# **Survey data:** Technical documentation

Creation date
Version
O1
Author
Project
Organisation

Creation date
2020-09-08
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### Introduction

This document describes the survey responses data table. This table includes the original survey responses data in addition to several columns that describe, summarise or attempt to clean some of the responses. Files currently available relating to the survey data are:

- SERL\_survey\_data\_v01.csv: the survey data collected during the SERL pilot study the first phase of recruitment, described in this document
- SERL\_survey\_responses\_summary\_v01.csv: a report on the number of each type of response to each question in the survey, including information about response rates.

This document is structured as follows. First we describe the data collection process. The next section details the survey response columns and the meaning of the values they can take, the final section describes the remaining data fields.

#### **Data collection**

The SERL pilot study recruited the first wave of participants during September and October 2019. 18,000 households in central and southern England and in Wales were sent up to 4 letters inviting them to participate in SERL. All mailings encouraged sign-up online, and some of the mailings provided a paper consent form and survey to sign up by post. The consent form giving access to their smart meter data was mandatory for participation. Completion of the survey was encouraged but not required.

The survey dataset contains 1673 rows (one per participant who started the survey) and 155 columns.

## **Survey data fields: question responses**

Table 1 describes:

• Survey field: the survey question fields in the survey data table whose number corresponds to the question numbers in the survey. In some cases the questions come in multiple parts, in which case they have names such as "A13\_01" and "A13\_02" or "A1501" and "A1502". Some questions allowed for multiple options to be selected, in which case each option has its own column in the table with possible answers yes (selected) and

- no (not selected). For example question A3 has ten options, with columns named A301 A310. There is also a box for participants to write free text. In this case that option is called "A3\_Other".
- Approximate question: The corresponding survey question (sometimes with approximate wording for brevity). See the electronic copy of the paper survey for the exact question wording and options.
- Freetext option: a binary TRUE/FALSE indicating whether participants could write free text as part of their response to the question.
- Possible values: the pre-defined values that code different response options (where the responses are pre-defined). If free text is available then this may be "NA" (such as for A3\_Other) or the free text response may not be listed (such as for A5 which asks for the temperature households set their thermostat to).
- Value meanings: the response option in the survey corresponding to each value code.

Table 1: Questions, options and possible responses to all survey questions

Survey field	Approximate question	Freetext Po option va	Value meanings
		FALSE -9	Not applicable
L1	Please select your language preference	FALSE 1	English
		FALSE 2	Cymraeg
	A1 Before we contacted you about this study, did you know you had a smart meter?	FALSE -2	No answer
A1		FALSE 1	Yes
	ald you know you had a omart motor.	FALSE 2	No
		FALSE -9	Not applicable
		FALSE -2	No answer
A2	Having a smart meter has affected the way you use gas or electricity?	FALSE -1	Don't know
	you doo gao or orounony:	FALSE 1	A lot
	_	FALSE 2	Some

		_		
Survey field	Approximate question		Possible	Value meanings
		•	values	
		FALSE		A little
		FALSE	4	Not at all
A301	Type of central heating - None	FALSE	0	No
A301	Type of Certifal Heating - None	FALSE	1	Yes
A302	Type of central heating, goo goo beiler	FALSE	0	No
A302	Type of central heating - gas, gas boiler	FALSE	1	Yes
A202	Type of central heating - electric storage	FALSE	0	No
A303	heaters	FALSE	1	Yes
1001	Time of control bootings, alcothic so dictors	FALSE	0	No
A304	Type of central heating - electric radiators	FALSE	1	Yes
4005	Type of central heating - other electric —	FALSE	0	No
A305		FALSE	1	Yes
4000	Towns of control bootings of	FALSE	0	No
A306	Type of central heating - oil	FALSE	1	Yes
4007	Towns of control booting, collisions	FALSE	0	No
A307	Type of central heating - solid fuel	FALSE	1	Yes
4000		FALSE	0	No
A308	Type of central heating - biomass	FALSE	1	Yes
4000	Type of central heating - district or	FALSE	0	No
A309	community	FALSE	1	Yes
		FALSE	0	No
A310	Type of central heating - other	FALSE	1	Yes
A3_Other	Type of contracting carrier	TRUE		

