V1.A9.2  Briefing........................................................................................................... A9-1
V1.A9.3  Fieldwork Schedule...................................................................................... A9-2
V1.A9.4  Advance Letters ........................................................................................... A9-2
V1.A9.5  Thank-you Leaflets ...................................................................................... A9-2
V1.A9.6  Supervision and Quality Control................................................................. A9-3
V1.A9.7  Response......................................................................................................... A9-3

Appendix V1.A10  Advance Letters........................................................................ A10-1
V1.A10.1  England and Wales (English Language)...................................................... A10-1
V1.A10.2  Wales (Welsh Language)........................................................................... A10-2
V1.A10.3  Scotland...................................................................................................... A10-3
V1.A10.4  Northern Ireland......................................................................................... A10-4

Appendix V1.A11  Thank-you Leaflets .................................................................... A11-1
V1.A11.1  England..................................................................................................... A11-1
V1.A11.2  Wales (English Language)........................................................................ A11-2
V1.A11.3  Wales (Welsh Language).......................................................................... A11-2
V1.A11.4  Scotland..................................................................................................... A11-3
V1.A11.5  Northern Ireland....................................................................................... A11-3

Appendix V1.A12  Data Processing.......................................................................... A12-1
V1.A12.1  Data Transfer ............................................................................................ A12-1
V1.A12.2  Data Editing ............................................................................................... A12-1
V1.A12.3  Weighting.................................................................................................... A12-3
V1.1 Introduction

This volume describes the research method for the National Noise Attitude Survey 2012 (NNAS2012), under headings of:

- Survey Sample;
- Questionnaire;
- Fieldwork; and
- Data Processing.

Under each heading, there is a summary of the method, with additional detail being provided in appendices.

The NNAS2012 had two principal objectives:

- to provide the Government with a good estimate of current attitudes to various aspects of environmental, neighbour and neighbourhood noise (including the percentage of the population affected); and
- to allow the Government to detect any substantive changes in attitudes to noise in the UK since a previous similar survey conducted in 2000 (NNAS2000); and

To achieve these key aims, certain competing, and to some extent incompatible, priorities were placed on the design, including that it should:

- use a representative UK population sample;
- accommodate new information, e.g. new sources of noise such as mobile phones and current policy topics, such as Quiet Areas;
- shorten the interview, as feedback from NNAS2000 was that the questionnaire took a fairly long time to complete; and
- be as similar as possible to NNAS2000, so as to permit valid comparison of the findings.

V1.2 Survey Sample

A stratified random sampling approach with clusters at the lowest level was used.

To address the first priority, the sample was designed to be representative of all people 16+ in the UK living in individual dwellings (i.e. excluding barracks, halls of residence, hospitals, care homes, prisons etc.). Because of the subject matter of the survey, anyone who was profoundly deaf was not interviewed. Partially deaf people were included as they would have some exposure to noise and could experience more difficulty if speech was masked by noise.

---

1 Environmental, neighbour and neighbourhood as defined in the Noise Policy Statement for England.
A sample of addresses was drawn from the Postcode Address File (PAF)\textsuperscript{2}. The NNAS2000 sampling method, which used the Electoral Register to select persons, was no longer viable in 2012 because of the large numbers of people who have opted out of being listed in the Register. Because the PAF lists addresses, not individuals, interviewers used Kish grids\textsuperscript{3} to select respondents randomly from among those eligible\textsuperscript{4}, if there was more than one dwelling\textsuperscript{5} at the address, more than one household in the dwelling or more than one person in the household. Any resulting sampling bias was corrected at the analysis stage, by weighting the data (V1.A12.3).

In NNAS2000, the sampling points were Electoral Wards; however, owing to changes described above, the sampling points for NNAS2012 were Lower level Census Super Output Areas\textsuperscript{6} (LSOAs). To maximise the coverage of any variation that exists within the population, the number of sampling points was increased from 58 in NNAS2000 to 180 in NNAS2012.\textsuperscript{7} All LSOAs in the UK were sorted into the constituent countries of Scotland, Wales, Northern Ireland and the nine Government Office Regions\textsuperscript{8} in England. Within each of the resulting 12 cells, LSOAs were selected with a probability proportional to their population. Within each LSOA, addresses were randomly sampled; 35 per LSOA within Greater London and 33 elsewhere, to reflect the lower expected response rates in London. (The proportion of gated communities or properties with phone-entry is higher in London than elsewhere making it harder to access the selected property.) The total number of addresses issued to interviewers was 6,006, with a target of achieving 3,200 interviews.

An additional sample was drawn to boost the number of interviews and allow more detailed sub-group analysis. An additional 788 addresses were selected from 38 points, where response had been poorer than other sampling points, and randomly sampling in a neighbouring LSOA so that the same interviewer could be used.

---

\textsuperscript{2} The Postcode Address File (PAF) is a database which contains all known "Delivery Points" and postcodes in the United Kingdom. The PAF is a collection of over 29 million Royal Mail postal addresses and 1.8 million postcodes. It includes Small User Residential, Small User Organisation and Large User Organisation details and forms the most comprehensive list of residential addresses available for this type of survey.

\textsuperscript{3} The Kish grid or Kish selection table is a method for selecting members within a household to be interviewed. It uses a pre-assigned table of random numbers to find the person to be interviewed.

\textsuperscript{4} All people 16+ in the UK living in individual dwellings were eligible to be interviewed, excluding anyone who was profoundly deaf, but including partially deaf people.

\textsuperscript{5} A dwelling is defined as a self-contained 'substantial' unit of accommodation, e.g. a building or part of a building, and may contain more than one household.

\textsuperscript{6} A Census Output Area (OA) is the smallest unit for which census data are published. They contain at least 40 households and 100 persons, the target size being 125 households. They were built up from postcode blocks after the census data (from 2001) were available, with the intention of standardising population sizes, geographical shape and social homogeneity (in terms of dwelling types and housing tenure). Super Output Areas (SOAs) are a set of geographical areas developed with the aim to produce a set of areas of consistent size, whose boundaries would not change (unlike electoral wards). They are an aggregation of adjacent OAs with similar social characteristics. LSOAs typically contain 4 to 6 OAs with a population of around 1500. Middle Layer Super Output Areas (MSOAs) also exist and have, on average, a population of 7,200. The hierarchy of OAs and the two tiers of SOAs have become known as the Neighbourhood Statistics Geography.

\textsuperscript{7} The restriction in NNAS2000 had been necessary for the survey data to be compared to data from a limited number of noise monitoring points.

\textsuperscript{8} A Government Office Region in England is the highest tier of sub-national division used by central Government and are defined as first level NUTS regions within the European Union.
In the event, 2,747 usable interviews were processed. Appendix V1.A1 provides more details of the sampling process.

The geographical distribution of the resulting sample can be seen in Figure V1.1. If reading this report electronically, hovering over the symbols will reveal the postcode sector for the sample point.
V1.3 Questionnaire

To meet the first objective and the fourth design priority, the starting point for the questionnaire was the one used in NNAS2000. The new questionnaire was developed to maintain comparability of responses with the 2000 survey, whilst taking account of the second and third design priorities.

In order to meet the second and third design priorities, it was accepted that confidence in backward compatibility could be made high for some questions but other questions would be only broadly comparable (i.e. quantitative trends should not be calculated or inferred). Some questions would not be comparable at all due to changes in survey design.

The full questionnaire development process is described in Appendix V1.A4 and the final NNAS2012 questionnaire is shown in Appendix V1.A5. The interview show cards and sort cards are shown in Appendix V1.A6.

In summary, the NNAS2012 questionnaire covered the following topics:

- attitudes to the area and neighbourhood, before any questions specifically about noise;
- overall ratings of noise and sensitivity to noise, ranking of noise in comparison with other environmental issues, ratings of how much the respondent was bothered, annoyed or disturbed by noise from each of 15 types of noise source, and ranking of these sources:
  - aircraft, airports or airfields;
  - trains or railway stations;
  - road traffic;
  - sea, river or canal traffic;
  - building, construction, demolition, renovation or road works;
  - neighbours (inside their homes);
  - neighbours (outside their homes);
  - other people nearby;
  - sports;
  - other entertainment or leisure;
  - industrial sites;
  - other commercial premises;
  - forestry, farming or agriculture;
  - community buildings; and
  - any other noise;
detailed attitudes to road traffic noise, noise from neighbours (and other people nearby), and up to three other noise sources if ranked in the respondent’s top three. These questions asked about:

- the extent to which the respondent was bothered, annoyed or disturbed by specific types of noise from each source (e.g. different types of road and different types of vehicle);
- how the noise makes the respondent feel and the activities the noise interferes with;
- comparisons of different times of day and with the situation five years earlier;
- the noise while it is actually happening and in general; and
- how much the respondent was bothered, annoyed or disturbed by vibration from the noise source;

- rating of the extent to which noise overall spoils the respondent’s home life;
- disturbance of sleep;
- the effect of opening and closing windows on perceived noise;
- actions taken to do something about noise and selected other environmental issues;
- the respondent’s use of outdoor places in order to find somewhere peaceful or quiet;
- background information on the household and the dwelling; and
- the interviewer’s own observations on noise in the locality.

Whereas NNAS2000 had used a paper questionnaire, NNAS2012 was administered using Computer Assisted Personal Interviewing (CAPI), although all show cards remained on paper. Identified implications of this change include:

- time taken to deliver survey;
- reduction in potential for interviewer error;
- attitude of respondents to computers; and
- true randomisation of options, where employed.

No identified implications were considered to have a material impact on the backwards compatibility of the survey. The questionnaire was developed first in Microsoft Word, as this is quicker to edit and easier to view and discuss than CAPI script. The questionnaire was subject to extensive internal review and testing by the project team, before field piloting in locations selected to represent a range of noise sources. Following the pilot, final internal discussions, modifications and testing were completed.

---

9 Some sections included additional questions. In particular, the section on noise from neighbours and other people nearby also asked about the relative impact of the noise, depending on whether the neighbours are indoors or outdoors and whether the respondent is indoors or outdoors, and whether the noise is attributed to neighbours making an unreasonable amount of noise and/or not having good sound insulation.
V1.4 Fieldwork

Interviewing was carried out by 155 fully trained and experienced interviewers. All were personally briefed before starting work on the survey, with 12 briefings being held at locations across the UK. The briefings contained the following elements and the presentation material can be seen at Appendix V1.A8:

- Introduction to NNAS;
- The Sample and the Contact Sheet;
- Making Contact and Maximising Response;
- Field Administration and the fieldwork company’s (GfK NOP) Electronic Sample Management System;
- Introduction to the Questionnaire – definitions and points to be aware of;
- Practice Interview;
- On-screen Examples of Parts of the Questionnaire not covered in the practice; and
- Discussion of Different Noise Types and how they should be coded.

Fieldwork began on 5 December 2011 and work on the initial sample continued until 20 May 2012, with a break for the Christmas period from 16-27 December. Work began on the additional sample on 24 April and continued until 20 May 2012. The final questionnaire required a median of 48 minutes to administer. The inter-quartile range was 26 minutes and 57% of interviews exceeded the target of 40mins, whilst 22% of interviews exceeded an hour.

While the interviews appear to have taken longer than desired, feedback from respondents suggested that they had enjoyed taking part and having the opportunity to express their opinions. This is reflected in 77% giving permission for the interviewers to return if at some point in the future Defra carried out a further study on this topic.

Quality control procedures followed the requirements of the Market Research Society Interviewer Quality Control Scheme. This included a proportion of interviewers being accompanied by a supervisor, and back-checking on completed interviews.

Standard procedures for maximising response were followed, including: advance letters to sampled addresses; a minimum of six calls being made at each address; calls being made at evening and weekends; calls being spread over a long period; and the interviewers being trained in techniques for encouraging people to take part. In addition, suitable refusals and non-contacts were sent back into the field for another interviewer to attempt an interview. No incentive was offered to potential respondents.

From the main sample, 2,552 interviews were achieved, representing an overall effective response rate (after discounting non-existent, non-residential or unoccupied properties) of 45%. The additional sample yielded a further 251 interviews (31% response), making a total of 2,803 interviews completed, of which 2,747 were available for further processing.
The response rates were considerably lower than anticipated and the length of the interview is a likely contributory factor. The contact sheet included coding of dwelling type, so that checks for any bias in relation to this variable could be made. The figures show a bias against flat dwellers that many surveys suffer from. In the case of purpose-built flats, there is often difficulty gaining entry to the block, whereas converted flats are often located in the inner city and inhabited by young people who are rarely at home.

Whilst the topic of noise proved interesting to those who took part in the survey, the survey could not be presented in the advance letter or on the doorstep as being about noise – as that would have influenced answers to the early questions addressing noise among other likes and dislikes about the home and neighbourhood, and in the context of other environmental problems. The survey thus had to be presented as being about the more general topic of “environmental problems”; this was the same introduction as used in NNAS2000 but may have been less attractive than “noise” for potential respondents. Feedback suggests that an individual’s understanding of “environmental problems” may have evolved over the intervening period. It now seems to be associated more with larger, global issues such as climate change for example, than the more local issues encountered in the neighbourhood.

Appendix V1.A9 provides more detail on the fieldwork.

**V1.5 Data Processing**

Completed interviews were transferred from interviewers’ CAPI laptops to GfK NOP’s central CAPI server. As a result of an unusual combination of circumstances, the loss of data was greater than normal: 56 interviews were lost and the number of interviews processed was 2,747. It is believed that this will give a robust sample size for analysis and drawing statistically significant conclusions. For comparison, 2,876 interviews were achieved in NNAS2000.

The use of CAPI eliminates almost all of the routing errors an interviewer can make. In addition, a further level of checking on the structural integrity of the data was built into the process of creating the SPSS data file from the CAPI software. Nevertheless, further levels of data checking were executed in response to specific queries from Defra.

As noted in Section V1.2, the selection of a person to be interviewed at each selected address creates biases that need to be countered by weighting the data. The weighting corrects for the fact that a person’s probability of being selected for interview decreases as the household size increases, and as the number of dwellings or households at the same address increases.

Any form of weighting has a negative effect on precision because it reduces the effective sample size and thus increases sampling error. This impact of weighting is determined mainly by the extreme high and low weights, and the number of respondents who receive those weights. Selection weighting can lead to very large weights and so sensitivity
analysis was carried out on a key question (A9) with selection weights capped at 5 and 10. No substantial differences were found and therefore a decision was made to cap selection weights at 10, to reduce the chance of introducing additional biases and minimise the effect of weighting on the effective sample size.

