REP - Unob with not applicable in R01VPT1 and R01VPT2; 9 expected')
996	, 'R2CR10 Error in R02REP - Unob with not applicable in R01VPT1 and R02VPT2; 9 expected')
996	, 'R3CR10 Error in R03REP - Unob with not applicable in R03VPT1 and R03VPT2; 9 expected')
996	, 'R4CR10: Error in R04REP - Unob with not applicable in R04VPT1 and R04VPT2; 9 expected')
996	, 'R4dR10 Error in R04RES - Unob with not applicable in R04VPT1 and R04VPT2; 9 expected')
996	, 'R5CR10: Error in R05REP - Unob with not applicable in R05VPT1 and R05VPT2; 9 expected')

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Error No.	Description
996	, 'R5dR10: Error in R05RES - Unob with not applicable in R05VPT1 and R05VPT2; 9 expected')
996	, 'R6CR10: Error in R06REP - Unob with not applicable in R06VPT1 and R06VPT2; 9 expected')
996	, 'R6dR10: Error in R06RES - Unob with not applicable in R06VPT1 and R06VPT2; 9 expected')
996	, 'R7CR10: Error in R07REP - Unob with not applicable in R07VPT1 and R07VPT2; 9 expected')
996	, 'R7DR10: Error in R07RES - Unob with not applicable in R07VPT1 and R07VPT2; 9 expected')
996	, 'R8CR10: Error in R08REP - Unob with not applicable in R08VPT1 and R08VPT2; 9 expected')
996	, 'R8DR10: Error in R08RES - Unob with Not applicable in R08VPT1 and R08VPT2; 9 expected')
996	, 'R9CR10: Error in R09REP - Unob with not applicable in R09VPT1 and R09VPT2; 9 expected')
996	, 'R2dR10: Error in R02RES - Unob with not applicable in R01VPT1 and R02VPT2; 9 expected')
997	, 'M4R7 : Unexpected value in M01; Not applicable fuel indicated at M04, but no heat pump indicated at M1 - REFER TO SUPERVISOR')
997	, 'R10CR11: Error in R10REP - Unob with no repair in R10VPT1 and R10VPT2; 9 expected')
997	, 'R11CR11: Error in R11REP - Unob with no repair in R11VPT1 and R11VPT2; 9 expected')
997	, 'R12CR11: Error in R12REP - Unob with not repair in R12VPT1 and R12VPT2; 9 expected')
997	, 'R13CR11: Error in R13REP - Unob with no repair in R13VPT1 and R13VPT2; 9 expected')
997	, 'R14CR11: Error in R14REP - Unob with no repair in R14VPT1 and R14VPT2; 9 expected')
997	, 'R14DR9: Error in R14RES - Unob in R14VPT1 and R14VPT2; 9 expected')
997	, 'R15CR11: Error in R15REP - Unob with no repair in R15VPT1 and R15VPT2; 9 expected')
997	, 'R16CR11: Error in R16REP - Unob with no repair in R16VPT1 and R16VPT2; 9 expected')
997	, 'R17CR11: Error in R17REP - Unob with no repair in R17VPT1 and R17VPT2; 9 expected')
997	, 'R18CR11: Error in R18REP - Unob with no repair in R18VPT1 and R18VPT2; 9 expected')