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Survey field	Approximate question		Possible	Value meanings
		•	values	
		FALSE	-9	Not applicable
A401	Central Heating controls - timer	FALSE	0	No
		FALSE	1	Yes
		FALSE	-9	Not applicable
A402	Central Heating controls - temperature setting	FALSE	0	No
	county .	FALSE	1	Yes
		FALSE	-9	Not applicable
A403	Central Heating controls - smart device	FALSE	0	No
		FALSE	1	Yes
	Central Heating controls - manually	FALSE	-9	Not applicable
A404		FALSE	0	No
		FALSE	1	Yes
	Central Heating controls - none of the above	FALSE	-9	Not applicable
A405		FALSE	0	No
		FALSE	1	Yes
	Central Heating controls - dont know	FALSE	-9	Not applicable
A406		FALSE	0	No
		FALSE	1	Yes
		TRUE	-9	Not applicable
A5	Temperature controller set at for late afternoons or evenings	TRUE	-2	No answer
	and moon of overlings	TRUE	-1	Don't know / Doesn't apply
		FALSE	-2	No answer
A6	Does your household use any standalone heaters	FALSE	1	No
	HEALEIS	FALSE	2	Yes

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Survey field	Approximate question		Possible values	Value meanings
		FALSE	-	Not applicable
	-			
		FALSE	-2	No answer
A7	Do any of your standalone heaters have their own source of power	FALSE	1	Yes, some or all have their own source of fuel (e.g. logs, coal, bottled gas, etc.)
		FALSE	2	No, all are powered by mains gas or electric
		FALSE	-9	Not applicable
		FALSE	-2	No answer
	In very cold winter weather, how often are these standalone heaters typically used	FALSE	-1	Don't know
		FALSE	1	Daily
A8		FALSE	2	Most days
		FALSE	3	Rarely - only if I/we really have to
		FALSE	4	Never
		FALSE	5	Varies - depends on temperature or other reasons
1004	Do you adjust your heating - When is is especially cold	FALSE	0	No
A901		FALSE	1	Yes
A902	Do you adjust your heating - Because of children, infants, babies	FALSE	0	No
A902		FALSE	1	Yes
1002	De vou adjust vous beating. Visitors	FALSE	0	No
A903	Do you adjust your heating - Visitors	FALSE	1	Yes
A004	Do you adjust your heating. Date	FALSE	0	No
A904	Do you adjust your heating - Pets	FALSE	1	Yes
A005	Do you adjust your backing Chase	FALSE	0	No
A905	Do you adjust your heating - Stress	FALSE	1	Yes

Survey field	Approximate question		Possible values	Value meanings
A906	Do you adjust your heating - Working at	FALSE	0	No
	home	FALSE	1	Yes
A907	Do you adjust your heating - None of these	FALSE	0	No
A301	Do you adjust your fleating - None or these	FALSE	1	Yes
		FALSE	-2	No answer
		FALSE	1	Always
		FALSE	2	Very often
A10	How do you adjust heating controls when house in unoccupied	FALSE	3	Quite often
		FALSE	4	Not very often
		FALSE	5	Never
		FALSE	6	Not applicable, cannot do this
	During the winter, are there living spaces not normally heated	FALSE	-2	No answer
A11		FALSE	1	Yes
		FALSE	2	No
A42 Chawar DK	Chause water heated (Don't Know)	FALSE	0	No
A12_Shower_DK	Shower water heated (Dont Know)	FALSE	1	Yes
A40 Chausa FII	Charrier hasted (Floatrical Haster)	FALSE	0	No
A12_Shower_EH	Shower water heated (Electrical Heater)	FALSE	1	Yes
A40 Charres OD	Charrier hasted (O = D = "l = A	FALSE	0	No
A12_Shower_GB	Shower water heated (Gas Boiler)	FALSE	1	Yes
A40. Ob NA	Observed the bast of (Net and Park)	FALSE	0	No
A12_Shower_NA	Shower water heated (Not applicable)	FALSE	1	Yes
A 40 OI OII	21	FALSE	0	No
A12_Shower_Other	Shower water heated (Other)	FALSE	1	Yes