The socio-demographic characteristics of the achieved sample were compared to those of the population to determine whether the achieved sample effectively represented the population as a whole. The comparison considered the 2011 population estimates for those in England and Wales (the Census does not cover Scotland or Northern Ireland). Compared with 2011 population data (based on the Census), the NNAS2012 respondents tended to be more likely to be older and/or retired, less likely to be working full time, more likely to be in social groups A/B\(^{10}\) and more likely to be owner-occupiers. More detail on this analysis can be in Appendix V1.A9.7.

Sensitivity analysis was carried out on key variables to determine whether the differences identified had the potential to skew the overall conclusions from this study. It was concluded that even though there are significant differences between the overrepresented and other socio-demographic groups on key attitudes and perceptions towards noise, this is not likely skew the overall picture as the attitudes of these overrepresented groups do not tend to differ significantly from the overall average, other than for three exceptions.

The first exception is that the “higher and intermediate managerial / administrative / professional” social groups (A/B) were found to be more likely to be annoyed by noise from aircraft, airports and airfields compared to the overall levels of annoyance from this source.

The second exception is that retired people were found to be less likely to report negatively about the amount of noise in their local environment and report reduced levels of annoyance towards noise from road traffic and neighbours (and other people nearby) compared to the overall reported levels of annoyance towards noise from these two key sources. Finally, owner-occupiers are less likely to report negatively about the amount of noise in their local environment and report less annoyance towards noise from neighbours and other people nearby compared to the overall reported level of annoyance towards noise from this key source. These latter two exceptions mean that it can be safely concluded that are not over-estimating the effect for these two parameters, but in fact, any findings are potentially a conservative estimate.

Accordingly, it was decided that no post-stratification weighting would be employed. However, care will be required when considering the detailed interpretation of the results of NNAS2012 associated with noise from aircraft, airports and airfields that are presented in Volumes 2, 3, 4 and 5.

\(^{10}\) Social groups A/B – Chief income earner in household is in the grade defined as high or intermediate managerial, administrative or professional. For more info, see the National Readership Survey.
The complexity of the methodology has prevented the calculation of confidence intervals around the estimates for any of the results. Theoretically, these can be calculated by taking into account the sample design (e.g. stratified sample design, the oversampling) and the weighting strategy (e.g. the selection weighting, post-stratification weighting if employed), but in cases such as this, it is difficult to define. A simple confidence interval based on the assumptions of a simple random design would have overestimated the confidence put in the estimates and thus been misleading.

Further details of data processing are given in Appendix V1.A12.

V1.6 Interpretation of Data

When interpreting the findings, it should always be borne in mind that the final sample differed from the UK population (according to the 2011 Census) in the following ways:

- the NNAS2012 respondents tended to be more likely to be in the “higher and intermediate managerial / administrative / professional” social groups (A/B) than the national population. Those in these social groups A/B were found to be more likely to be annoyed by noise from aircraft, airports and airfields compared to the overall levels of annoyance from this source;
- the NNAS2012 respondents tended to be more likely to be older and/or retired than the population as a whole. Retired people were found to be less likely to report negatively about the amount of noise in their local environment and they reported reduced levels of annoyance towards noise from road traffic and neighbours (and other people nearby) compared to the overall reported levels of annoyance towards noise from these two key sources; and
- the complexity of the methodology has prevented the calculation of confidence intervals around the estimates for any of the results. A simple confidence interval based on the assumptions of a simple random design would have overestimated the confidence put into the estimates and thus been misleading.
Appendix V1.A1  Survey Sampling Details


The sample was designed to be representative of all adults (defined as aged 16+ for the purposes of this survey) resident in dwellings in the UK. For practical purposes, residents of institutional accommodation (armed forces barracks, student halls of residence, hospitals, care homes, prisons etc.) were excluded, as in NNAS2000. As explained in the introduction to this Volume, the intention was for this survey to be as close as possible in design to the previous ones, to facilitate comparison. However, some changes had to be made to the survey design, most significantly in the case of the sample selection.

The two previous National Noise Attitude Surveys (in 1990 and 2000) were sampled from the Electoral Register, which was commonly in use as a sample frame at that time. One of the great attractions of the Electoral Register is that it is a list of individuals, rather than of addresses. For a survey setting out to represent all adults, this is preferable to any address-based list. However, following a High Court ruling in November 2001, legislation was passed that created two versions of the Electoral Register:

- a complete version accessible only under supervised access to the public, and more widely accessible to government officials, political parties and credit reference agencies; and
- a publicly available version, available for purchase by anyone, which electors could choose to appear on or be excluded from.

Because so many people (around 50%) choose not to be on the public register, there is so much risk of bias that the electoral register is now no longer suitable for use as a sampling frame.

Virtually all probability surveys in the UK that set out to represent the adult population now use the Postcode Address File (PAF) as the sampling frame, and that is what was used for NNAS2012. The residential PAF provides a list of almost all private residential addresses in the UK and is the most comprehensive frame available. Because it lists addresses, not individuals, interviewers were required to select respondents randomly from among those eligible (the selection process is described in Appendix V1.A1.5).

When sampling from a list of individuals, each person has an equal chance of selection. With a sample of addresses, each address has an equal chance of selection. Since addresses containing only one adult are exactly as likely to be selected as addresses containing five adults, the resulting sample of individual persons will inevitably be biased towards people living in smaller households. This can be corrected by weighting by the
number of adults in the household, but the use of this weighting will increase the design effect\(^\text{11}\) of the survey, and thus reduce the precision of the survey results. A sample drawn from the PAF has an effective sample size (the size against which sampling error is measured) of around 85% of that of an equivalent sample drawn from a sample of individuals.

The switch to PAF as the sample base is one that had to be made, but another change was also made to the sample design to improve data quality. One of the key things that any survey sample seeks to do is to maximise the coverage of any variation that exists within the sample universe, and one of the best ways to achieve this is to spread the sampling points as widely as possible. In NNAS2000, the sampling was restricted by the need for survey data to be compared to data from a limited number of noise monitoring points. Without this restriction in NNAS2012, the ability to follow a more “standard” approach to sample design existed.

NNAS2000 used 58 local authorities as its primary sampling units, with three wards selected in each authority. Although this means there were 174 sampling points in all – not unreasonable in a sample of that size – the fact that they were contained within only 58 local authorities would almost certainly have increased the design effect, in the same way as discussed above (with the weighting required to deal with the switch from Electoral Register to PAF), and reduced the effective sample size as a result. A sample design was therefore used with more first level sampling points, and with fewer interviews in each. It is true that lowering the level of clustering makes the interviewers’ task more difficult, as they have to travel further between addresses, and would have been less able to observe the selected households coming and going, to speak to neighbours (who might advise on contacting the selection household) or to make repeat calls at short intervals through the day. This might have had some impact on response rates, but this trade-off was accepted.

On the grounds that any change in methodology might have an effect on results, in theory this could have weakened comparability with NNAS2000, but there is no hypothesis of any specific bias. When comparing results between NNAS2000 and NNAS2012 no combined confidence intervals around test statistics have been calculated because of these differences in sample design/methodology. The two main positive impacts of the change in sampling were to reduce clustering, and thus reduce the design effect, and to improve the survey’s coverage of the variance in the population.

One final, minor difference, from the previous NNAS is that this time the sample was issued simultaneously (other than the additional sample), whereas on the previous survey some sample was held back in reserve until the original sample was exhausted. There is no reason why this particular difference should cause any bias in the findings.

---

\(11\) The design effect is a multiplier that needs to be applied to simple sampling error formulae to produce survey-specific error levels, and is influenced by the degree of clustering of the sample and the nature of any weighting applied.
V1.A1.2 Sampling Points and Stratification

Given the target sample size of 3,200 interviews, 180 sampling points was agreed as the best compromise between cost and survey coverage. Lower level Census Super Output Areas (LSOAs) were used as the primary sampling units.

All LSOAs in the UK were sorted into the constituent countries of Scotland, Wales, Northern Ireland and the nine Government Office Regions in England. Within each of the resulting 12 cells, LSOAs were ranked according to population size. Populations were cumulated down the entire list and the total divided by 180 to produce a sampling interval that was then applied repeatedly after a random start point to select 180 points (LSOAs) for the survey. This means that LSOAs were selected with a probability proportional to their size.

The sampling points are listed in Appendix V1.A2.

V1.A1.3 Selection of Addresses

Within each LSOA outside Greater London, 33 addresses were sampled by dividing the number of addresses in the LSOA by 33 and selecting a random start point. Within Greater London 35 addresses were selected in each LSOA, because of the known lower response rates achieved in London. (The proportion of gated communities or properties with phone-entry is higher in London than elsewhere making it harder to access the selected property.) The total number of addresses issued to interviewers at this stage was 6006.

V1.A1.4 Additional Sample

The achieved response rate was lower than anticipated (as described in Section V1.4), so an additional sample was drawn. An additional 38 points were drawn, by selecting original points where response had been poor, and sampling from a neighbouring LSOA, so that the same interviewer could be used. In each of these new points, 20 addresses were sampled in exactly the same way as described above. An administrative error meant that 33 addresses were issued in one of these points rather than 20, and 35 in another. The total number of additional addresses issued was thus 788.

It would have been possible to select additional addresses in the same LSOAs as the original sample, but this would have led to a higher level of clustering – and a different level of clustering from the other points. Within a given LSOA there could also be a distribution of propensity to be interviewed; sampling twice in the same LSOAs would then bias the final sample more towards those with a higher propensity. Sampling twice in the same LSOAs also risks the second sample being very similar in location to the first, which (a) reduces diversity in the sample and (b) risks approaching the neighbours of people
already approached for interview and those neighbours might already have been told they cannot be interviewed.

Because the additional interviews were conducted after the main sample, there is a possibility that responses may have been affected by the slightly different time of year. This was not intended, but does raise additional possibilities for analysing the effect of season on responses as part of any future analysis which may be carried out on this dataset.

V1.A1.5 Selection of Individuals for Interview

In most cases an address as listed on the Postcode Address File contains only one dwelling, but there remain addresses that are divided into flats or other units. Furthermore, some addresses have more than one household and many households have more than one member. In all such cases, the interviewer used a Kish grid to select one dwelling, household and person. A Kish Grid is the standard method for random selection within an address, at least in face-to-face surveys. A Kish grid was provided to interviewers as part of the Contact Sheet for each address. A copy of the Contact Sheet is shown in Appendix V1.A3.

Where there was more than one dwelling at an address, interviewers listed all dwellings at the address in a systematic order and selected one for the survey by using a Kish grid. A similar approach was used where there was more than one household or person to select from, listing all households at the address by flat name or location, or adult members of the household in alphabetical order by first name. The interviewer then reads along the selection part of the grid to find the number of adults in that household, and the grid then gives the number code of the adult to be interviewed.

Because of the subject matter of the survey, anyone selected for interview who was profoundly deaf was not interviewed. Partially deaf people were included as they would have some exposure to noise and could experience more difficulty where speech is masked by noise.

12 A household was defined as people who share a living room or who have common catering for at least one meal a day.
13 The grids varied between Contact Sheets, so that the person selected would vary.
Appendix V1.A2  Sampling Points

The postcode sectors and Output Areas for each sampling point are shown in Table V1.A2.1 below. Italics implies part of the additional sample and not the original.

<table>
<thead>
<tr>
<th>Point</th>
<th>GOR</th>
<th>Sector</th>
<th>SOA Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>East Midlands</td>
<td>NG23 5</td>
<td>E01026333</td>
</tr>
<tr>
<td>102</td>
<td>East Midlands</td>
<td>DN37 8</td>
<td>E01026417</td>
</tr>
<tr>
<td>103</td>
<td>East Midlands</td>
<td>LE12 8</td>
<td>E01025688</td>
</tr>
<tr>
<td>103</td>
<td><em>East Midlands</em></td>
<td>LE12 8</td>
<td>E01025734</td>
</tr>
<tr>
<td>104</td>
<td>East Midlands</td>
<td>PE10 0</td>
<td>E01026301</td>
</tr>
<tr>
<td>105</td>
<td>East Midlands</td>
<td>PE9 1</td>
<td>E01026350</td>
</tr>
<tr>
<td>106</td>
<td>East Midlands</td>
<td>DE45 1</td>
<td>E01019601</td>
</tr>
<tr>
<td>107</td>
<td>East Midlands</td>
<td>S18 2</td>
<td>E01019779</td>
</tr>
<tr>
<td>108</td>
<td>East Midlands</td>
<td>LN12 1</td>
<td>E01026073</td>
</tr>
<tr>
<td>109</td>
<td>East Midlands</td>
<td>DE24 8</td>
<td>E01013590</td>
</tr>
<tr>
<td>110</td>
<td>East Midlands</td>
<td>LE67 9</td>
<td>E01025869</td>
</tr>
<tr>
<td>111</td>
<td>East Midlands</td>
<td>NG4 4</td>
<td>E01028203</td>
</tr>
<tr>
<td>112</td>
<td>East Midlands</td>
<td>NG18 5</td>
<td>E01028245</td>
</tr>
<tr>
<td>113</td>
<td>East Midlands</td>
<td>NG7 1</td>
<td>E01013953</td>
</tr>
<tr>
<td>114</td>
<td>East of England</td>
<td>CO10 9</td>
<td>E01029881</td>
</tr>
<tr>
<td>115</td>
<td>East of England</td>
<td>SG19 2</td>
<td>E01017426</td>
</tr>
<tr>
<td>116</td>
<td>East of England</td>
<td>NR11 8</td>
<td>E01026762</td>
</tr>
<tr>
<td>117</td>
<td>East of England</td>
<td>LU5 5</td>
<td>E01017578</td>
</tr>
<tr>
<td>118</td>
<td>East of England</td>
<td>NR28 0</td>
<td>E01026761</td>
</tr>
<tr>
<td>119</td>
<td>East of England</td>
<td>PE16 6</td>
<td>E01018106</td>
</tr>
<tr>
<td>120</td>
<td>East of England</td>
<td>PE28 4</td>
<td>E01018150</td>
</tr>
<tr>
<td>120</td>
<td><em>East of England</em></td>
<td>PE28 4</td>
<td>E01018149</td>
</tr>
<tr>
<td>121</td>
<td>East of England</td>
<td>EN9 3</td>
<td>E01021814</td>
</tr>
<tr>
<td>122</td>
<td>East of England</td>
<td>SG1 1</td>
<td>E01023776</td>
</tr>
<tr>
<td>122</td>
<td><em>East of England</em></td>
<td>SG1 1</td>
<td>E01023777</td>
</tr>
<tr>
<td>123</td>
<td>East of England</td>
<td>NR6 5</td>
<td>E01026530</td>
</tr>
<tr>
<td>124</td>
<td>East of England</td>
<td>LU1 3</td>
<td>E01015789</td>
</tr>
<tr>
<td>125</td>
<td>East of England</td>
<td>SS5 6</td>
<td>E01021943</td>
</tr>
<tr>
<td>126</td>
<td>East of England</td>
<td>IP4 3</td>
<td>E01029999</td>
</tr>
<tr>
<td>127</td>
<td>East of England</td>
<td>CM1 6</td>
<td>E01021620</td>
</tr>
<tr>
<td>127</td>
<td><em>East of England</em></td>
<td>CM1 6</td>
<td>E01021624</td>
</tr>
<tr>
<td>128</td>
<td>East of England</td>
<td>NR1 2</td>
<td>E01026816</td>
</tr>
<tr>
<td>129</td>
<td>East of England</td>
<td>IP1 6</td>
<td>E01029975</td>
</tr>
<tr>
<td>130</td>
<td>London</td>
<td>EN5 2</td>
<td>E01000253</td>
</tr>
<tr>
<td>131</td>
<td>London</td>
<td>EN2 8</td>
<td>E01001468</td>
</tr>
</tbody>
</table>