997	, 'R1CR11: Error in R01REP - Unob with no repair in R01VPT1 and R01VPT2; 9 expected')
997	, 'R2CR11: Error in R02REP - Unob with no repair in R01VPT1 and R02VPT2; 9 expected')
997	, 'R3CR11: Error in R03REP - Unob with no repair in R03VPT1 and R03VPT2; 9 expected')
997	, 'R5CR11: Error in R05REP - Unob with no repair in R05VPT1 and R05VPT2; 9 expected')
997	, 'R6CR11: Error in R06REP - Unob with no repair in R06VPT1 and R06VPT2; 9 expected')
997	, 'R7CR11: Error in R07REP - Unob with no repair in R07VPT1 and R07VPT2; 9 expected')
997	, 'R8CR11: Error in R08REP - Unob with no repair in R08VPT1 and R08VPT2; 9 expected')
997	, 'R9CR11: Error in R09REP - Unob with no repair in R09VPT1 and R00VPT2; 9 expected')
998	, 'M4R8 : Unexpected value in M04; Electric Heating indicated at M4; 11,12 expected')
998	, 'R10CR9: Error in R10REP - Unob in R10VPT1 and R10VPT2; 9 expected')
998	, 'R10DR9: Error in R10RES - Unob in R10VPT1 and R10VPT2; 9 expected')
998	, 'R11CR9: Error in R11REP - Unob in R11VPT1/R11VPT2; 8 expected')
998	, 'R12CR9: Error in R12REP - Unob in R12VPT1 and R12VPT2; 9 expected')
998	, 'R12DR9: Error in R12RES - Unob in R12VPT1 and R12VPT2; 9 expected')
998	, 'R13CR9: Error in R13REP - UNOB in R13VPT1 and R13VPT2; 9 expected')
998	, 'R14CR9: Error in R14REP - Unob in R14VPT1 and R14VPT2; 9 expected')
998	, 'R15CR9: Error in R15REP - Unob in R15VPT1 and R15VPT2; 9 expected')
998	, 'R15DR9: Error in R15RES - Unob in R15VPT1 and R15VPT2; 9 expected')
998	, 'R16CR9: Error in R16REP - Unob in R16VPT1 AND R16VPT2; 9 expected')
998	, 'R16DR9: Error in R16RES - Unob in R16VPT1 and R16VPT2; 9 expected')
998	, 'R17DR9: Error in R17RES - Unob in R17VPT1 AND R17VPT2; 9 expected')
998	, 'R18CR9: Error in R18REP - Unob in R18VPT1 and R18VPT2; 9 expected')
998	, 'R18DR9: Error in R18RES - Unob in R18VPT1 AND R18VPT2; 9 expected')
998	, 'R1CR9: Error in R01REP - Unob in R01VPT1 and R01VPT2; 9 expected')
998	, 'R2CR9: Error in R02REP - Unob in R01VPT1 and R02VPT2; 9 expected')
998	, 'R2dR9: Error in R02RES - Unob in R01VPT1 and R02VPT2; 9 expected')
998	, 'R3CR9 Error R03REP Unob in R03VPT1 and R03VPT2; 9 expected')
998	, 'R4CR9: Error in R04REP - Unob in R04VPT1 AND R04VPT2; 9 expected')
998	, 'R4dR9: Error in R04RES Unob in R04VPT1 and R04VPT2; 9 expected')
998	, 'R5CR9: Error in R05REP - Unob in R05VPT1 and R05VPT2; 9 expected')
998	, 'R6CR9: Error in R06REP unob in R06VPT1 and R06VPT2; 9 expected')