Survey field	Approximate question		Possible values	Value meanings
A12_Shower_SWH	Shower water heated (Solar Water Heater)	FALSE	0	No
A12_OHOWEI_OVVII	Shower water heated (Solar Water Fleater)	FALSE	1	Yes
A12_Taps_DK	Tap water heated (Dont Know)	FALSE	0	No
Α12_1αρ3_DR	rap water neated (Dont Know)	FALSE	1	Yes
A12_Taps_EH	Tap water heated (Electrical Heater)	FALSE	0	No
Α12_1aμ5_L11	rap water fleated (Liectifical Fleater)	FALSE	1	Yes
A12_Taps_GB	Tap water heated (Gas Boiler)	FALSE	0	No
A12_1aps_GB	Tap water fleated (Gas Boller)	FALSE	1	Yes
A12_Taps_NA	Tap water heated (Not applicable)	FALSE	0	No
A12_1aps_NA		FALSE	1	Yes
A40 Tana Othan	Tap water heated (Other)	FALSE	0	No
A12_Taps_Other		FALSE	1	Yes
A12_Taps_SWH	All Top water booted (Color Motor Heater)	FALSE	0	No
A12_1aps_5W11	Tap water heated (Solar Water Heater)	FALSE	1	Yes
		FALSE	-2	No answer
		FALSE	1	Always
		FALSE	2	Very often
A13_01	How often do you Switch off lights	FALSE	3	Quite often
		FALSE	4	Not very often
	_	FALSE	5	Never
	_	FALSE	6	Not applicable, cannot do this
		FALSE	-2	No answer
A13_02	How often do you Put on more clothes when cold	FALSE	1	Always
	WITCH COIU -	FALSE	2	Very often

		Freetext Possible	
Survey field	Approximate question	option values	Value meanings
	-	FALSE 3	Quite often
		FALSE 4	Not very often
		FALSE 5	Never
		FALSE 6	Not applicable, cannot do this
		FALSE -2	No answer
		FALSE -1	Don't know
<b>0.4.4</b>	How much effort do you say your	FALSE 1	A great deal of effort
A14	household makes to limit energy usage	FALSE 2	Some effort
		FALSE 3	A little effort
	-	FALSE 4	No effort at all
		FALSE -2	No answer
		FALSE -1	Don't know
		FALSE 1	Always
A1501	How often will your household open the windows on a typical cold day	FALSE 2	Very often
		FALSE 3	Quite often
		FALSE 4	Not very often
		FALSE 5	Never
		FALSE -2	No answer
		FALSE -1	Don't know
		FALSE 1	Always
A1502	How often will your household open the windows on a typical warm day	FALSE 2	Very often
	willia walli a typical wallii day	FALSE 3	Quite often
		FALSE 4	Not very often
	-	FALSE 5	Never