14 Because there is no direct match between postal geography and Census geography, a small minority of addresses in a point may be in a different postcode sector from the one stated. However, they will be in a sector adjoining that stated.
<table>
<thead>
<tr>
<th>Point</th>
<th>GOR</th>
<th>Sector 14</th>
<th>SOA Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>132</td>
<td>London</td>
<td>CR8 3</td>
<td>E01004084</td>
</tr>
<tr>
<td>133</td>
<td>London</td>
<td>RM13 8</td>
<td>E01002369</td>
</tr>
<tr>
<td>134</td>
<td>London</td>
<td>SE12 0</td>
<td>E01003281</td>
</tr>
<tr>
<td>135</td>
<td>London</td>
<td>TW3 4</td>
<td>E01002628</td>
</tr>
<tr>
<td>136</td>
<td>London</td>
<td>SW19 2</td>
<td>E01003357</td>
</tr>
<tr>
<td>137</td>
<td>London</td>
<td>KT3 5</td>
<td>E01002982</td>
</tr>
<tr>
<td>138</td>
<td>London</td>
<td>DA7 5</td>
<td>E01000436</td>
</tr>
<tr>
<td>139</td>
<td>London</td>
<td>DA7 5</td>
<td>E01000440</td>
</tr>
<tr>
<td>140</td>
<td>London</td>
<td>NW9 9</td>
<td>E0100517</td>
</tr>
<tr>
<td>141</td>
<td>London</td>
<td>KT1 3</td>
<td>E01002974</td>
</tr>
<tr>
<td>142</td>
<td>London</td>
<td>NW10 3</td>
<td>E01000533</td>
</tr>
<tr>
<td>143</td>
<td>London</td>
<td>W7 1</td>
<td>E01001255</td>
</tr>
<tr>
<td>144</td>
<td>London</td>
<td>W7 1</td>
<td>E01001252</td>
</tr>
<tr>
<td>145</td>
<td>London</td>
<td>N15 5</td>
<td>E01002046</td>
</tr>
<tr>
<td>146</td>
<td>London</td>
<td>E16 2</td>
<td>E01003611</td>
</tr>
<tr>
<td>147</td>
<td>London</td>
<td>N9 7</td>
<td>E01001491</td>
</tr>
<tr>
<td>148</td>
<td>London</td>
<td>N9 7</td>
<td>E01001488</td>
</tr>
<tr>
<td>149</td>
<td>London</td>
<td>N4 3</td>
<td>E01002805</td>
</tr>
<tr>
<td>150</td>
<td>London</td>
<td>NW1 9</td>
<td>E01000865</td>
</tr>
<tr>
<td>151</td>
<td>London</td>
<td>W13 9</td>
<td>E01001384</td>
</tr>
<tr>
<td>152</td>
<td>London</td>
<td>W13 9</td>
<td>E01001385</td>
</tr>
<tr>
<td>153</td>
<td>London</td>
<td>SW1 5</td>
<td>E01004592</td>
</tr>
<tr>
<td>154</td>
<td>London</td>
<td>SE28 8</td>
<td>E01001692</td>
</tr>
<tr>
<td>155</td>
<td>North East</td>
<td>DL2 2</td>
<td>E01012334</td>
</tr>
<tr>
<td>156</td>
<td>North East</td>
<td>DL14 8</td>
<td>E01020880</td>
</tr>
<tr>
<td>157</td>
<td>North East</td>
<td>NE12 6</td>
<td>E01008507</td>
</tr>
<tr>
<td>158</td>
<td>North East</td>
<td>TS5 6</td>
<td>E01012080</td>
</tr>
<tr>
<td>159</td>
<td>North East</td>
<td>DH1 1</td>
<td>E01020728</td>
</tr>
<tr>
<td>160</td>
<td>North East</td>
<td>NE28 0</td>
<td>E01008512</td>
</tr>
<tr>
<td>161</td>
<td>North East</td>
<td>DL4 2</td>
<td>E01020841</td>
</tr>
<tr>
<td>162</td>
<td>North East</td>
<td>DH2 3</td>
<td>E01020599</td>
</tr>
<tr>
<td>163</td>
<td>North East</td>
<td>CW4 7</td>
<td>E01018722</td>
</tr>
<tr>
<td>164</td>
<td>North East</td>
<td>L23 1</td>
<td>E01007038</td>
</tr>
<tr>
<td>165</td>
<td>North East</td>
<td>PR3 2</td>
<td>E01025282</td>
</tr>
<tr>
<td>166</td>
<td>North East</td>
<td>FY8 4</td>
<td>E01024992</td>
</tr>
<tr>
<td>167</td>
<td>North East</td>
<td>WA6 7</td>
<td>E01018686</td>
</tr>
<tr>
<td>168</td>
<td>North West</td>
<td>CW9 6</td>
<td>E01018705</td>
</tr>
<tr>
<td>169</td>
<td>North West</td>
<td>WA11 7</td>
<td>E01006850</td>
</tr>
<tr>
<td>170</td>
<td>North West</td>
<td>WA11 7</td>
<td>E01006852</td>
</tr>
<tr>
<td>Point</td>
<td>GOR</td>
<td>Sector 14</td>
<td>SOA Code</td>
</tr>
<tr>
<td>-------</td>
<td>-----------</td>
<td>-----------</td>
<td>----------</td>
</tr>
<tr>
<td>167</td>
<td>North West</td>
<td>WA14 2</td>
<td>E01006140</td>
</tr>
<tr>
<td>168</td>
<td>North West</td>
<td>CH65 0</td>
<td>E01018520</td>
</tr>
<tr>
<td>169</td>
<td>North West</td>
<td>PR9 7</td>
<td>E01006949</td>
</tr>
<tr>
<td>169</td>
<td>North West</td>
<td>PR9 7</td>
<td>E01007034</td>
</tr>
<tr>
<td>170</td>
<td>North West</td>
<td>CH66 1</td>
<td>E01018549</td>
</tr>
<tr>
<td>171</td>
<td>North West</td>
<td>SK10 3</td>
<td>E01018646</td>
</tr>
<tr>
<td>172</td>
<td>North West</td>
<td>WN2 4</td>
<td>E01006279</td>
</tr>
<tr>
<td>173</td>
<td>North West</td>
<td>OL7 9</td>
<td>E01005955</td>
</tr>
<tr>
<td>174</td>
<td>North West</td>
<td>BL5 3</td>
<td>E01004901</td>
</tr>
<tr>
<td>175</td>
<td>North West</td>
<td>M22 0</td>
<td>E01005293</td>
</tr>
<tr>
<td>176</td>
<td>North West</td>
<td>OL4 3</td>
<td>E01005387</td>
</tr>
<tr>
<td>176</td>
<td>North West</td>
<td>OL4 3</td>
<td>E01005388</td>
</tr>
<tr>
<td>177</td>
<td>North West</td>
<td>OL1 2</td>
<td>E01005337</td>
</tr>
<tr>
<td>177</td>
<td>North West</td>
<td>OL1 2</td>
<td>E01005340</td>
</tr>
<tr>
<td>178</td>
<td>North West</td>
<td>WA15 8</td>
<td>E01006088</td>
</tr>
<tr>
<td>179</td>
<td>North West</td>
<td>M1 7</td>
<td>E01005066</td>
</tr>
<tr>
<td>180</td>
<td>North West</td>
<td>PR1 1</td>
<td>E01025244</td>
</tr>
<tr>
<td>181</td>
<td>Northern Ireland</td>
<td>BT81 7</td>
<td>95ZZ07W1</td>
</tr>
<tr>
<td>182</td>
<td>Northern Ireland</td>
<td>BT13 3</td>
<td>95GG26S1</td>
</tr>
<tr>
<td>183</td>
<td>Northern Ireland</td>
<td>BT49 0</td>
<td>95RR12W1</td>
</tr>
<tr>
<td>184</td>
<td>Northern Ireland</td>
<td>BT13 1</td>
<td>95GG19S2</td>
</tr>
<tr>
<td>185</td>
<td>Scotland</td>
<td>PH1 3</td>
<td>S01005112</td>
</tr>
<tr>
<td>186</td>
<td>Scotland</td>
<td>DG12 5</td>
<td>S01009078</td>
</tr>
<tr>
<td>186</td>
<td>Scotland</td>
<td>DG12 5</td>
<td>S01009069</td>
</tr>
<tr>
<td>187</td>
<td>Scotland</td>
<td>EH17 8</td>
<td>S01004228</td>
</tr>
<tr>
<td>188</td>
<td>Scotland</td>
<td>FK3 9</td>
<td>S01002510</td>
</tr>
<tr>
<td>188</td>
<td>Scotland</td>
<td>FK3 9</td>
<td>S01002473</td>
</tr>
<tr>
<td>189</td>
<td>Scotland</td>
<td>KA1 3</td>
<td>S01001348</td>
</tr>
<tr>
<td>189</td>
<td>Scotland</td>
<td>KA1 3</td>
<td>S01001357</td>
</tr>
<tr>
<td>190</td>
<td>Scotland</td>
<td>EH7 6</td>
<td>S01002228</td>
</tr>
<tr>
<td>191</td>
<td>Scotland</td>
<td>PH1 1</td>
<td>S01005046</td>
</tr>
<tr>
<td>192</td>
<td>Scotland</td>
<td>PA2 0</td>
<td>S01005180</td>
</tr>
<tr>
<td>193</td>
<td>Scotland</td>
<td>KA7 3</td>
<td>S01005575</td>
</tr>
<tr>
<td>194</td>
<td>Scotland</td>
<td>PH2 6</td>
<td>S01005089</td>
</tr>
<tr>
<td>195</td>
<td>Scotland</td>
<td>G69 0</td>
<td>S01004858</td>
</tr>
<tr>
<td>196</td>
<td>Scotland</td>
<td>KY1 2</td>
<td>S01002765</td>
</tr>
<tr>
<td>196</td>
<td>Scotland</td>
<td>KY1 2</td>
<td>S01002766</td>
</tr>
<tr>
<td>197</td>
<td>Scotland</td>
<td>G81 2</td>
<td>S01006197</td>
</tr>
<tr>
<td>198</td>
<td>Scotland</td>
<td>EH11 3</td>
<td>S01001971</td>
</tr>
<tr>
<td>199</td>
<td>Scotland</td>
<td>DD2 2</td>
<td>S01001140</td>
</tr>
<tr>
<td>199</td>
<td>Scotland</td>
<td>DD2 2</td>
<td>S01001132</td>
</tr>
<tr>
<td>200</td>
<td>Scotland</td>
<td>PA14 5</td>
<td>S01004026</td>
</tr>
<tr>
<td>201</td>
<td>South East</td>
<td>SO51 0</td>
<td>E01023177</td>
</tr>
<tr>
<td>202</td>
<td>South East</td>
<td>RG7 5</td>
<td>E01016264</td>
</tr>
<tr>
<td>203</td>
<td>South East</td>
<td>SO32 1</td>
<td>E01023222</td>
</tr>
<tr>
<td>Point</td>
<td>GOR</td>
<td>Sector</td>
<td>SOA Code</td>
</tr>
<tr>
<td>-------</td>
<td>----------</td>
<td>--------</td>
<td>-----------</td>
</tr>
<tr>
<td>204</td>
<td>South East</td>
<td>GU11 2</td>
<td>E01023136</td>
</tr>
<tr>
<td>205</td>
<td>South East</td>
<td>OX4 4</td>
<td>E01028657</td>
</tr>
<tr>
<td>206</td>
<td>South East</td>
<td>TN14 5</td>
<td>E01024454</td>
</tr>
<tr>
<td>207</td>
<td>South East</td>
<td>RG28 7</td>
<td>E01022565</td>
</tr>
<tr>
<td>208</td>
<td>South East</td>
<td>SL4 5</td>
<td>E01016552</td>
</tr>
<tr>
<td>209</td>
<td>South East</td>
<td>SL5 0</td>
<td>E01016608</td>
</tr>
<tr>
<td>210</td>
<td>South East</td>
<td>OX2 6</td>
<td>E01028583</td>
</tr>
<tr>
<td>211</td>
<td>South East</td>
<td>TN24 8</td>
<td>E01024023</td>
</tr>
<tr>
<td>212</td>
<td>South East</td>
<td>MK16 0</td>
<td>E01016791</td>
</tr>
<tr>
<td>213</td>
<td>South East</td>
<td>GU52 6</td>
<td>E01022864</td>
</tr>
<tr>
<td>214</td>
<td>South East</td>
<td>MK14 7</td>
<td>E01016773</td>
</tr>
<tr>
<td>215</td>
<td>South East</td>
<td>PO19 7</td>
<td>E01031482</td>
</tr>
<tr>
<td>216</td>
<td>South East</td>
<td>OX28 1</td>
<td>E01028814</td>
</tr>
<tr>
<td>217</td>
<td>South East</td>
<td>CT10 1</td>
<td>E01024706</td>
</tr>
<tr>
<td>218</td>
<td>South East</td>
<td>SO51 5</td>
<td>E01023207</td>
</tr>
<tr>
<td>218</td>
<td>South East</td>
<td>SO51 5</td>
<td>E01023206</td>
</tr>
<tr>
<td>219</td>
<td>South East</td>
<td>CT6 7</td>
<td>E01024074</td>
</tr>
<tr>
<td>220</td>
<td>South East</td>
<td>SP10 2</td>
<td>E01023219</td>
</tr>
<tr>
<td>221</td>
<td>South East</td>
<td>RH10 7</td>
<td>E01031594</td>
</tr>
<tr>
<td>221</td>
<td>South East</td>
<td>RH10 7</td>
<td>E01031591</td>
</tr>
<tr>
<td>222</td>
<td>South East</td>
<td>HP19 8</td>
<td>E01017706</td>
</tr>
<tr>
<td>223</td>
<td>South East</td>
<td>BN15 9</td>
<td>E01031359</td>
</tr>
<tr>
<td>224</td>
<td>South East</td>
<td>PO3 6</td>
<td>E01017018</td>
</tr>
<tr>
<td>224</td>
<td>South East</td>
<td>PO3 6</td>
<td>E01017019</td>
</tr>
<tr>
<td>225</td>
<td>South East</td>
<td>PO1 2</td>
<td>E01017132</td>
</tr>
<tr>
<td>226</td>
<td>South West</td>
<td>EX5 5</td>
<td>E01020068</td>
</tr>
<tr>
<td>227</td>
<td>South West</td>
<td>BA22 7</td>
<td>E01029165</td>
</tr>
<tr>
<td>227</td>
<td>South West</td>
<td>BA22 7</td>
<td>E01029164</td>
</tr>
<tr>
<td>228</td>
<td>South West</td>
<td>TQ9 6</td>
<td>E01020191</td>
</tr>
<tr>
<td>229</td>
<td>South West</td>
<td>SN10 2</td>
<td>E01031850</td>
</tr>
<tr>
<td>229</td>
<td>South West</td>
<td>SN10 2</td>
<td>E01031875</td>
</tr>
<tr>
<td>230</td>
<td>South West</td>
<td>TQ13 9</td>
<td>E01020203</td>
</tr>
<tr>
<td>230</td>
<td>South West</td>
<td>TQ13 9</td>
<td>E01020206</td>
</tr>
<tr>
<td>231</td>
<td>South West</td>
<td>TQ7 1</td>
<td>E01020169</td>
</tr>
<tr>
<td>231</td>
<td>South West</td>
<td>TQ7 1</td>
<td>E01020168</td>
</tr>
<tr>
<td>232</td>
<td>South West</td>
<td>TR14 0</td>
<td>E01018865</td>
</tr>
<tr>
<td>232</td>
<td>South West</td>
<td>TR14 0</td>
<td>E01018867</td>
</tr>
<tr>
<td>233</td>
<td>South West</td>
<td>EX2 8</td>
<td>E01019968</td>
</tr>
<tr>
<td>234</td>
<td>South West</td>
<td>TQ1 3</td>
<td>E01015240</td>
</tr>
<tr>
<td>234</td>
<td>South West</td>
<td>TQ1 3</td>
<td>E01015243</td>
</tr>
<tr>
<td>235</td>
<td>South West</td>
<td>EX31 2</td>
<td>E01020125</td>
</tr>
<tr>
<td>236</td>
<td>South West</td>
<td>BS34 6</td>
<td>E01014947</td>
</tr>
<tr>
<td>237</td>
<td>South West</td>
<td>BS22 7</td>
<td>E01014826</td>
</tr>
<tr>
<td>238</td>
<td>South West</td>
<td>BS9 1</td>
<td>E01014714</td>
</tr>
<tr>
<td>Point</td>
<td>GOR</td>
<td>Sector</td>
<td>SOA Code</td>
</tr>
<tr>
<td>-------</td>
<td>----------------------</td>
<td>--------</td>
<td>------------</td>
</tr>
<tr>
<td>239</td>
<td>South West</td>
<td>BA2 2</td>
<td>E01014436</td>
</tr>
<tr>
<td>239</td>
<td><strong>South East</strong></td>
<td>BA2 2</td>
<td>E01014437</td>
</tr>
<tr>
<td>240</td>
<td>South West</td>
<td>EX4 4</td>
<td>E01020022</td>
</tr>
<tr>
<td>241</td>
<td>Wales</td>
<td>SA61 2</td>
<td>W01000555</td>
</tr>
<tr>
<td>242</td>
<td>Wales</td>
<td>LL63 5</td>
<td>W01000002</td>
</tr>
<tr>
<td>243</td>
<td>Wales</td>
<td>LL77 7</td>
<td>W01000014</td>
</tr>
<tr>
<td>244</td>
<td>Wales</td>
<td>SA11 3</td>
<td>W01000911</td>
</tr>
<tr>
<td>245</td>
<td>Wales</td>
<td>NP18 3</td>
<td>W01001624</td>
</tr>
<tr>
<td>246</td>
<td>Wales</td>
<td>SA67 7</td>
<td>W01000595</td>
</tr>
<tr>
<td>247</td>
<td>Wales</td>
<td>NP4 0</td>
<td>W01001511</td>
</tr>
<tr>
<td>248</td>
<td>Wales</td>
<td>NP12 1</td>
<td>W01001349</td>
</tr>
<tr>
<td>249</td>
<td>Wales</td>
<td>NP19 9</td>
<td>W01001667</td>
</tr>
<tr>
<td>250</td>
<td>West Midlands</td>
<td>CV7 9</td>
<td>E01031182</td>
</tr>
<tr>
<td>251</td>
<td>West Midlands</td>
<td>CV3 3</td>
<td>E01031154</td>
</tr>
<tr>
<td>251</td>
<td><strong>West Midlands</strong></td>
<td>CV3 3</td>
<td>E01031151</td>
</tr>
<tr>
<td>252</td>
<td>West Midlands</td>
<td>WR3 7</td>
<td>E01032297</td>
</tr>
<tr>
<td>253</td>
<td>West Midlands</td>
<td>ST15 0</td>
<td>E01029745</td>
</tr>
<tr>
<td>254</td>
<td>West Midlands</td>
<td>B60 2</td>
<td>E01032130</td>
</tr>
<tr>
<td>255</td>
<td>West Midlands</td>
<td>ST3 5</td>
<td>E01014362</td>
</tr>
<tr>
<td>256</td>
<td>West Midlands</td>
<td>WS2 7</td>
<td>E01010378</td>
</tr>
<tr>
<td>257</td>
<td>West Midlands</td>
<td>ST5 9</td>
<td>E01029554</td>
</tr>
<tr>
<td>258</td>
<td>West Midlands</td>
<td>WS13 7</td>
<td>E01029501</td>
</tr>
<tr>
<td>259</td>
<td>West Midlands</td>
<td>B14 4</td>
<td>E01008940</td>
</tr>
<tr>
<td>259</td>
<td><strong>West Midlands</strong></td>
<td>B14 4</td>
<td>E01008941</td>
</tr>
<tr>
<td>260</td>
<td>West Midlands</td>
<td>WR11 2</td>
<td>E01032384</td>
</tr>
<tr>
<td>260</td>
<td><strong>West Midlands</strong></td>
<td>WR11 2</td>
<td>E01032397</td>
</tr>
<tr>
<td>261</td>
<td>West Midlands</td>
<td>WV3 7</td>
<td>E01010487</td>
</tr>
<tr>
<td>262</td>
<td>West Midlands</td>
<td>B77 3</td>
<td>E01029822</td>
</tr>
<tr>
<td>263</td>
<td>West Midlands</td>
<td>WV13 3</td>
<td>E01010425</td>
</tr>
<tr>
<td>263</td>
<td><strong>West Midlands</strong></td>
<td>WV13 3</td>
<td>E01010423</td>
</tr>
<tr>
<td>264</td>
<td>West Midlands</td>
<td>B6 5</td>
<td>E01008904</td>
</tr>
<tr>
<td>264</td>
<td><strong>West Midlands</strong></td>
<td>B6 5</td>
<td>E01009063</td>
</tr>
<tr>
<td>265</td>
<td>West Midlands</td>
<td>WS1 2</td>
<td>E01010327</td>
</tr>
<tr>
<td>266</td>
<td>Yorkshire and The Humber</td>
<td>DN7 5</td>
<td>E01007625</td>
</tr>
<tr>
<td>267</td>
<td>Yorkshire and The Humber</td>
<td>S26 1</td>
<td>E01007748</td>
</tr>
<tr>
<td>268</td>
<td>Yorkshire and The Humber</td>
<td>WF1 5</td>
<td>E01011774</td>
</tr>
<tr>
<td>269</td>
<td>Yorkshire and The Humber</td>
<td>LS21 3</td>
<td>E01010771</td>
</tr>
<tr>
<td>270</td>
<td>Yorkshire and The Humber</td>
<td>S75 5</td>
<td>E01007358</td>
</tr>
<tr>
<td>271</td>
<td>Yorkshire and The Humber</td>
<td>S71 4</td>
<td>E01007438</td>
</tr>
<tr>
<td>272</td>
<td>Yorkshire and The Humber</td>
<td>HU8 7</td>
<td>E01012806</td>
</tr>
<tr>
<td>273</td>
<td>Yorkshire and The Humber</td>
<td>BD1 4</td>
<td>E01010830</td>
</tr>
<tr>
<td>274</td>
<td>Yorkshire and The Humber</td>
<td>S17 3</td>
<td>E01007918</td>
</tr>
<tr>
<td>275</td>
<td>Yorkshire and The Humber</td>
<td>WF6 1</td>
<td>E01011816</td>
</tr>
<tr>
<td>276</td>
<td>Yorkshire and The Humber</td>
<td>BD14 6</td>
<td>E01010637</td>
</tr>
<tr>
<td>277</td>
<td>Yorkshire and The Humber</td>
<td>LS8 3</td>
<td>E01011431</td>
</tr>
<tr>
<td>Point</td>
<td>GOR</td>
<td>Sector 14</td>
<td>SOA Code</td>
</tr>
<tr>
<td>-------</td>
<td>----------------------</td>
<td>-----------</td>
<td>-----------</td>
</tr>
<tr>
<td>278</td>
<td>Yorkshire and The Humber</td>
<td>HU13 0</td>
<td>E01013007</td>
</tr>
<tr>
<td>279</td>
<td>Yorkshire and The Humber</td>
<td>S8 0</td>
<td>E01007983</td>
</tr>
<tr>
<td>280</td>
<td>Yorkshire and The Humber</td>
<td>LS6 3</td>
<td>E01011438</td>
</tr>
</tbody>
</table>