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Error No.	Description
998	, 'R6dR9 Error in R06RES - Unob in R06VPT1 and R06VPT2; 9 expected')
998	, 'R7CR9: Error in R07REP - Unob in R07VPT1 and R07VPT2; 9 expected')
998	, 'R7DR9: Error in R07RES - Unob in R07VPT1 and R07VPT2; 9 expected')
998	, 'R8CR9: Error in R08REP - Unob with not applicable in R08VPT1 and R08VPT2; 9 expected')
998	, 'R8DR9: Error in R08RES - Unob in R08VPT1 and R08VPT2; 9 expected')
998	, 'R9CR9: Error in R09REP - Unob in R09VPT1 and R09VPT2; 9 expected')
998	, 'R17cr9: Error in R17REP - Unob in R17VPT1 and R17VPT2; 9 expected')
999	, 'M4R9 : Unexpected value in M04; Gas indicated at M4 but not in L01')
999	, 'R10CR8: Error in R10REP - Not applicable in R10VPT1 and R10VPT2; 8 expected')
999	, 'R10cR8: Error in R10REP: - Not applicable in R10VPT1 and R10VPT2; 8 expected')
999	, 'R10DR8: Error in R10RES - Not applicable in R10VPT1 and R10VPT2; 8 expected')
999	, 'R11CR8: Error in R11REP - Not applicable in R11VPT1/R11VPT2; 8 expected')
999	, 'R12CR8: Error in R12REP - Not applicable in R12VPT1 and R12VPT2; 8 expected')
999	, 'R12DR8: Error in R12RES - not applicable in R12VPT1 and R12VPT2; 8 expected')
999	, 'R13CR8: Error in R13REP - Not applicable in R13VPT1 and R13VPT2; 8 expected')
999	, 'R14CR8: Error in R14REP - Not applicable in R14VPT1 and R14VPT2; 8 expected')
999	, 'R14DR8: Error in R14RES - Not applicable in R14VPT1 and R14VPT2; 8 expected')
999	, 'R15CR8: Error in R15REP - Not applicable in R15VPT1 and R15VPT2; 8 expected')
999	, 'R15DR8: Error in R15RES - Not applicable in R15VPT1 and R15VPT2; 8 expected')
999	, 'R16CR8: Error in R16REP - Not applicable in R16VPT1 AND R16VPT2; 8 expected')
999	, 'R16DR8: Error in R16RES - Not applicable in R16VPT1 and R16VPT2; 8 expected')
999	, 'R17DR8: Error in R17RES - Not applicable in R17VPT1 and R17VPT2; 8 expected')
999	, 'R18cR8: Error in R18REP - Not applicable in R18VPT1 AND R18VPT/2; 8 expected')
999	, 'R18DR8: Error in R18RES - Not applicable in R18VPT1 AND R18VPT2; 8 expected')
999	, 'R1CR8: Error in R1C - Not applicable in R01VPT1 and R01VPT2; 8 expected')
999	, 'R2CR8: Error in R02REP - Not applicable in R01VPT1 and R02VPT2; 8 expected')
999	, 'R2dR8: Error in R02RES - Not applicable in R01VPT1 and R02VPT2; 8 expected')
999	, 'R3cR8: Error in R03REP - Not applicable in R03VPT1 and R03VPT2; 8 expected')
999	, 'R4dR8: Error in R04RES : Not applicable in R04VPT1 AND R04VPT2; 8 expected')
999	, 'R5cR8: Error in R05REP: - Not applicable in R05VPT1 and R05VPT2; 8 expected')
999	, 'R5dR8: Error in R05RES: - Not applicable in R05VPT1 and R05VPT2; 8 expected')
999	, 'R6cR8: Error in R06REP - Not applicable in R06VPT1 and R06VPT2; 8 expected')
999	, 'R6dR8: Error in R06RES: - Not applicable in R06VPT1 AND R06VPT2; [8] expected')
999	, 'R7CR8: Error in R07REP - Not applicable in R07VPT1 and R07VPT2; 8 expected')
999	, 'R7DR8: Error in R07RES - Not applicable in R07VPT1 and R07VPT2; 8 expected')
999	, 'R8CR8: Error in R08REP - Not applicable in R08VPT1 and R08VPT2; 8 expected')
999	, 'R8DR8: Error in R08RES - Not applicable in R08VPT1 and R08VPT2; 8 expected')
999	, 'R9cR8: Error in R09REP - Not applicable in R09VPT1 and R09VPT2; 8 expected')
999	, 'R17cr8: Error in R17REP - Not applicable in R17VPT1 and R17VPT2; 8 expected')
999	, 'R4cR8: Error in R04REP - Not applicable in R04VPT1 and R04VPT2; 8 expected')