Survey field	Approximate question		Possible values	Value meanings
A1601	Considering replacing or adding heating or	FALSE	0	No
A1001	energy- Not considering	FALSE	1	Yes
A1602	Considering replacing or adding heating or	FALSE	0	No
A1002	energy- Not applicable	FALSE	1	Yes
A1603	Considering replacing or adding heating or	FALSE	0	No
A1003	energy- Gas Boiler	FALSE	1	Yes
A4CO4	Considering replacing or adding heating or	FALSE	0	No
A1604	energy- Solar panels for electricity	FALSE	1	Yes
A4005	Considering replacing or adding heating or	FALSE	0	No
A1605	energy- Solar water heating	FALSE	1	Yes
14000	Considering replacing or adding heating or	FALSE	0	No
A1606	energy- Wood or fuel burner	FALSE	1	Yes
A4607	Considering replacing or adding heating or	FALSE	0	No
A1607	energy- Heat pump	FALSE	1	Yes
14000	Considering replacing or adding heating or	FALSE	0	No
A1608	energy- Micro combined HPU	FALSE	1	Yes
14000	Considering replacing or adding heating or	FALSE	0	No
A1609	energy- Wind turbine	FALSE	1	Yes
A 4 0 4 0	Considering replacing or adding heating or	FALSE	0	No
A1610	energy- other specify	FALSE	1	Yes
A16_Other	Considering replacing or adding heating or energy- other	TRUE		

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Survey field	Approximate question		Possible values	Value meanings
		FALSE	-2	No answer
		FALSE	1	detached
		FALSE	2	semi detached
		FALSE	3	terraced (including end terrace)
B1	What type of accomodation do you live in	FALSE	4	in a purpose-built block of flats or tenement
	-	FALSE	5	part of a converted or shared house (including bedsits)
		FALSE	6	in a commercial building (e.g. in an office building, hotel or over a shop)
B2	Is your accomodation self contained	FALSE	-2	No answer
		FALSE	1	Yes, all the rooms are behind a door that only my household can use
		FALSE	2	No
B3	How many other households do you share with	TRUE	-9	Not applicable
D3		TRUE	-2	No answer
	-	FALSE	-2	No answer
		FALSE	1	Own it outright / buying it with a mortgage/loan
D4	Do you own or root this assemblation	FALSE	2	Part own and part rent (shared ownership)
B4	Do you own or rent this accomodation	FALSE	3	Privately
	-	FALSE	4	From council (local authority) or housing association
	-	FALSE	5	Live here rent free
DE.	How many rooms are available for use by	TRUE	-2	No answer
B5	this household	TRUE	-4	Unusable

Survey field	Approximate question	Freetext option		Value meanings
B6	How many of these rooms count as	TRUE	-2	No answer
	bedrooms	TRUE	-4	Unusable
		FALSE	-2	No answer
B7	During the cold winter weather can you	FALSE	-1	Don't know
D/	keep comfortably warm	FALSE	1	Yes
		FALSE	2	No
		FALSE	-2	No answer
B8	Do you have problems with condensation,	FALSE	-1	Don't know
БО	damp or mould	FALSE	1	Yes
		FALSE	2	No
		FALSE	-2	No answer
		FALSE	-1	Don't know
		FALSE	1	Before 1900
		FALSE	2	1900 to 1929
B9	When was your accomodation built	FALSE	3	1930 to 1949
		FALSE	4	1950 to 1975
		FALSE	5	1976 to 1990
		FALSE	6	1991 to 2002
	-	FALSE	7	2003 onwards
D1001	Appliances in accomodation - Kitchen -	FALSE	0	No
B1001	Electric Oven	FALSE	1	Yes
B1002	Appliances in accomodation - Kitchen -	FALSE	0	No
D1002	Gas Oven	FALSE	1	Yes