Table V1.A2.1 - Postcode Sectors and Output Areas for each Sampling Point
Appendix V1.A3 Interview Contact Sheet

NNA Survey 3
Address Contact Sheet

<table>
<thead>
<tr>
<th>Reference number:</th>
<th>Point number:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Issue</td>
<td>Interviewer Name:</td>
</tr>
<tr>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**WEEKDAY CONTACT CODES:** MON = 1 • TUES = 2 • WED = 3 • THURS = 4 • FRI = 5 • SAT = 6 • SUN = 7

**CONTACT RECORD**

<table>
<thead>
<tr>
<th>WXDAY (1-7)</th>
<th>HOUR (24 HR)</th>
<th>MINUTES</th>
<th>DATE (01-31)</th>
<th>MONTH (01-12)</th>
<th>COMMENTS – record outcome of each call</th>
<th>Eprogress updated</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL NUMBER OF 1ST ISSUE CALLS (WRITE IN):** [ ]

**TOTAL NUMBER OF RE-ISSUE CALLS (WRITE IN):** [ ]

ALL ADDRESSES MUST BE CALLED 6 OR MORE TIMES - OR UNTIL A FINAL OUTCOME IS OBTAINED - (AT LEAST THREE EVENING OR WEEKEND CALLS WITH AT LEAST 3 WEEKS BETWEEN THE FIRST AND LAST CALL FOR ALL NON CONTACTS)

**A. DWELLING SELECTION**

Q1. Does the precise address on the contact sheet consist of just one house, or flat?  
   (IF NOW PART OF A LARGER PROPERTY CONSIDER THAT LARGER PROPERTY)

   - Yes [ ]  GO TO INTRODUCTION (SECTION B)
   - No - more than one house or flat [ ]  GO TO Q2

Q2. Write in total number of houses/flats, then select one at random using the Kish selection on page 2, and write in selected number:

   - Total number of houses/flats
   - Number selected from Kish

Q3. Tick property type:

   - Purpose built flat / maisonette
   - Conversion flat/maisonette
   - Semi-detached / end terrace house
   - Centre terraced house
   - Detached house
   - Bungalow
   - Other

   Code which floor the dwelling is on
   (1 for basement, 0 for ground floor) [ ]

1
B. INTRODUCTION

Good morning/afternoon/evening. My name is ... from GfK NOP, the independent market research company and I am carrying out a survey on behalf of the Department for Environment, Food and Rural Affairs (Defra), looking at local environmental issues.

SHOW COPY OF LETTER & LEAFLET. You may remember receiving a letter from us informing you that I would be calling.
Before I can carry out the survey I would like just a few minutes of your time to ask you a few questions about yourself and the people who live here with you. I would like to assure you that all the information we collect will be kept in the strictest confidence by GfK NOP and used for research purposes only. It will not be possible to identify any particular person, household, or address in the results.

C. HOUSEHOLD SELECTION

ASK ALL

Q4. Can I just check, how many households live here? By household I mean a person, or group of people who normally live here, who share a living or sitting room, or share at least one meal a day.

- One household only □ GO TO Q6
- Two or more households □ ASK Q5
- Refused to do screen □ THANK AND CLOSE

Q5. Ask respondent for details of households – list houses/flats or households alphabetically below. Then write in total number of households, select one at random using the Kish selection below and write in selected number:

| Total number of households | Number selected from Kish Grid |

<table>
<thead>
<tr>
<th>List houses/flats, households (HHs) and individuals alphabetically</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dwellings:HHs People</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>KISH SELECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q2/5/7: NUMBER OF HOUSES OR FLATS/HOUSEHOLDS/ELIGIBLE INDIVIDUALS: SELECTION NUMBER:</td>
</tr>
</tbody>
</table>

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

KISH SELECTION INSTRUCTIONS:

Read along the top row of numbers to the number of houses/flats households or individuals that you are selecting from, the number immediately below it is the one to select.

For example, if there are flats A, B and C at the address, read along the top line of digits to the number 3; if it was a number 2 printed below that then you would conduct the screening at Flat B (the second of A, B and C).

The same procedure is used for each of Q2, Q5 and Q7. Selection numbers are unique to each contact sheet to ensure a random selection is carried out.