**12.14 Imputed variables**

**Table 28: Imputed variables**

<b>Data Variable</b>	<b>Description</b>	<b>No. Cases</b>	<b>Imputation Variable</b>	<b>No Cases imputed</b>
<b>Employment Respondent</b>				
din1	Respondent: Employment Status	3679	din1_impflag	1
din2	Respondent: one or more jobs	1859	din2_impflag	2
din3a	Respondent: >1 job Employee/self-employed	1783	din3a_impflag	1
din4	Respondent: Usual net pay	1615	din4_impflag	133
din5	Respondent: UsNetPay Period	1615	din5_impflag	133
din7	Respondent: Hrs/wk	1615	din7_impflag	134
din8a	Respondent: Gross pay provided	2	din8a_impflag	35
din12	Respondent: Last net Pay	2	din12_impflag	1
din16	Respondent: Last Gross Pay	0	din16_impflag	1
<b>Employment Partner</b>				
din35	Partner: employment status	2109	din35_impflag	7
din36	Partner: one or more jobs	1372	din36_impflag	1
din39	Partner:Usual net pay	1191	din39_impflag	202
din40	Partner:UsNetPay Period	1191	din40_impflag	202
din41	Partner: USNet exact/estimate	1191	din41_impflag	202
din42	Partner: Us hrs/wk	1191	din42_impflag	208
din44	Partner:Gross pay provided	5	din44a_impflag	104
<b>Regular Income</b>				
DV_RCV_OccEmp	Receives Occupational pension	802		
db17ba	Occupational pension Amount	802	dbm17aa_impflag	72
db17ca	OccPen Period	802	dbm17ab_impflag	72
DV_RCV_TrustInc	Receives Annuity	37		
db17bb	Annuity Amount	37	dbm17ba_impflag	3
db17cb	Annuity period	37	dbm17bb_impflag	3
DV_RCV_MaintPmt	Receives Maintenance	56		
db17bc	Maintenance Amount	56	dbm17ca_impflag	2
db17cc	Maintenance Period	56	dbm17cb_impflag	2
DV_RCV_PropRent	Receives Rent	63		
db17bd	Rent Amount	63	dbm17da_impflag	7
db17cd	Rent Period	63	dbm17db_impflag	7
DV_RCV_DigMon	Receives Dig Money	77		
db17be	Dig Money Amount	77	dbm17ea_impflag	3
db17ce	Dig Money Period	77	dbm17eb_impflag	3
DV_RCV_AccBen	Receives Accident benefit	8		
db17bf	Accident benefit Amount	8	dbm17fa_impflag	2

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Data Variable	Description	No. Cases	Imputation Variable	No Cases imputed
db17cf	Accident benefit Period	8	dbm17fb_impflag	2
DV_RCV_InvInc	Receives Investment Income	461		
db17bg	Investment Income Amount	461	dbm17ga_impflag	112
db17cg	Investment Income Period	461	dbm17gb_impflag	112
DV_RCV_StudLoan	Receives Student Loan	24		
db17bh	Student Loan Amount	24	dbm17ha_impflag	1
db17ch	Student Loan Period	24	dbm17hb_impflag	1
DV_RCV_Grant	Receives Student Grant	20		
db17bi	Student Grant Amount	20	dbm17ia_impflag	3
db17ci	Student Grant Period	20	dbm17ib_impflag	3
DV_RCV_RegNonWk	Receives Other Regular Income	22		
db17bj	Other Regular Income Amount	22	dbm17ja_impflag	1
db17cj	Other regular Income Period	22	dbm17jb_impflag	1
<b>Mortgage</b>				
DOH22	Monthly mortgage payment	1365	DOH22_ImpFlag	105
DOH24	Monthly endowment Payment	323	DOH24_ImpFlag	35
<b>Rent</b>				
xrent	Rent currently paid	1219	xrent_impflag	44
xrentpd	rent period	934	xrentpd_impflag	44
hbenamt	Housing benefit amount	612	hbenamt_impflag	108
hbenpd	Housing benefit period	612	hbenpd_impflag	108
rentfull	Full rent before housing benefit	236	rentfull_impflag	90
rentpd1	Full rent period	237	rentpd1_impflag	90
<b>Benefits</b>				
DV_RCV_Ben_Childben	Child Benefit	924		
DV_ChildBen_Amt		924	ChildBen_Amt_impflag	35
DV_ChildBen_Pd		924	ChildBen_Pd_impflag	35
DV_ChildBen_AmtDK				
DV_RCV_Ben_GuardAllw		0		
DV_GuardAllw_Amt	Guardian's Allowance	0	GuardAllw_Amt_impflag	0
DV_GuardAllw_Pd		0	GuardAllw_Pd_impflag	0
DV_GuardAllw_AmtDK		0		
DV_RCV_Ben_InvCareAllw	Invalidity Care Allowance	75		
DV_InvCareAllw_Amt		75	InvCareAllw_Amt_impflag	14
DV_InvCareAllw_Pd		75	InvCareAllw_Pd_impflag	14
DV_InvCareAllw_AmtDK		14		
DV_RCV_Ben_NIPen	State pension	1131		