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Survey field	Approximate question		Possible values	Value meanings
		FALSE	-	No
B1003	Appliances in accomodation - Kitchen Electric Hob			
	Electric Hob	FALSE	1	Yes
B1004	Appliances in accomodation - Kitchen -	FALSE	0	No
	Gas Hob	FALSE	1	Yes
B1005	Appliances in accomodation - Kitchen -	FALSE	0	No
B1005	Dishwasher	FALSE	1	Yes
D4000	Appliances in accomodation - Kitchen -	FALSE	0	No
B1006	Fridge or fridge-freezer	FALSE	1	Yes
D.1007	Appliances in accomodation - Kitchen -	FALSE	0	No
B1007	Separate stand alone freezer	FALSE	1	Yes
D. 1000	Appliances in accomodation - Laundry -	FALSE	0	No
B1008	Combined clothes washer dryer	FALSE	1	Yes
D4000	Appliances in accomodation - Laundry -	FALSE	0	No
B1009	Washing machine	FALSE	1	Yes
B1010	Appliances in accomodation - Laundry -	FALSE	0	No
БІОТО	Tumble dryer	FALSE	1	Yes
D4044	Appliances in accomodation - Consumer	FALSE	0	No
B1011	electronics - Laptop, computer	FALSE	1	Yes
D4040	Appliances in accomodation - Consumer	FALSE	0	No
B1012	electronics - TV	FALSE	1	Yes
D4040	Appliances in accomodation - Cooling - all	FALSE	0	No
B1013	conditioning unit	FALSE	1	Yes
	Appliances in accomodation - Cooling -	FALSE	0	No
B1014	cooling fan		1	Yes
	<b>3</b>	· · · - <b></b>		

Survey field	Approximate question		Possible values	Value meanings
C1	How many people live in household	TRUE	-2	No answer
C2_Female_0_15	Females in houshold (0-15)	TRUE	-9	Not applicable
CZ_Female_0_15	remales in noushold (0-15)	TRUE	-2	No answer
C2 Famala 16 24	Famalas in haushald (16.24)	TRUE	-9	Not applicable
C2_Female_16_24	Females in houshold (16-24)	TRUE	-2	No answer
C2 Famala 25 44	Famalas in haushald (25.44)	TRUE	-9	Not applicable
C2_Female_25_44	Females in houshold (25-44)	TRUE	-2	No answer
C2 Famala 45 64	Females in houshold (45-64)	TRUE	-9	Not applicable
C2_Female_45_64		TRUE	-2	No answer
CO Female 05 74	Females in houshold (65-74)	TRUE	-9	Not applicable
C2_Female_65_74		TRUE	-2	No answer
00 Famala 75 04	Females in houshold (75-84)	TRUE	-9	Not applicable
C2_Female_75_84		TRUE	-2	No answer
C2 Famala 95 plus	Females in houshold (85+)	TRUE	-9	Not applicable
CZ_Female_ob_plus		TRUE	-2	No answer
C2 Mala 0 15	Males in houshold (0-15)	TRUE	-9	Not applicable
C2_Male_0_15		TRUE	-2	No answer
C2 Mala 16 24	Males in houshold (16-24)	TRUE	-9	Not applicable
C2_Male_16_24		TRUE	-2	No answer
C2_Male_25_44	Males in houshold (25-44)	TRUE	-9	Not applicable
		TRUE	-2	No answer
C2 Mala 45 64	Malas in houshold (45.64)	TRUE	-9	Not applicable
C2_Male_45_64	Males in houshold (45-64)	TRUE	-2	No answer

Survey field	Approximate question		Possible	Value meanings
		•	values	
C2_Male_65_74	Males in houshold (65-74)	TRUE	-9	Not applicable
		TRUE	-2	No answer
C2_Male_75_84	Malaa in bassalal (75.04)	TRUE	-9	Not applicable
C2_IVIdIE_75_64	Males in houshold (75-84)	TRUE	-2	No answer
C2_Male_85_plus	Males in houshold (85+)	TRUE	-9	Not applicable
Cz_iviale_o5_plus	iviales in noushold (65+)	TRUE	-2	No answer
C204	Working Status - Working 30 + hours per	TRUE	-9	Not applicable
C301	week	TRUE	-2	No answer
C202	Working Status - Working less than 30 hours per week	TRUE	-9	Not applicable
C302		TRUE	-2	No answer
0000	Working Status - Not Working - long term _ sickness or disability	TRUE	-9	Not applicable
C303		TRUE	-2	No answer
C304	Working Status - Unemployed but seeking work	TRUE	-9	Not applicable
		TRUE	-2	No answer
C305	Working Status - Student	TRUE	-9	Not applicable
C305		TRUE	-2	No answer
0200	Working Status - Retired / at home / not seeking work	TRUE	-9	Not applicable
C306		TRUE	-2	No answer
0207	Working Status - Other -	TRUE	-9	Not applicable
C307		TRUE	-2	No answer
C4	How many people in household hold a degree or higher qualification	TRUE	-2	No answer
		TRUE	-1	Don't know / Prefer not to say
0.5	Does household have plug in electric	FALSE	-2	No answer
C5	vehicle	FALSE	-1	Don't know