NOTES

If more than 9 houses/flats (for Q2) or households (for Q5), or more than 6 people (for Q7) call area manager for instructions.

Continue with screening procedure at next question after selection

If situation complex, or you are unsure of how to count houses/flats or households, contact area manager for guidance.

Once a selection has been made no substitutions are allowed.
**D. RESPONDENT SELECTION**

**ASK THE FOLLOWING QUESTION OF A RESPONSIBLE ADULT IN THE HOUSEHOLD (PREFERABLY A HOUSEHOLDER)**

Q6. In order to see who is eligible to take part in the survey can I first check how many people in the household are aged 16 or more?

**INCLUDE:**
- People who normally live at the address but are away for less than 6 months
- People away at work for whom this is the main address
- Boarders and lodgers

**EXCLUDE:**
- People who live elsewhere to work and is not their main address
- Spouses who are separated and no longer resident
- People away for 6 months or more

---

<table>
<thead>
<tr>
<th>One person only</th>
<th>☐</th>
<th>GO TO Q8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two or more individuals</td>
<td>☐</td>
<td>ASK Q7</td>
</tr>
</tbody>
</table>

Q7. Ask respondent for details of individuals – list them by name or initial alphabetically on page 2. Then write in the total number of people, select one at random using the Kish selection on page 2 and write in selected number.

- Total number of individuals
- Number selected from Kish Grid

Q8. PLEASE ENTER IN THE FULL NAME OF THE RESPONDENT TO BE INTERVIEWED BELOW:

---

A3-3
<table>
<thead>
<tr>
<th>FINAL OUTCOME</th>
<th>1st issue</th>
<th>Re-issue</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADDRESS INELIGIBLE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Property vacant</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Property demolished/dilapid</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Property not yet built</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Non-residential property</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Institution – no private households</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Not found – no trace of address</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>NO RESPONDENT SELECTED</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refused before respondent selection</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>[PLEASE FILL IN REFUSAL INFORMATION]</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Unsure if occupied, no contact after 6+ calls</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Occupied, no contact at address after 6+ calls</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Entry to block/scheme refused by warden etc</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>RESPONDENT SELECTED</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Successful interview with selected respondent</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>No contact with selected respondent after 6+ calls</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Some contact with selected respondent but no interview after 6+ calls</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>[PLEASE FILL IN REFUSAL INFORMATION]</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Selected respondent refused</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Someone else refused on behalf of selected respondent</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>[PLEASE FILL IN REFUSAL INFORMATION]</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Selected respondent profoundly deaf</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Selected respondent too ill/fear to participate (excluding deafness)</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>WRITE IN DESCRIPTION:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Selected respondent away during fieldwork</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>WRITE IN DATE BACK:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Selected respondent does not speak English and no-one else in the household can translate</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>OTHER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other WRITE IN DETAILS:</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Head office refusal</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>REASON FOR REFUSAL INFORMATION</th>
<th>1st issue</th>
<th>Re-issue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doesn't believe in survey</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Anti-government</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Invasion of privacy</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Concerns about confidentiality</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Can't be bothered</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Disliked subject</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Genuinely too busy</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Temporarily too busy</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Bad experience with previous surveys</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Personal problems</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>About to go away</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>ENTER RETURN DATE</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Interviewed recently on another survey</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Other WRITE IN</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>

IF CODES 7, 16, 17, 18 PLEASE WRITE IN WHAT RESPONDENT/ HOUSEHOLDER SAID ABOUT WHY THEY DID NOT WANT TO TAKE PART

Head office refusal
Appendix V1.A4 Development of the Questionnaire

V1.A4.1 Introduction

This appendix records how the questionnaire used for the National Noise Attitude Survey in 1999/2000 (NNAS2000) was modified to create the questionnaire for NNAS2012. The final questionnaire can be seen in Appendix V1.A5. The interview show cards and sort cards are shown in Appendix V1.A6. The questionnaire should be interpreted in the context of the interviewer instructions (Appendix V1.A7) and briefing slides (Appendix V1.A8).

V1.A4.2 Revision of the NNAS2000 Questionnaire for NNAS2012

The starting point for revision of the questionnaire was that backward compatibility should be maintained as far as possible, but there was also interest in extending the scope of the questionnaire in several ways. The average duration of interviews in NNAS2000 was 45 minutes although this varied significantly, depending on the number of optional modules used and the details of question routing. Feedback at the time was that the questionnaire took a fairly long time. Along with the competing pressures of a fixed budget meaning the shorter the questionnaire, the greater the potential sample size, there was a real desire to make the questionnaire as short as possible.

In the absence of any specific research, it was assumed that any change in the questionnaire would affect responses if it involved a change in a question, routing to the question or any subsequent questions. For example, a respondent’s understanding of noise from road traffic is likely to differ significantly before and after being presented with a detailed list of some of the many possible noise sources from road traffic. In order to meet the other requirements for the survey, it was accepted that confidence in backward compatibility could be made high for some questions, but other questions would be only broadly comparable (i.e. quantitative trends should not be calculated or inferred), whereas some questions would not be comparable at all due to changes in survey design.

In simplifying or omitting questions, it was asked whether the question was needed at all, whether a modified question would deliver the required data (even if not backwardly

---

15 There was no scope for compatibility testing before, or as part of, the survey.
compatible) and what the effect would be on subsequent questions. Socially, the world has evolved since the design of NNAS2000. Some of the previously identified noise sources, such as milk floats, were not felt to be as common today as then. Alternative sources of noise had become more prevalent, and for at least some people contentious, such as mobile phones and wind farms. Reflecting such evolution in the questions would explicitly change the questionnaire. Ignoring it would also implicitly change the questionnaire because respondents could be thinking about sources that are now either irrelevant or obviously missed out. The questionnaire was therefore updated with key new noise examples on the show cards, while keeping the basic question the same.

To reduce the risk of false deductions being made, there were also considerations of whether any changes in the questionnaire were likely to give an (invalid) impression of noise problems either increasing or decreasing between NNAS2000 and NNAS2012.

It was also noted that savings in interviewing resources would come from general simplification of the interview and/or significant shortening of interviews, rather than by cutting a few questions: the latter could therefore have had a disproportionate impact on data compatibility and/or quality.

The approach to the questionnaire revision therefore had three main elements:

• to make an absolute minimum of changes to the first part of the main questionnaire, so that backward compatibility was as precise as possible at the level of overall response to noise and the main sources of noise, together with the position of noise in overall likes and dislikes about the home and neighbourhood;
• to simplify the modules asking about noise from road traffic, neighbours, aircraft, railways and other sources of noise so that they are shorter, but still cover the same general ground on more detailed aspects of response to noise, such that the questions:
  - provide responses that are broadly comparable to NNAS2000; and
  - set a context (particularly the breadth of noise sources, types and impacts) for subsequent questions that did not differ substantially from NNAS2000.

The main purpose of this was to allow some additional questions to be introduced without making the interview overall any longer (and preferably shorter); and

• where new material was introduced, to do this in the second section of the main questionnaire, even if that meant partial repetition of questions to expand on questions that have been asked earlier. This should effectively eliminate any impact on backward compatibility of the earlier parts of the questionnaire, and minimise the impact if an interview was terminated early.
V1.A4.3 Comparison of the NNAS2012 Questionnaire to the NNAS2000 Questionnaire

It is important to be clear about how backward compatibility should be used. With the 2000 and 2012 surveys, there exists data for only two points in time\(^{16}\), so it is not known whether we are seeing a consistent trend over the past 12 years or whether there is a non-linear monotonic trend, or peaks and troughs (e.g. depending on the state of the economy or recent events). It is also not known whether any change over time (or lack of change) reflects a change in perception or a change in exposure. A rolling annual survey would work better in this regard, but again it depends on what the comparison over time is for: the strategy should follow from the purpose.

An alternative to comparison of results from two surveys would have been to ask the respondents directly whether noise is now affecting them more or less than at some point in the past. There are caveats around interpreting such questions but they provide a direct measure of what people think the world is like and this is itself important. The questionnaire does this to an extent, but the comparison is only with five years ago (in NNAS2000, the comparison was made only if the respondent was still in the same home, but NASS2012 extended this to all respondents).

NNAS2000 used a paper questionnaire but, as with virtually all Government surveys now, NNAS2012 was administered using Computer Assisted Personal Interviewing (CAPI). The questionnaire was written in the IBM Dimensions software. This allowed the relatively complex routing and filtering to be managed more easily (from the interviewer’s perspective), and allowed for real-time error-checking and direct data entry. With one exception to allow for randomisation in the presentation of response options (RTN3 and the equivalent question in the other noise type modules, e.g. NN3, AN3, RN3 and OSN3) physical show cards (rather than options displayed on screen) were retained for NNAS2012. Appendix V1.A4.3 summarises the structure of the NNAS2012 questionnaire.

For those readers wishing to carry out a direct comparison of the NNAS2012 questionnaire to that from NNAS2000, a full copy of the NNAS2000 questionnaire and associated show and sort cards has been previously published \(\text{here}^{17}\). It should be reiterated that it has been assumed that any change in the questionnaire may affect responses whether it involves a change in a question, routing to the question or any subsequent questions. The comparability between the two questionnaires is summarised in Table V1.A4.1 below and more details on the contents of each section and the overall structure of the questionnaire can be found in the next section (V1.A4.4):

\(^{16}\) NNAS2000 used a substantially different questionnaire.

<table>
<thead>
<tr>
<th>Section</th>
<th>Question Range</th>
<th>Comparable?</th>
<th>Changes</th>
<th>Relative Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>All</td>
<td>Yes</td>
<td>‘Factories or works’ section renamed ‘Industrial Sites’</td>
<td>Minimal</td>
</tr>
<tr>
<td>RTN</td>
<td>All</td>
<td>Yes</td>
<td>Noise type removed: ‘Milk Float’</td>
<td>Minimal</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Noise type added: ‘Vehicle horns’</td>
<td>Minimal</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>RTN9b new question, only asked to those resident in their home for less than 5 years</td>
<td>Minimal</td>
</tr>
<tr>
<td>NN</td>
<td>NN1 – NN7</td>
<td>Yes</td>
<td>O8a-O10 would previously have been part of RTN module, so change to amount of questioning on RTN before moving on to NN</td>
<td>Minimal</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Noise type change: ‘Other animals’ restricted to ‘Other domestic animals / pets’</td>
<td>Minimal</td>
</tr>
<tr>
<td></td>
<td>NN8a</td>
<td>No</td>
<td>Slight rewording of question</td>
<td>Large</td>
</tr>
<tr>
<td></td>
<td>NN8b – NN11</td>
<td>No</td>
<td>Due to rewording of previous question</td>
<td>Some</td>
</tr>
<tr>
<td>RN</td>
<td>All</td>
<td>Yes</td>
<td>O8a-O10 would previously have been part of RTN and NN modules, so change to amount of questioning on RTN and NN before moving on to RN</td>
<td>Minimal</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>‘Express / Intercity passenger trains’ noise type expanded to include ‘international (Eurostar)’</td>
<td>Minimal</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Noise types added: ‘Railway / track maintenance’, ‘Train horns’ and ‘Rail squeal’</td>
<td>Minimal</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>RN9b new question, only asked to those resident in their home for less than 5 years</td>
<td>Minimal</td>
</tr>
<tr>
<td>AN</td>
<td>All</td>
<td>Yes</td>
<td>O8a-O10 would previously have been part of RTN, NN and RN modules, so change to amount of questioning on RTN, NN and RN before moving on to AN</td>
<td>Minimal</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>AN9b new question, only asked to those resident in their home for less than 5 years</td>
<td>Minimal</td>
</tr>
<tr>
<td>OSN</td>
<td>OSN1-OSN2</td>
<td>Yes</td>
<td>O8a-O10 would previously have been part of RTN, NN, RN and AN modules, so change to amount of questioning on RTN, NN, RN and AN before moving on to OSN</td>
<td>Minimal</td>
</tr>
<tr>
<td></td>
<td>OSN3-OSN4</td>
<td>No</td>
<td>Questions presented the other way around previously, i.e. OSN4 then OSN3</td>
<td>Some</td>
</tr>
</tbody>
</table>
Table V1.A4.1 – Summary of comparison between NNAS2012 and NNAS2000 questionnaires

<table>
<thead>
<tr>
<th>Section</th>
<th>Question Range</th>
<th>Comparable?</th>
<th>Changes</th>
<th>Relative Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>O</td>
<td>OSN5a-</td>
<td>Yes</td>
<td>OSN9b new question, only asked to those resident in their home for less than 5 years</td>
<td>Minimal</td>
</tr>
<tr>
<td></td>
<td>O1</td>
<td>No</td>
<td>Previously asked after O8a – O10</td>
<td>Large</td>
</tr>
<tr>
<td></td>
<td>O2-O5</td>
<td>No</td>
<td>New questions on sleep behaviour</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>O6-O7</td>
<td>No</td>
<td>New questions on window opening behaviour</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>O8a-O10</td>
<td>No</td>
<td>New position outside of (RTN, NN, etc) modules</td>
<td>Large</td>
</tr>
<tr>
<td></td>
<td>O11</td>
<td>No</td>
<td>New question</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>O12-O13a</td>
<td></td>
<td>New position and revised list of issues</td>
<td>Large</td>
</tr>
<tr>
<td></td>
<td>O17-O20</td>
<td>No</td>
<td>New section on quiet areas</td>
<td>N/A</td>
</tr>
<tr>
<td>H</td>
<td>All</td>
<td>Yes</td>
<td>No comparison necessary as no impact</td>
<td>N/A</td>
</tr>
<tr>
<td>I</td>
<td>All</td>
<td>Yes</td>
<td>No comparison necessary as no impact</td>
<td>N/A</td>
</tr>
</tbody>
</table>

V1.A4.4 Structure of the NNAS2012 Questionnaire

This section summarises the structure of the NNAS2012 questionnaire. The final questionnaire contained 9 discrete parts (A, RTN, NN, AN, RN, OSN, O, H and I). Each part is listed below with an overview of the section content.

Section A - Introduction

This section introduced the topic slowly, starting with questions on the area and neighbourhood, before any questions were asked specifically about noise. These questions included an overall rating, open questions about likes and dislikes, and a ranking of noise among other environmental problems.