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Data Variable	Description	No. Cases	Imputation Variable	No Cases imputed
DV_NIPen_Amt		1131	NIPen_Amt_impflag	132
DV_NIPen_Pd		1131	dvNIPen_Pd_impflag	132
DV_NIPen_AmtDK		131		
DV_RCV_Ben_WidPen	Widow's Allowance	40		
DV_WidPen_Amt		40	WidPen_Amt_impflag	5
DV_WidPen_Pd		40	WidPen_Pd_impflag	5
DV_WidPen_AmtDK		5		
DV_RCV_Ben_WarDis	War Disablement Allowance	18		
DV_WarDis_Amt		18	WarDis_Amt_impflag	1
DV_WarDis_Pd		18	WarDis_Pd_impflag	1
DV_WarDis_AmtDK		1		
DV_RCV_Ben_SevDis		45		
DV_SevDis_Amt	Severe Disability Allowance	45	SevDis_Amt_impflag	21
DV_SevDis_Pd		45	SevDis_Pd_impflag	21
DV_SevDis_AmtDK		20		
DV_RCV_Ben_DLACare	DLA Care Allowance	229		
DV_DLACare_Amt		229	DLACare_Amt_impflag	58
DV_DLACare_Pd		229	DLACare_Pd_impflag	58
DV_DLACare_AmtDK		56		
DV_RCV_Ben_DLAMob	DL Mobility Allowance	264		
DV_DLAMob_Amt		264	DLAMob_Amt_impflag	69
DV_DLAMob_Pd		264	DLAMob_Pd_impflag	69
DV_DLAMob_AmtDK		65		
DV_RCV_Ben_AttAllw	Attendance Allowance	116		
DV_AttAllw_Amt		116	AttAllw_Amt_impflag	74
DV_AttAllw_Pd		116	AttAllw_Pd_impflag	74
DV_AttAllw_AmtDK		3		
DV_RCV_Ben_JSAIB	JSA	57		
DV_JSAIB_Amt		57	JSAIB_Amt_impflag	2
DV_JSAIB_Pd		57	JSAIB_Pd_impflag	2
DV_JSAIB_AmtDK		2		
DV_RCV_Ben_IncSupp	Income Support	241		
DV_IncSupp_Amt		241	IncSupp_Amt_impflag	59
DV_IncSupp_Pd		241	IncSupp_Pd_impflag	59

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Data Variable	Description	No. Cases	Imputation Variable	No Cases imputed
DV_IncSupp_AmtDK		559		
DV_RCV_Ben_PenCre	Pension Credit	217		
DV_PenCred_Amt		217	PenCred_Amt_impflag	67
DV_PenCred_Pd		217	PenCred_Pd_impflag	67
DV_PenCred_AmtDK		66		
DV_RCV_Ben_IncapBen	Incapacity Benefit	229		
DV_IncapBen_Amt		229	IncapBen_Amt_impflag	47
DV_IncapBen_Pd		229	IncapBen_Pd_impflag	47
DV_IncapBen_AmtDK		47		
DV_RCV_Ben_MatAllw	Maternity Allowance	2		
DV_MatAllw_Amt		2	MatAllw_Amt_impflag	0
DV_MatAllw_Pd		2	MatAllw_Pd_impflag	0
DV_MatAllw_AmtDK		0		
DV_RCV_Ben_IndInj	Industrial Injury Disablement Allowance	26		
DV_IndInj_Amt		26	IndInj_Amt_impflag	2
DV_IndInj_Pd		26	IndInj_Pd_impflag	2
DV_IndInj_AmtDK		2		
DV_RCV_Ben_WTC	WTC	204		
DV_WTC_Amt		204	WTC_Amt_impflag	47
DV_WTC_Pd		204	WTC_Pd_impflag	47
DV_WTC_AmtDK		47		
DV_RCV_Ben_CTC	CTC	483		
DV_CTC_Amt		483	CTC_Amt_impflag	71
DV_CTC_Pd		483	CTC_Pd_impflag	72
DV_CTC_AmtDK		71		
DV_RCV_Ben_StatSP	Statutory Sick Pay	15		
DV_StatSP_Amt		15	StatSP_Amt_impflag	6
DV_StatSP_Pd		15	StatSP_Pd_impflag	6
DV_StatSP_AmtDK		6		
DV_RCV_Ben_StatMatPay	Statutory Maternity Pay	15		
DV_StatMatPay_Amt		15	StatMatPay_Amt_impflag	3
DV_StatMatPay_Pd		15	StatMatPay_Pd_impflag	3
DV_StatMatPay_AmtDK		3		
DV_RCV_Ben_StatPatPay	Statutory Paternity Pay	1		
DV_StatPatPay_Amt		1	StatPatPay_Amt_impflag	0