Survey field	Approximate question		Possible values	Value meanings	
	-	FALSE	1	Yes	
		FALSE	2	No	
		FALSE	-9	Not applicable	
		FALSE	-2	No answer	
		FALSE	-1	Don't know	
	When does household shows also this	FALSE	1	Mostly overnight (8pm to 7am)	
C6	When does household charge electric vehicle at home	FALSE	2	Mostly during the day (7am to 4pm)	
		FALSE	3	Mostly in the evening (4pm to 8pm)	
		FALSE	4	Varies - whenever it's needed	
		FALSE	5	Not applicable, charging is not done at home (e.g. at work)	
Collection Mathed	Data collection method —	FALSE	1	Online	
Collection_Method		FALSE	2	Offline	
	Age Group	FALSE	-9	Not applicable	
		FALSE	-2	No answer	
		FALSE	1	Under 18	
		FALSE	2	18-24	
D1		FALSE	3	25-44	
		FALSE	4	45-64	
		FALSE	5	65-74	
		FALSE	6	75-84	
		FALSE	7	85+	

Survey field	Approximate question		Possible values	Value meanings
	-	FALSE	-9	Not applicable
		FALSE	-3	Prefer not to say
		FALSE	-2	No answer
D2	Gender	FALSE	-1	Don't know
		FALSE	1	Male
		FALSE	2	Female
		FALSE	3	In some other way
D3		FALSE	-9	Not applicable
		FALSE	-3	Prefer not to say
	Current Employment Status	FALSE	-2	No answer
		FALSE	-1	Don't know
		FALSE	1	Working (paid or unpaid): 30 hours a week or more
		FALSE	2	Working (paid or unpaid): less than 30 hours a week
		FALSE	3	Not working because of long-term sickness or disability
		FALSE	4	Unemployed but seeking work
		FALSE	5	A student
	_	FALSE	6	Retired/at home/not seeking work (including looking after the home or family)
		FALSE	7	Other

Survey field	Approximate question	Freetext Possible option values	Value meanings
D4	How well do you manage financially	FALSE -3	Prefer not to say
		FALSE -2	No answer
		FALSE -1	Don't know
		FALSE 1	Living comfortably
		FALSE 2	Doing alright
		nancially — — — — — — — — — — — — — — — — — —	Just about getting by
	-	FALSE 4	Finding it quite difficult
		FALSE 5	Finding it very difficult

# Added and derived survey data fields

In addition to the data fields described in the table above, the survey data also contains the following columns. Some of these are participant information columns, some have been computed from the survey response data to aid analysis, and some which attempt to clean the survey data for certain questions.

Table 3: Data field for those fields that are not survey question responses and those that are calculated from survey question response fields.