These were followed by more specific questions about noise including overall rating, rating of sensitivity and ratings and of how much the respondent was bothered, annoyed or disturbed by each of these 15 types of noise source and a ranking of the same list:

- Aircraft, airports or airfields
- Trains or railway stations
- Road traffic
- Sea, river or canal traffic
- Building, construction, demolition, renovation or road works
- Neighbours (inside their homes)
- Neighbours (outside their homes)
- Other people nearby
- Sports
- Other entertainment or leisure
- Industrial sites
- Other commercial premises
- Forestry, farming or agriculture
- Community buildings
- Any other noise.
Further “modules” of questions were subsequently asked about noise from road traffic, neighbours (inside or outside their homes and other people nearby) and up to three further noise sources, according to the respondent’s ranking of the sources.

**Module RTN – Road Traffic Noise**

This section first sought ratings of whether the respondent was bothered, annoyed or disturbed by different types of road, vehicle and noise type\(^{18}\). The rest of the RTN module was only delivered if the respondent expressed any degree of being bothered, annoyed or disturbed by any road traffic noise, either here or in Section A.

The following issues were then explored:

- how road traffic noise made the respondent feel\(^{13}\);
- the activities the noise interferes with\(^{13}\);
- whether road traffic noise bothers, annoys or disturbs at different times of day (on weekdays and at weekends);
- how much road traffic noise bothers, annoys or disturbs:
  - while it is going on; and
  - in contrast, how much road traffic noise spoils home life, in general, not just when the noise is going on;
- whether the road traffic noise was better or worse than five years earlier (in the same home or a different home, depending on how long the respondent had been at the current address); and
- how much the respondent was bothered, annoyed or disturbed by vibration from road traffic

**Module NN – Neighbour Noise**

The NN module followed a similar format and routing to the RTN module.

In addition, the relative impact of neighbour noise, depending on whether the neighbours are indoors or outdoors and whether the respondent is indoors or outdoors was explored, along with whether neighbour noise is attributed to neighbours making an unreasonable amount of noise and/or not having good sound insulation.

**Module RN – Railway Noise**

Again, the RN module followed a similar format and routing to the RTN module.

---

\(^{18}\) For a full list of the options presented, please see the questionnaire in Appendix V1.A5.
Module AN – Aircraft Noise

Similarly, the AN module followed a similar format and routing to the RTN module, whilst also clarifying whether any aircraft fly very low.

Module OSN – Other Sources of Noises

This module covered the following general noise sources \(^{14}\) from those listed above for which there is not a dedicated module and again followed a similar format and routing to the RTN module. This group of noise sources is often collectively known as “neighbourhood noise sources”, but in the questionnaire design is referred to as “other sources of noise”.

In addition, it was asked whether the noise is mainly from the source itself, or because of people coming and going from the source.

Section O – Other Questions

This section was asked to all respondents.

The first question in this section sought a rating of the extent to which noise overall spoils the respondent’s home life. This was a widely reported statistic from the NNAS2000 and therefore required careful consideration.

In NNAS2000, the question was asked after the noise type modules so that respondents would have been reminded of all the types of noise and possible effects before being asked. It was therefore decided to place the question in the same location again in 2012. However, this meant that responses may be influenced by any changes in the design of the noise type modules and therefore the two sets of results (from 2000 and 2012) would not be comparable.

In 2000, all respondents rated this question using a five-point scale with the following options: ‘Totally’ / ‘Quite a lot’ / ‘A little’ / ‘Not very much’ / ‘Not at all’. As the responses would not be comparable (due to the reasons described in the previous paragraph), it was decided to test different ways of asking the question. This was because during the development of the NNAS2012 questionnaire, there was some discussion over whether the original response scale was evenly weighted.

Therefore, it was decided that in the 2012 design the identical question would be asked, but the same five-point response scale would deliberately only be offered to 50% of respondents (Question O1b). The other half would be presented with a different and new response scale consisting of: ‘Completely’ / ‘A great deal’ / ‘A fair amount’ / ‘A little’ / ‘Not at all’ (Question O1a).
It would still be possible to estimate the prevalence in the population of those reporting that noise spoils their home life, by combining those responding ‘not at all’ on either version versus those responding ‘completely, a great deal, a fair amount, or a little/totally, quite a lot, a little, not very much’. This would mimic that widely reported statistic from NNAS2000 of the proportion of the population reporting that noise spoils their home life ‘to some extent’.

The questionnaire then covered a range of other behavioural issues including:

- whether the respondent has been kept awake, or woken up, or changed the time of going to bed or getting up, because of noise or for other reasons; the particular noise sources that were responsible; how often it happens; and what the respondent has done to try to avoid sleep being disturbed by noise from outside or from neighbouring homes;
- whether windows have been kept closed anywhere in the home, because of noise or other reasons, and whether there are ever times when the respondent would rather have had the windows open for particular reasons, but had to have them closed to keep out noise; and
- what actions (if any) the respondent or the household had taken to do something about an issue to do with noise – what the noise was, what the action was (e.g. complained to someone, took legal advice, joined a campaign, etc.)\(^{19}\), and how effective it was.

Questioning then broadened into asking people about a selection of non-noise issues in their local environment, whether the respondent had tried to do anything about any of these issues and if the respondent had tried to do something about any of those problems that are statutory nuisances - what action had been taken and how effective it had been.

A final set of questions in this section explored habits and attitudes concerning visiting outdoor places in order to find somewhere peaceful or quiet.

**Section H – Household Information**

This section considered factual information about the respondent and their household including double glazing, age and tenure of home, the respondent’s age group and gender, their household composition, working status and whether s/he works from home or works night shifts and the respondent’s occupational details, to code socioeconomic group.

\(^{19}\) For a full list of the options presented, please see the questionnaire in Appendix V1.A5.
Section I – Interviewer Assessment

After leaving the household, the interviewer then completed this final section covering whether the respondent was hard of hearing, what kinds of noise could be heard from inside the home or immediately outside it, what types of road and road features are nearby, the type of area (from the centre of a large city to the countryside and the mix of residential, commercial, industrial and countryside).

CAPI Questionnaire Development

Once the questionnaire had been completed in draft format, the transition to CAPI occurred. The IBM Dimensions software was used to develop the code. Extensive testing was undertaken by GfK NOP (both script writing and research team) and the Defra team.

V1.A4.5 Piloting

The questionnaire was tested in a pilot study, using six interviewers. They were given areas to work in based on locality types that would maximise the number of noise sources likely to be covered in the pilot interviews. These area types were:

- an area near a motorway;
- an area with a lot of non-motorway traffic noise;
- an area with lots of pubs, clubs, take-aways, etc.;
- an area under an airport flight path;
- a rural area with a big chicken or pig farm; and
- a very quiet rural area.

The interviewers attended a personal briefing session run by the GfK NOP research team and attended by Defra on 10 November 2011.

Quota sampling was used for the pilot rather than probability sampling, not least because of the need to complete the pilot in a short period of time. Each interviewer was asked to complete ten interviews, but because the questionnaire was taking longer to administer than anticipated, not all interviewers managed to achieve this and 58 pilot interviews were conducted altogether.

Interviewers reported back to a personal debriefing session on 14 November 2011, which was again attended by Defra. Each interviewer reported first on any significant problems they had encountered in using the questionnaire, and then on any more minor problems where they felt improvements would make the questionnaire work better. Discussions between all parties, led to improvements in the questionnaire design and reductions in the time taken to complete an average interview.

Despite these cuts the final questionnaire still took longer than targeted, with the final questionnaire requiring a median of 48 minutes to administer. The inter-quartile range was
26 minutes and 57% of interviews exceeded the target of 40mins, whilst 22% of interviews exceeded an hour.

While this took longer than desired, feedback from respondents suggested that they had enjoyed taking part and having the opportunity to express their opinions. This is reflected in 77% giving permission for the interviewers to return if at some point in the future Defra carried out a further study on this topic.
Appendix V1.A5 The NNAS2012 Questionnaire

This version of the questionnaire has been formatted to replicate as closely as possible the CAPI version.

V1.A5.1 Key

- Section/Module headings were not shown on screen but are included (with page breaks) in this version for ease of reference.

- [Text in square brackets is instructions to the interviewer. This text was not read out but could have been seen by the respondent, depending on the relative position of the interviewer and respondent, which will have varied between interviews. In the CAPI version, the text was usually presented in red but it is shown in black in this version so that the questionnaire does not need to be printed in colour.] [Instructions not shown in red are indicated by an asterisk.]

- {Text in curly brackets is routing instructions, numeric or letter codes, or other messages to the CAPI programmer. This text was not visible on screen (except where CAPI inserted text from a previous question, which is indicated by {{double}} curly brackets.)

- Footnotes are explanatory notes that were not part of the CAPI version (footnotes were not used at all in the CAPI version). In some cases, the text on screen was an abbreviated version of what was on a show card, to allow more items to be fitted on the screen. In such cases, the footnote gives the full text from the show card, preceded by “Show card: ”.

- Question numbers were not in bold on the screen but are shown in bold here so that they are easy to pick out. Question numbers were variously shown with full stop, hyphen or no punctuation; this is replicated in this version. Question numbers were sometimes omitted; this is indicated by the question number being shown in (brackets). Variation in upper vs. lower case in question numbers is as in the CAPI version.

- Other bold text is as used on screen. Some responses were shown in bold on screen - it is not certain why this was but it generally indicates responses that were not actively offered to the respondent.
- The question text and other text read out to the respondent was not in italics but it is shown in italics in this version to distinguish it clearly from other text.

- Underlining and UPPER CASE, used for emphasis, are as shown on screen.

- Single code responses were indicated in the CAPI version by “radio buttons” (small circles) and the screen advanced automatically when one was checked (unless there was more than one item on the screen). An option needed to be checked in each case in order to proceed to the next question. An explicit single code instruction is included only if it was present in the CAPI version.

- Multi-code responses were indicated in the CAPI version by small squares. At least one option needed to be checked in each case in order to proceed to the next question.

- In order to proceed to the next question, text or numbers had to be inserted in (or omitted from) text boxes, following the logic of the related questions and checked responses.

- In most cases, each question was presented on a separate screen. The exception is where questions are shown in table form.

- The layout of the show cards is not entirely captured in this version of the questionnaire and the show cards themselves – see Appendix V1.A6 – should be viewed alongside the questionnaire. In the event of a difference between what was shown on screen and what was on a show card, the show card is definitive because this is what the respondent saw.

- Show cards did not include “Don’t know” codes (abbreviated to “DK” on screen in some cases). Other responses omitted from show cards are indicated individually in footnotes. CAPI did not allow “Don’t know” (or DK) to be combined with other responses.

- There is no Show Card 7 because the responses for RTN3 (and analogous questions) were shown on screen. This was done so that the order of presentation could be randomised between respondents. For each respondent, the items were shown in the same order for each noise type except “Sea, river or canal traffic” (it is not known why there was a different order for one noise type).

- To avoid questions splitting between two pages, it has been necessary to have some blank space.
V1.A5.2 Section A – Introduction

[Interviewer: Please code the version of Showcard 2 you are using (1 to 12 which you will see beneath the job number on the Showcard)]*

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ○ 5
- ○ 6
- ○ 7
- ○ 8
- ○ 9
- ○ 10
- ○ 11
- ○ 12

A1 On the whole, how much do you like living in this area or neighbourhood?

[Show Card 1]

- ○ 1 Definitely like
- ○ 2
- ○ 3
- ○ 4
- ○ 5
- ○ 6
- ○ 7 Definitely don't like
A2. Is there anything you particularly like about this neighbourhood?

[WRITE IN THEN CODE BELOW] 20

{Open text box. “Return” key can be used within the box.}

☐ Any mention of quietness / freedom from noises or sources of noise / peacefulness
☐ Any mention of sounds / noises that are liked
☐ Any other features that are liked
☐ Nothing liked
☐ Don’t know

A3a. Is there anything you particularly dislike about this neighbourhood?

[WRITE IN THEN CODE BELOW] 21

{Open text box. “Return” key can be used within the box.}

☐ Any mention of noise not liked / noise effects / lack of peace & quiet  {1}
☐ Any mention of potential sources of noise not liked  {2}
☐ Any mention of quietness / freedom from noise not liked  {3}
☐ Any other features that are disliked  {4}
☐ Nothing disliked  {5}
☐ Don’t know  {6}

{If Code 2 coded at A3a, ask A3b. Else go to A4.}

20 Only the first three responses were multi-code, i.e. “Nothing disliked” and “Don’t know” could not be combined with each other or with any of the first three codes.
21 Only the first four responses were multi-code, i.e. “Nothing disliked” and “Don’t know” could not be combined with each other or with any of the first four codes.
A3b. You mentioned that you dislike:

{Text from text box at A3a inserted here.}

is that because of noise?

[INTERVIEWER: ONLY READ OUT THE SOURCES OF NOISE]

☐ Yes – only one source mentioned at A3a and that is (wholly or partly) because of noise

☐ Yes – more than one source mentioned and some, but not all, disliked (wholly or partly) because of noise

☐ Yes – more than one source mentioned and all disliked (wholly or partly) because of noise

☐ No to all sources

A4. And your home in particular, what are the things you like about living in this home?

[WRITE IN THEN CODE BELOW]²²

{Open text box. “Return” key can be used within the box.}

☐ Any mention of quietness / freedom from noise or sources of noise / peacefulness

☐ Any mention of sounds / noises that are liked

☐ Any other features that are liked

☐ Nothing liked

☐ Don't know

²² Only the first three responses were multi-code, i.e. “Nothing disliked” and “Don’t know” could not be combined with each other or with any of the first three codes.
A5a Is there anything you **dislike** about living in this particular **home**?

[WRITE IN THEN CODE BELOW]^{23}

{Open text box. “Return” key can be used within the box.}

- Any mention of noise not liked / noise effects / lack of peace & quiet {1}
- Any mention of potential sources of noise not liked {2}
- Any mention of quietness / freedom from noise not liked {3}
- Any other features that are disliked {4}
- **Nothing disliked** {5}
- **Don't know** {6}

{If Code 2 coded at A5a, ask A5b. Else go to A6.}

A5b You mentioned that you **dislike**:

{Text from text box at A5a inserted here.}

**is that because of noise?**

[INTERVIEWER: ONLY READ OUT THE SOURCES OF NOISE]

- Yes – only one source mentioned at A5a and that is (wholly or partly) because of noise
- Yes – more than one source mentioned and some but not all disliked (wholly or partly) because of noise
- Yes – more than one source mentioned and all disliked (wholly or partly) because of noise
- No to all sources

---

^{23} Only the first four responses were multi-code, i.e. “Nothing disliked” and “Don't know” could not be combined with each other or with any of the first four codes.
A6 Please look at this list of environmental problems. Which FIVE would you say you are personally most affected by?