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Data Variable	Description	No. Cases	Imputation Variable	No Cases imputed
DV_StatPatPay_Pd		1	StatPatPay_Pd_impflag	0
DV_StatPatPay_AmtDK		0		
DV_RCV_Ben_StatAdoptPay	Statutory Adoption Pay	1	No donors	
DV_StatAdoptPay_Amt		0		
DV_StatAdoptPay_Pd		0		
DV_StatAdoptPay_AmtDK		1		
DV_RCV_Ben_TaxRefund	Tax Refund	3	Insufficient donor pool	
DV_TaxRefund_Amt		2		
DV_TaxRefund_Pd		2		
DV_TaxRefund_AmtDK		1		
DV_RCV_Ben_MileAllw	Mileage Allowance	65	MileAllw_Amt_impflag	10
DV_MileAllw_Amt		65	MileAllw_Pd_impflag	10
DV_MileAllw_Pd		65		
DV_MileAllw_AmtDK		10		
DV_RCV_Ben_MotExp	Motoring Expenses	12		
DV_Motexp_Amt		12	Motexp_Amt_impflag	0
DV_MotExp_Pd		12	MotExp_Pd_impflag	0
DV_MotExp_AmtDK		0		
DV_RCV_Ben_TaxCred	Tax Credit	19		
DV_TaxCred_Amt		19	TaxCred_Amt_impflag	8
DV_TaxCred_Pd		19	TaxCred_Pd_impflag	8
DV_TaxCred_AmtDK		8		
DV_RCV_Ben_FnrlGrnt	Funeral Grant	9		
DV_FnrlGrnt_Amt		9	FnrlGrnt_Amt_impflag	0
DV_FnrlGrnt_Pd		9	FnrlGrnt_Pd_impflag	0
DV_FnrlGrnt_AmtDK		0		
DV_RCV_Ben_MatExpGrnt	Maternity Expenses Grant	4	Insufficient donor pool	
DV_MatExpGrnt_Amt		2		
DV_MatExpGrnt_Pd		2		
DV_MatExpGrnt_AmtDK		0		
DV_RCV_Ben_ComCareGrnt	Community Care Grant	72		
DV_ComCareGrnt_Amt		72	ComCareGrnt_Amt_impflag	34
DV_ComCareGrnt_Pd		72	ComCareGrnt_Pd_impflag	34
DV_ComCareGrnt_AmtDK		4		
DV_RCV_Ben_WintFuel		1223		
DV_WintFuel_Amt	Winter Fuel Allowance	1223	WintFuel_Amt_impflag	522