Field	Description	Class	Example value
PUPRN	Pseudonymised participant identifier	character	1VUXXXF1
Cell	Pilot study test cell in 1:12	integer	7
Collection_method	1 if survey completed online, 2 if offline	integer	1
IMD_quintile	Index of Multiple Deprivation quintile (1 is most deprived, 5 is least deprived	integer	2
Region	Region in GB	character	East Midlands
LSOA	Lower Super Output Area in GB	character	E01015916
A3_sum	Number of response options selected for question A3 (ie the values of A301 + A302 + $\dots$ + A310)	integer	2
A3_err	A3 error flag: TRUE if 'No central heating' and some other type of central heating specified. Otherwise FALSE	logical	FALSE
A301_edit	TRUE if A301 was edited, otherwise FALSE	logical	FALSE
A4_sum	Number of response options selected for question A4 (ie the values of A401 + A402 + $\dots$ + A406)	integer	2
A4_err	A4 error flag: TRUE if 'none of these' was selected along with another option, otherwise FALSE	logical	FALSE
A401_edit	TRUE if A401 was edited, otherwise FALSE	logical	FALSE
A5_edit	TRUE if A5 response was very high and therefore assumed to be in Fahrenheit and converted to Celsius, otherwise FASLE.	logical	FALSE
A9_sum	Number of response options selected for question A9 (ie the values of A901 + A902 + $\dots$ + A907)	integer	4

Field	Description	Class	Example value
A12_Taps_sum	Number of response options selected for question A12 (taps)	integer	0
A12_Shower_sum	Number of response options selected for question A12 (shower)	integer	1
A16_sum	Number of response options selected for question A16 (ie the values of A1601 + A1602 + + A1610)	integer	2
A16_edit	TRUE if any A16 responses were edited, otherwise FALSE. If 'not applicable' or 'Not considering any changes' were selected, any other response was removed (except for 'other' which was kept to prevent deleting potentially useful notes).	logical	FALSE
B5_err	B5 error flag: TRUE if B5 < B6 (Number of rooms less than number of bedrooms) or if B5 == 0 (No rooms)	logical	FALSE
B6_err	B6 error flag: TRUE if B5 < B6 (Number of rooms less than number of bedrooms)	logical	FALSE
B10_sum	Number of response options selected for question B106 (ie the values of B1001 + B1002 + + B1014)	integer	12
C1_new	C1 after error correction.	integer	1
C2_sum	Number of response options selected for question C2 (ie the values all male and female age categories). Should be equal to C1.	numeric	4
C2_sum_diff	C2_sum - C1 (total number of occupants across the age and sex categories minus number of reported occupants	numeric	0
C2_error	C2 error flag: TRUE if C2_sum_diff is not equal to 0 (and both questions were answered) and if there isn't an obvious error easily corrected (case by case basis).	logical	FALSE
C2_tot_child	Sum of males and females aged 0-15 years.	numeric	1
C2_tot_adult	Sum of males and females aged 16+ years.	numeric	1
C2_tot_65_plus	Sum of males and females aged 65+ years.	numeric	1
All_65_plus	TRUE if all occupants are 65+, FALSE if any under 65, NA if unable to determine	numeric	TRUE
C3_sum	Number of response options selected for question C3 (ie the values of C301 + C302 + + C307	numeric	4

Field	Description	Class	Example value
C3_sum_diff	C3_sum - C2_tot_adult (total number of adults across the working categories minus number of reported adults across both sexes.	numeric	0
C3_error	C3 error flag: TRUE if C3_sum_diff is not equal to 0 (and both questions were answered) and if there isn't an obvious error easily corrected (case by case basis).	logical	FALSE
C3_edit	TRUE if C3 response was edited in order to correct obvious mistakes, otherwise FALSE	logical	FALSE
None_working	TRUE if no one in the working categories, FALSE if anyone in the working categories, NA if not able to determine	numeric	FALSE
C4_error	C4 error flag: TRUE if C4 > C1_new and C1 was answered (i.e. more occupants with a qualification than occupants.	logical	FALSE
D1_new	Backfill of D1 with C1 data since D1 was optional if the participant had already given their data as a single occupant when reporting for the household (of 1). See D1 description for details.	numeric	5
D2_new	Backfill of D2 with C2 data since D2 was optional if the participant had already given their data as a single occupant when reporting for the household (of 1). See D2 description for details.	numeric	2
D3_new	Backfill of D3 with C2 data since D3 was optional if the participant had already given their data as a single occupant when reporting for the household (of 1). See D3 description for details.	numeric	1