[SHOW CARD 2]24

[CODE UP TO 5 RESPONSES]25

[INTERVIEWER: Do not accept any other environmental problems that the respondent spontaneously offers.]

[Check whether spontaneous offers can be fitted into one of the below, and if so code that option.]

[If not, code ‘Other’ on the next screen]

☐ Chemicals put into the rivers and / or seas26

☐ Sewage on beaches or in the bathing water

☐ Loss of plant life and / or animal life

☐ Quality of drinking water

☐ Use of insecticides and / or fertilisers

☐ Losing green belt land

☐ Litter & rubbish

☐ Traffic exhaust fumes & urban smog

☐ Fouling by dogs

☐ Using up of natural resources

☐ Not enough recycling

☐ Noise

☐ None of these27
A6a [Interviewer Were there any other spontaneous environmental problems mentioned?]

☐ Yes
☐ No

{If yes at A6a, Ask:}

What were the problems?

{Open text box. “Return” key can be used within the box.}

A7 In general, how do you feel about the amount of noise around here?

[INTERVIEWER: IF RESPONDENT SAYS THERE IS NO NOISE AROUND HERE, ASK HOW THEY FEEL ABOUT THAT.]

[SHOW CARD 3]

☐ 1 Definitely like
☐ 2
☐ 3
☐ 4
☐ 5
☐ 6
☐ 7 Definitely don't like
☐ DK
How sensitive would you say you are to noise?

[SHOW CARD 4]

- 1 Not at all sensitive
- 2
- 3
- 4
- 5
- 6
- 7 Very sensitive
- DK

I am going to show you a series of cards, each with a different type of noise printed on it, along with some examples of that type of noise.

Please note that these are just some examples, and if you hear other noises of the same type that aren’t on the card we’re interested in those too.

Please read each card as I prompt you, and then choose your response to the questions I ask from the selection of responses at the bottom of the card. In each case, please reflect over the last year or so about noises you might have heard when you have been here at this home (that is, when you have been inside your home or outdoors at home, for example, in the garden or on the balcony).

So, thinking about the last 12 months or so
A9 When you are at home, to what extent are you personally bothered, annoyed or disturbed by noise from...?

**Aircraft, airports or airfields?**

[SHOW CARD 5A]

- Not at all {1}
- A little {2}
- Moderately{3}
- Very {4}
- Extremely {5}
- Don’t know{6}
- Don’t hear{7}

{If Code 1 or 6 ask A9a. If Code 7 ask A9b. If Codes 2-5 go to next noise type}

**A9a Is that because you never hear this type of noise?**

- Never hear {1}
- Sometimes hear {2}

{If Code 2 here and Code 6 at A9, ask A9c. Else go to next noise type.}

**A9b Do you ever hear this kind of noise when you are at home?**

- Yes, sometimes hear{1}
- No, never hear {2}

{If Code 1, ask A9c. Else go to next noise type.}

---

28 Show card: Aircraft, airports and airfields
29 Show card: response options 1-5 were printed horizontally across the bottom of the show card, without numbers. Options 6 and 7 were not shown. See show card for the example noise sources.
A9c So, can you confirm whether you are personally bothered, annoyed or disturbed by noise from

**Aircraft, airports or airfields?**

[SHOW CARD 5A]
- Not at all {1}
- A little {2}
- Moderately {3}
- Very {4}
- Extremely {5}
- Don’t know {6}

{Repeat A9 for the following other types of noise replacing “**Aircraft, airports or airfields**”, in this order and with the show cards indicated.}

**Trains or railway stations** [SHOW CARD 5B]

**Road traffic** [SHOW CARD 5C]

**Sea, river or canal traffic** [SHOW CARD 5D]

**Building, construction, demolition, renovation or road works** [SHOW CARD 5E]

**Neighbours (inside their homes)** [SHOW CARD 5F]

**Neighbours (outside their homes)** [SHOW CARD 5G]

**Other people nearby** [SHOW CARD 5H]

**Sports** [SHOW CARD 5I]

**Other entertainment or leisure** [SHOW CARD 5J]

**Industrial sites** [SHOW CARD 5K]

**Other commercial premises** [SHOW CARD 5L]

**Forestry, farming or agriculture** [SHOW CARD 5M]

**Community buildings** [SHOW CARD 5N]

---

30 Show card: Aircraft, airports and airfields
31 Show card: response options 1-5 were printed horizontally across the bottom of the show cards, without numbers. Options 6 and 7 were not shown. See show cards for the example noise sources.
A9 When you are at home, to what extent are you personally bothered, annoyed or disturbed by noise from...?

Any other noise?

[SHOW CARD 50]³²

○ Not at all {1}
○ A little {2}
○ Moderately {3}
○ Very {4}
○ Extremely {5}
○ Don’t know {6}
○ Don’t hear {7}

{If Code 1 or 6 ask A9a. If Code 7 ask A9b. If coded 2 to 5 at A9, ask A9d.}

A9d [INTERVIEWER: WRITE IN THE ONE SELECTED OTHER NOISE SOURCE]

[If respondent does not mention at least one specific source of noise, prompt for one.]

{Open text box. “Return” key can be used within the box.}

A9a Is that because you never hear this type of noise?

○ Never hear {1}
○ Sometimes hear {2}

{If Code 2 here and Code 6 at A9, ask A9c. Else go to A10.}

³² Show card: response options 1-5 were printed horizontally across the bottom of the show card, without numbers. Options 6 and 7 were not shown. No example noise sources were shown.
A9b *Do you ever* hear this kind of noise when you are at home?

- Yes, sometimes hear {1}
- No, never hear {2}

{If Code 1, ask A9c. Else go to A10.}

A9c So, can you confirm whether you are personally bothered, annoyed or disturbed by noise from

**Any other noise?**

[SHOWCARD 5O]

- Not at all {1}
- A little {2}
- Moderately {3}
- Very {4}
- Extremely {5}
- Don’t know {6}

{New screen.}

[MAKE SURE GREEN SHUFFLE CARDS A-O HAVE BEEN THOROUGHLY SHUFFLED SINCE LAST RESPONDENT BEFORE HANDING TO RESPONDENT]

A10 On these cards there are different sources of noise.

*Please look at them and then sort them into two groups.*

*Put all those noises that bother, annoy or disturb you personally when you are at home into one pile, and all those that don't apply to you, or do not bother, annoy or disturb you when at home into a second pile.*

*All the cards must be put into one group or the other.*

[Interviewer: Take the group of cards showing noises that bother, annoy or disturb the respondent and hand them to the respondent.]

*I would now like you to rank these cards according to which one bothers, annoys or disturbs you the MOST when at home, and which NEXT most, and NEXT most.*

*Please continue until all of the group are ranked in order of annoyance/disturbance.*
[New screen.]

[Enter letter from each card in order from most annoying to least annoying]

[Disturbs the MOST]33

- A Road traffic
- B Neighbours (inside their homes)34
- C Neighbours (outside their homes)35
- D Other people nearby
- E Trains or railway stations
- F Aircraft/airports
- G Sea, river or canal traffic
- H Building, construction, demolition, renovation or road works
- I Sports
- J Other entertainment or leisure
- K Industrial sites
- L Other commercial premises
- M Forestry, farming or agriculture
- N Community buildings
- O Any other noise
- NO MORE CARDS

{Remove selected option from the list and show the reduced list on a new screen with “Disturbs the MOST” replaced by “2nd most disturbing”. Repeat with “3rd most disturbing”, etc. until “No more cards” is selected.}

33 All show cards printed in upper case except text in brackets.
34 Show card: “inside” underlined.
35 Show card: “outside” underlined.
A11 *How long have you lived in this home?*

- less than 6 months
- 6 months but less than a year
- 1 but less than 2 years
- 2 but less than 5 years
- 5 but less than 10 years
- 10 years or more

A12 *And can I just check, do you have use of a garden, terrace or balcony here?*

[**CODE ALL THAT APPLY**]

[INCLUDES SHARED GARDENS IF PRIVATE]

- Yes – garden
- Yes – balcony/terrace
- No – none

A13 [INTERVIEWER CODE - What type of dwelling is this?]

- Purpose built flat / maisonette
- Converted flat / maisonette
- Semi-detached / end terrace house
- Mid terrace house
- Detached house
- Bungalow
- Other

{If flat/maisonette, ask A14. Others go to filter below.}

---

36 This code could not be used with others.
A14 [INTERVIEWER CODE On what floor of the building is the entrance to this particular flat/maisonette? Enter number of floor. Enter -1 for basement and 0 for ground floor]

{Open text box. Single number allowed, within the range -1 to 50.}

{FILTER: Modules RTN, NN, AN, RN and OSN are filtered from A10.}

{Road Traffic Noise (RTN) module is always needed.}

{Neighbour Noise (NN) module is always needed.}

{Disregard Cards A-D and identify the highest ranked other sources of noise (up to three sources other than road traffic and neighbours or other people nearby). For each of the top three, a separate Noise Type module is needed, to be asked in the same order as presented at A10. There are specific modules for aircraft noise (AN) and railway noise (RN) but other sources of noise are all covered by using the OSN module up to three times.}

{This means that the minimum number of modules is two (if no noises other than A-D are ranked at A10) and the maximum is five: road traffic, neighbours, and 3 others.).}
V1.A5.3 Module RTN – Road Traffic Noise

{If A12 answered “Yes”, say:}

I would now like to ask you some questions specifically about noise from road traffic.

The questions ask you to reflect over the last year or so about noises you might have heard when you have been here at this home (that is, when you have been inside your home or outdoors at home, for example, in the garden or on the balcony or terrace).

{If A12 answered “No”, say:}

I would now like to ask you some questions specifically about noise from road traffic.

The questions ask you to reflect over the last year or so about noises you might have heard when you have been here at this home (that is, when you have been inside your home).

{New screen.}

RTN1 On this card there is a list of different types of road traffic noise.

For each of the different types of noise I would like you to say how much you personally feel bothered, annoyed or disturbed by that type of noise when you are at home.

Please use the answer options at the bottom of the card.

I would like you to answer thinking about the last 12 months or so.

Please note that if any of the noises is ever heard but does not bother, annoy or disturb you, say Not at all, but if you do not hear a particular noise say ‘don’t hear’.

[If Don’t know please check whether they mean don’t know or don’t hear]

[SHOW PINK NOISE CARD RTN1]37

37 Single code for each noise type. Show card headed “Road types” followed by list of road types then the response options (“Bothered, annoyed or disturbed ….” then, on the following line, response options 1-5 horizontally across the card, without numbers, and on the bottom line, “OR: NEVER HEAR THIS TYPE OF NOISE AT HOME”).
<table>
<thead>
<tr>
<th>Road Type</th>
<th>Not at all</th>
<th>A little</th>
<th>Moderately</th>
<th>Very</th>
<th>Extremely</th>
<th>Don’t know</th>
<th>Don’t hear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motorways</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Other dual carriageway roads</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Single carriageway main roads</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Residential/estate roads/country lanes</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Any other kind of road</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

{New screen}

{If “Any other kind of road” coded 2-5, ask:}

**RTN1 Other** What other type of road noise is this?

{Open text box. “Return” key can be used within the box.}

{New screen}

**RTN1** On this card there is a list of different types of road traffic noise.

For each of the different types of noise I would like you to say how much you personally feel bothered, annoyed or disturbed by that type of noise when you are at home.

Please use the answer options at the bottom of the card.

I would like you to answer thinking about the last 12 months or so.

Please note that if any of the noises is ever heard but does not bother, annoy or disturb you, say Not at all, but if you do not hear a particular noise say ‘don’t hear’.  

[If Don’t know please check whether they mean don’t know or don’t hear]

---

38 Actual spacing of columns depends on screen width but widest columns were for “Moderately” and “Extremely”.
39 Show card: Residential/estate roads / country lanes
40 Show card: Any other kind of road (please specify)
41 This full preamble was not necessarily read out each time, if the respondent had already got the idea of what to do. See interviewer instructions.
<table>
<thead>
<tr>
<th></th>
<th>{1} Not at all</th>
<th>{2} A little</th>
<th>{3} Moderately</th>
<th>{4} Very</th>
<th>{5} Extremely</th>
<th>{6} Don’t know</th>
<th>{7} Don’t hear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy lorries</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Smaller lorries</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Delivery vans</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Buses / coaches</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Private cars / taxis</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Motor bikes / scooters</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Refuse collection</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Any other kind of vehicle</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>

{New screen}

{If “Any other kind of vehicle” coded 2-5, ask:}

(RTN1 Other) What other type of vehicle is this?

{Open text box. “Return” key can be used within the box.}

{New screen}

RTN1 On this card there is a list of different types of road traffic noise.

For each of the different types of noise I would like you to say how much you personally feel bothered, annoyed or disturbed by that type of noise when you are at home.

Please use the answer options at the bottom of the card.

---

42 Single code for each noise type. Show card headed “Vehicle types” followed by list of vehicle types then the response options (“Bothered, annoyed or disturbed ....” then, on the following line, response options 1-5 horizontally across the card, without numbers, and on the bottom line, “OR: NEVER HEAR THIS TYPE OF NOISE AT HOME”).

43 Actual spacing of columns depends on screen width but widest columns were for “Moderately” and “Extremely”.

44 Show card: Delivery vans / milk floats / ice cream vans

45 Show card: Buses/coaches

46 Show card: Motorbikes/scooters

47 Show card: Refuse/recycling collection vehicles

48 Show card: Any other kind of vehicle (please specify)
I would like you to answer thinking about the last 12 months or so.

Please note that if any of the noises is ever heard but does not bother, annoy or disturb you, say Not at all, but if you do not hear a particular noise say ‘don’t hear’. 49

[If Don’t know please check whether they mean don’t know or don’t hear]

[SHOW PINK NOISE CARD RTN3]50

<table>
<thead>
<tr>
<th>Noise Type</th>
<th>{1} Not at all</th>
<th>{2} A little</th>
<th>{3} Moderately</th>
<th>{4} Very</th>
<th>{5} Extremely</th>
<th>{6} Don’t know</th>
<th>{7} Don’t hear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vehicles starting</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Engine revving</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Air brakes</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Brake squeal</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Vehicles accelerating</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Car alarms</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Police / other sirens</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Noise from Irregularities</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Music from vehicles</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Vehicle horns</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Any other kind of noise from road vehicles</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>

{New screen}

49 This full preamble was not necessarily read out each time, if the respondent had already got the idea of what to do. See interviewer instructions.