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Data Variable	Description	No. Cases	Imputation Variable	No Cases imputed
			pflag	
DV_WintFuel_Pd		1223	WintFuel_Pd_imp flag	522
DV_WintFuel_AmtDK		19		
DV_Rcv_Ben_BackToWk	Back to Work Allowance	5	No donors	
DV_BackToWk_Amt		0		
DV_BackToWk_Pd		0		
DV_BackToWk_AmtDK		0		
DV_RCV_Ben_ExtHBen	Extended Housing Benefit	7	Insufficient donor pool	
DV_ExtHBen_Amt		1		
DV_ExtHBen_Pd		1		
DV_ExtHBen_AmtDK		3		
DV_RCV_Ben_WidLmpSm	Widow's Lump Sum	4	Insufficient donor pool	
DV_WidLmpSm_Amt		2		
DV_WidLmpSm_Pd		2		
DV_WidLmpSm_AmtDK		1		
DV_RCV_Ben_ChldMntBon	Child Maintenance Bonus	1		
DV_ChldMntBon_Amt		1	ChldMntBon_Amt_impflag	0
DV_ChldMntBon_Pd		1	ChldMntBon_Pd_impflag	0
DV_ChldMntBon_AmtDK		0		
DV_RCV_Ben_LoneParRun	Lone Parent Run-on benefit	5	Insufficient donor pool	
DV_LoneParRun_Amt		2		
DV_LoneParRun_Pd		2		
DV_LoneParRun_AmtDK		0		
DV_RCV_Ben_OthBen	Other State Benefit	18	OthBen_Amt_imp flag	5
DV_OthBen_Amt		18	OthBen_Pd_impflag	5
DV_OthBen_Pd		18		
DV_OthBen_AmtDK		0		

### 12.15 Household Income Imputations

The tables below identify income elements and the proportion of cases which were imputed. They also show that the majority of imputations occurred in the benefit section.

**Table 29: Imputations by Income Section**

	No. Cases	Present	Imputed	% Imputed	Cases remaining missing
<b>Respondent</b>					
Employees	1616	1616	134	8%	0
Self-employed (Din20 and Din24)	242	191	0	0%	51
Second job	76	70	0	0%	6
Any Imputations			134		
<b>Partner</b>					
Employees	1196	1191	209	18%	5
Self-employed (Din56 and Din60)	176	107	0	0%	69
Second job	32	30	0	0%	2
Any Imputations			209		
<b>Other Income</b>					
1 Occupational Pension	802	802	72	9%	0
2 Annuity	37	37	3	8%	0
3 Maintenance	56	56	2	4%	0
4 Rent	63	63	7	11%	0
5 Dig money	77	77	3	4%	0
6 Accident policy	8	8	2	25%	0
7 Investment income	461	461	112	24%	0
8 Student Loan	24	24	1	4%	0
9 Student Grant	20	20	3	15%	0
10 Other	22	22	1	5%	0
Any Imputations			192		
<b>Benefits</b>					
1 Child Benefit	924	924	35	4%	0
2 Guardian's allowance	0	0	0	#DIV/0!	0
3 Invalidity Care Allowance	75	75	14	19%	0
4 NI Pension	1131	1131	132	12%	0
5 Widow's pension	40	40	5	13%	0
6 War disablement pension	18	18	1	6%	0
7 Severe disability allowance	45	45	21	47%	0
8 DLA Care	229	229	58	25%	0
9 DLA Mobility	264	264	69	26%	0
10 Attendance Allowance	116	116	74	64%	0
11 JSA	57	57	2	4%	0
12 Income Support	241	241	59	24%	0
13 Pension Credit	217	217	67	31%	0
14 Incapacity Benefit	229	229	47	21%	0
15 Maternity Allowance	2	2	0	0%	0
16 Industrial Injury Disablement Allowance	26	26	2	8%	0

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	No. Cases	Present	Imputed	% Imputed	Cases remaining missing
17 WTC	204	204	47	23%	0
18 CTC	483	483	71	15%	0
19 Statutory Sick Pay	15	15	6	40%	0
20 Statutory Maternity Pay	15	15	3	20%	0
21 Statutory Paternity Pay	1	1	0	0%	0
22 Statutory Adoption Pay	1	0	0	#DIV/0!	1
23 Tax Refund	3	2	0	0%	1
24 Mileage Allowance	65	65	10	15%	0
25 Motoring Expenses	12	12	0	0%	0
26 Tax credit	19	19	8	42%	0
27 Funeral Grant	9	9	0	0%	0
28 Maternity Expenses Grant	4	2	0	0%	2
29 Community Care Grant	72	72	34	47%	0
30 Winter Fuel Payment	1223	1223	522	43%	0
31 Back to work Bonus	5	0	0	#DIV/0!	5
32 Extended Payment Housing Benefit	7	1	0	0%	6
33 Widow's Lump Sum	4	2	0	0%	2
34 Child Maintenance Bonus	1	1	0	0%	0
35 Lone Parent run-on	5	2	0	0%	3
36 Other State Benefit	18	18	5	28%	0
Any Imputations			863		
Any Income element imputed			1220		
Total number of cases	3679			33%	
<b>Housing Benefit, Rent, and Mortgage</b>					
Housing benefit	612	612	108	18%	0
Rent (Xrent)	1219	1219	44	4%	0
Monthly Mortgage (DOH22)	1365	1365	105	8%	0
Monthly endowment payment (DOH24)	323	323	35	11%	0

**Table 30: Combinations of imputed elements**

Imputed_Combinations		Imputations: RPBO				
Combination	Frequency	Which element imputed				
		Respondent	Partner	Benefit	Other Income	
0	2459					
10	771			Benefit		
1	116				Other Income	
100	108		Partner			
1100	61	Respondent	Partner			
11	59			Benefit	Other Income	
1000	59	Respondent				
110	23		Partner	Benefit		
101	6		Partner		Other Income	
1101	5	Respondent	Partner		Other Income	
1010	4	Respondent		Benefit		
111	3		Partner	Benefit	Other Income	
1001	2	Respondent			Other Income	
1110	2	Respondent	Partner	Benefit		
1111	1	Respondent	Partner	Benefit	Other Income	
<b>Total</b>	<b>3679</b>	<b>134</b>	<b>209</b>	<b>863</b>	<b>192</b>	

R=Respondent income imputed  
P=Partner income imputed  
B=Benefit imputed  
O=Other income imputed

**12.16 Analysis of Missing Household Income**

**Table 31: Missing Household Income by UA**

<b>UA</b>	<b>n</b>	<b>Missing</b>
Aberdeen City	89	8%
Aberdeenshire	107	1%
Angus	113	4%
Argyle & Bute	101	9%
Scottish Borders	85	6%
Clackmannanshire	107	23%
West Dunbartonshire	123	4%
Dumfries & Galloway	99	1%
Dundee City	99	3%
East Ayrshire	91	3%
East Dunbartonshire	122	19%
East Lothian	101	14%
East Renfrewshire	113	15%
Edinburgh, City of	238	32%
Falkirk	94	31%
Fife	163	22%
Glasgow City	306	12%
Highland	93	5%
Inverclyde	110	4%
Mid Lothian	97	16%
Moray	82	6%
North Ayrshire	109	3%
North Lanarkshire	140	21%
Orkney Islands	102	8%
Perth & Kinross	108	6%
Renfrewshire	107	7%
Shetland Islands	97	7%
South Ayrshire	93	5%
South Lanarkshire	84	19%
Stirling	106	25%
West Lothian	98	16%
Western Isles	102	3%
<b>Total</b>	<b>3679</b>	<b>12%</b>

**Table 32: Missing Household income by Household Type**

HouseholdType	<i>n</i>	Missing
1 Single-Person Household, Not Retired	522	12%
2 Elderly Retired Household	1100	12%
3 Lone Parent	293	8%
4 Couple - 1 Or Both Working Age (With Children)	899	14%
5 Couple - 1 Or Both Working Age (No Children)	677	15%
6 Multi-Person Household (Students, Sharers)	56	13%
7 Other	106	9%
8 Not Known Uncertain	26	8%
Total	3679	12%

**Table 33: Missing Household income by Property Type**

Property Type	<i>n</i>	Missing
1 Detached House	948	15%
2 Semi-Detached House	851	12%
3 Terraced House	810	11%
4 Tenement Flat	477	12%
5 4-In-A-Block	287	14%
6 Tower Block Slab Flat	158	9%
7 Conversion Flat	76	11%
8 Other	72	15%
Total	3679	12%

**Table 34: Missing Household income by NSSEC of respondent**

NSSEC of Respondent	<i>n</i>	Missing
1.0 Managerial and professional occupations	1330	14%
2.0 Intermediate occupations	315	9%
3.0 Small employers and own account workers	281	26%
4.0 Lower supervisory and technical occupations	431	7%
5.0 Semi-routine occupations	1171	10%
96.0 Never worked and long term unemployed	88	19%
97.0 Not classified	63	11%
Total	3679	12%