50 Single code for each noise type. Show card headed “Particular types of road traffic noise” followed by list of noise types then the response options (“Bothered, annoyed or disturbed ….” then, on the following line, response options 1-5 horizontally across the card, without numbers, and on the bottom line, “OR: NEVER HEAR THIS TYPE OF NOISE AT HOME”).

51 Actual spacing of columns depends on screen width but widest columns were for “Moderately” and “Extremely”.

52 Show card: Vehicles starting / stopping / ticking over (at traffic lights, crossings, etc.)

53 Show card: Vehicles accelerating / going too fast

54 Show card: Car alarms / vehicle reversing signals

55 Show card: Police/other sirens

56 Show card: Noise caused by irregularities in the road surface, man-hole covers, traffic calming, etc.

57 Show card: Any other kind of noise from road vehicles (please specify)
If “Any other kind of noise from road vehicles” coded 2-5, ask:

**RTN1 Other** What other type of noise from a road vehicle is this?

{Open text box. “Return” key can be used within the box.}

{If “Road traffic”, was not coded at A10 and all parts of RTN1 were coded “Don’t hear”, “Not at all” or “Don’t know” then go to “Noise from neighbours and other people nearby” (NN) module. Else ask RTN3.}

{There is no RTN2.}

**RTN3** The next set of questions is about all kinds of road traffic noise that you hear when you are at home.

Which five of the words that I am about to show you best describe how the noise you hear from road traffic makes you feel?

[SHOW NEXT SCREEN]

[New screen.]

**RTN3** [Code up to FIVE responses] {Maximum of five responses allowed}

{This list is shown on screen to randomise the order in which the words appear to the respondent.}

☐ Irritated    ☐ Tense    ☐ Safe
☐ Anxious    ☐ Startled    ☐ Relaxed
☐ Annoyed    ☐ Stressed    ☐ Bothered
☐ Comforted    ☐ Tired    ☐ Angry
☐ Frightened    ☐ Stimulated    ☐ Excited
☐ Worried    ☐ Depressed    ☐ Upset
☐ Good    ☐ Fed up    ☐ Unhealthy/ill

{If none selected, go to new screen:}

[Please confirm that the respondent did not choose any response] *

☐ None of the emotions selected

☐ Yes respondent selected emotion [(go back to the previous screen)]* {Go to previous screen.}
RTN4 And does road traffic noise interfere with any of these aspects of your home life?

Does the noise interfere with…

<table>
<thead>
<tr>
<th>Activity</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Listening to TV, radio, music</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Having a conversation (including on the telephone)</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Reading, writing or other quiet activities</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Concentrating</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Sleeping</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Resting</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Using the whole house</td>
<td>o</td>
<td>o</td>
</tr>
</tbody>
</table>
{Only if yes at A12} Spending time in the garden or balcony/terrace | o   | o  |
| Having the windows or doors open                     | o   | o  |
| Having guests or visitors                            | o   | o  |
| Spending time in the home                            | o   | o  |

RTN5a Does road traffic noise particularly bother, annoy or disturb you, at home, at each of the times listed on the card during the week - that is Monday to Friday?

[SHOW CARD 8]  

<table>
<thead>
<tr>
<th>Time</th>
<th>Yes</th>
<th>No</th>
<th>Not generally home at this time</th>
<th>No particular time</th>
<th>It varies</th>
<th>Don't know</th>
</tr>
</thead>
<tbody>
<tr>
<td>Day 7am-7pm</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Evening 7-11pm</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Night 11pm-7am</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
</tbody>
</table>

58. Shading of the rows skips to the next row if this row is omitted.
59. Show card:

**Day** (07:00 – 19:00)  **Evening** (19:00 – 23:00)  **Night** (23:00 – 07:00)  (i.e. 7:00 a.m. to 7:00 p.m.)  (i.e. 7:00 p.m. to 11:00 p.m.)  (i.e. 11:00 p.m. to 7:00 a.m.)
RTN5b Does road traffic noise particularly bother, annoy or disturb you, at home, at each of the times listed on the card at the weekend - that is Saturday and Sunday?

[SHOW CARD 8 AGAIN]

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
<th>Not generally home at this time</th>
<th>No particular time</th>
<th>It varies</th>
<th>Don’t know</th>
</tr>
</thead>
<tbody>
<tr>
<td>Day 7am-7pm</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Evening 7-11pm</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Night 11pm-7am</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>

RTN6 How much would you say you are bothered, annoyed or disturbed by the road traffic noise while it is going on?

[SHOW CARD 9 AGAIN]

○ 1  Not at all
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7  Very seriously
○ Don’t hear
○ Don’t know

60 Show card: times of day the same as for RTN5a.
61 Show card: Option not shown.
RTN7 *And how much do you feel that road traffic noise spoils your home life, in general, not just when the noise is going on?*

[SHOW CARD 9 AGAIN]
- 1 Not at all
- 2
- 3
- 4
- 5
- 6
- 7 Very seriously
- Don’t hear
- Don’t know

{There is no RTN8.}
{If A11 is coded less than 5 years, go to RTN9b. Else ask RTN9a.}

RTN9a - *Would you say that road traffic noise here, at your home, has been getting better or worse over the past five years?*

[SHOW CARD 12]
- 1 Definitely better
- 2
- 3
- 4
- 5 Definitely worse
- Don’t know

{Go to RTN12a.}

---

62 Show card: Option not shown.
**RTN9b** Would you say road traffic noise is better or worse here, at your home, than where you were living five years ago?

[SHOW CARD 12 AGAIN]\(^{63}\)

- 1  Definitely better
- 2
- 3
- 4
- 5  Definitely worse
- Don’t know

{There is no RTN10 or RTN11.}

**RTN12a** How much are you bothered, annoyed or disturbed by vibration from road traffic?

By that I mean seeing, hearing or feeling the windows or something in the home rattle, vibrate or shake.

[SHOW CARD 14]

- 1  Not at all
- 2
- 3
- 4
- 5
- 6
- 7  Very seriously
- No vibration\(^{64}\)
- Don’t know

\(^{63}\) Reference “AGAIN” does not apply here but is included because CAPI programmed as a loop with the same wording for all noise modules.

\(^{64}\) Show card: Option not shown.
RTN13 Is there anything else you would like to say about the road traffic noise that you hear while you are at home?

{Write in or code “No comment” below.}

{Open text box. “Return” key can be used within the box.}

☐ No comment.

{Go to NN module.}
V1.A5.4 Module NN – Neighbour Noise

{If A12 answered “Yes”, say:}

I would now like to ask you some questions specifically about noise from *neighbours and other people when they are nearby*.

The questions ask you to reflect over the last year or so about noises you might have heard when you have been here at this home (that is, when you have been inside your home or outdoors at home, for example, in the garden or on the balcony or terrace).

{If A12 answered “No”, say:}

I would now like to ask you some questions specifically about noise from *neighbours and other people when they are nearby*.

The questions ask you to reflect over the last year or so about noises you might have heard when you have been here at this home (that is, when you have been inside your home).

{New screen.}

**NN1** On this card there is a list of different types of noise.

For each of the different types of noise I would like you to say how much you personally feel bothered, annoyed or disturbed by that type of noise when you are at home.

Please use the answer options at the bottom of the card.

I would like you to answer thinking about the last 12 months or so.

Please note that if any of the noises is ever heard but does not bother, annoy or disturb you, say Not at all, but if you do not hear a particular noise say 'don't hear'.

[If Don’t know please check whether they mean don’t know or don’t hear]

[SHOW PINK NOISE CARD NN1]^{65}

---

^{65} Single code for each noise type. Show card had no heading to distinguish it from other pink NN cards – just the list of noise types then the response options (“Bothered, annoyed or disturbed ….” then, on the following line, response options 1-5 horizontally across the card, without numbers, and on the bottom line, “OR: NEVER HEAR THIS TYPE OF NOISE AT HOME”).
<p>{New screen}</p>

**NN1** On this card there is a list of different types of noise.

For each of the different types of noise I would like you to say how much you personally feel bothered, annoyed or disturbed by that type of noise when you are at home.

Please use the answer options at the bottom of the card.

I would like you to answer thinking about the last 12 months or so.

Please note that if any of the noises is ever heard but does not bother, annoy or disturb you, say Not at all, but if you do not hear a particular noise say 'don't hear'.

[If Don’t know please check whether they mean don’t know or don’t hear]

[SHOW PINK NOISE CARD NN2]</w-1>

---

<table>
<thead>
<tr>
<th>Noise Type</th>
<th>{1} Not at all</th>
<th>{2} A little</th>
<th>{3} Moderately</th>
<th>{4} Very</th>
<th>{5} Extremely</th>
<th>{6} Don’t know</th>
<th>{7} Don’t hear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radio, TV, music</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Children</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Teenagers&lt;sup&gt;67&lt;/sup&gt;</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Parties held indoors</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Parties outdoors&lt;sup&gt;68&lt;/sup&gt;</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Dogs</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Other domestic animal/pets&lt;sup&gt;69&lt;/sup&gt;</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Footsteps</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>

<sup>66</sup> Actual spacing of columns depends on screen width but widest columns were for “Moderately” and “Extremely”.

<sup>67</sup> Show card: Teenagers’ or adults’ voices

<sup>68</sup> Show card: Parties held outdoors

<sup>69</sup> Show card: Other domestic animals/pets

<sup>70</sup> This full preamble was not necessarily read out each time, if the respondent had already got the idea of what to do. See interviewer instructions.

<sup>71</sup> Single code for each noise type. Show card had no heading to distinguish it from other pink NN cards – just the list of noise types then the response options (“Bothered, annoyed or disturbed ….”) then, on the following line,
{New screen}

**NN1 On this card there is a list of different types of noise.**

*For each of the different types of noise I would like you to say how much you personally feel bothered, annoyed or disturbed by that type of noise when you are at home.*

*Please use the answer options at the bottom of the card.*

*I would like you to answer thinking about the last 12 months or so.*

*Please note that if any of the noises is ever heard but does not bother, annoy or disturb you, say Not at all, but if you do not hear a particular noise say 'don’t hear'.*

*[If Don’t know please check whether they mean don’t know or don’t hear]*

*[SHOW PINK NOISE CARD NN3]*

---

<table>
<thead>
<tr>
<th>Noise Type</th>
<th>{1} Not at all</th>
<th>{2} A little</th>
<th>{3} Moderately</th>
<th>{4} Very</th>
<th>{5} Extremely</th>
<th>{6} Don’t know</th>
<th>{7} Don’t hear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doors banging</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Domestic equipment</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Telephones</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Electric sockets</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>D.I.Y.</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Lawn mowers</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Cars</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Bins/recycling</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>

---


response options 1-5 horizontally across the card, without numbers, and on the bottom line, “OR: NEVER HEAR THIS TYPE OF NOISE AT HOME”).

72 Actual spacing of columns depends on screen width but widest columns were for “Moderately” and “Extremely”.

73 Show card: Doors banging (either outside or inside doors)

74 Show card: Domestic equipment (vacuum cleaners, washing machines, dishwashers, tumble dryers, etc.)

75 Show card: Telephones ringing (inside or outside)

76 Show card: Electric sockets/switches

77 Show card: D.I.Y. (hammering, drilling, etc.)

78 Show card: Lawn mowers or other garden equipment

79 Show card: Cars / motor cycles starting up / leaving or being repaired, etc.

80 Show card: Putting out bins or recycling

81 This full preamble was not necessarily read out each time, if the respondent had already got the idea of what to do. See interviewer instructions.
Burglar alarms

Neighbours' fireworks

Wind turbines

Deliveries

Other

New screen

If “Any other kind of noise from neighbours and/or other people nearby” coded 2-5, ask:

(\textbf{NN1 Other}) \textit{What other type of noise from neighbours and/or other people nearby is this?}

{Open text box. “Return” key can be used within the box.}

If none of “Neighbours inside their home”, Neighbours Outside their home” and “Other people nearby” was coded at A10 and all parts of NN1 were coded “Don’t hear”, “Not at all” or “Don’t know” then go to next Noise module. Else ask NN3.

There is no NN2.

New screen

---

82 Single code for each noise type. Show card had no heading to distinguish it from other pink NN cards – just the list of noise types then the response options (“Bothered, annoyed or disturbed ….” then, on the following line, response options 1-5 horizontally across the card, without numbers, and on the bottom line, “OR: NEVER HEAR THIS TYPE OF NOISE AT HOME”).

83 Actual spacing of columns depends on screen width but widest columns were for “Moderately” and “Extremely”.

84 Show card: Neighbours’ wind turbines, air conditioning or heat pumps

85 Show card: People making deliveries or collections nearby, e.g. the post, supermarkets, mail/online order goods

86 Show card: Any other noise from neighbours and/or other people nearby (please specify)
NN3 The next set of questions is about all kinds of noise from neighbours or other people nearby that you hear when you are at home.

Which five of the words that I am about to show you best describe how the noise you hear from neighbours or other people nearby makes you feel?

[SHOW NEXT SCREEN]

{New screen.}

NN3

[Code up to FIVE responses] {Maximum of five responses allowed}

{This list is shown on screen to randomise the order in which the words appear to the respondent.}

☐ Irritated ☐ Tense ☐ Safe
☐ Anxious ☐ Startled ☐ Relaxed
☐ Annoyed ☐ Stressed ☐ Bothered
☐ Comforted ☐ Tired ☐ Angry
☐ Frightened ☐ Stimulated ☐ Excited
☐ Worried ☐ Depressed ☐ Upset
☐ Good ☐ Fed up ☐ Unhealthy/ill

{If none selected, go to new screen:}

[Please confirm that the respondent did not choose any response] *

☐ None of the emotions selected

☐ Yes respondent selected emotion [(go back to the previous screen)]* {Go to previous screen.}
NN4 And does noise from neighbours or other people nearby interfere with any of these aspects of your home life?

Does the noise interfere with…

<table>
<thead>
<tr>
<th>Activity</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Listening to TV, radio, music</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Having a conversation (including on the telephone)</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Reading, writing or other quiet activities</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Concentrating</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Sleeping</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Resting</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Using the whole house</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>{Only if yes at A12} Spending time in the garden, balcony or terrace</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Having the windows or doors open</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Having guests or visitors</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Spending time in the home</td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>

NN5a Does noise from neighbours or other people nearby particularly bother, annoy or disturb you, at home, at each of the times listed on the card during the week - that is Monday to Friday?

[SHOW CARD 8]

<table>
<thead>
<tr>
<th>Time</th>
<th>Yes</th>
<th>No</th>
<th>Not generally home at this time</th>
<th>No particular time</th>
<th>It varies</th>
<th>Don’t know</th>
</tr>
</thead>
<tbody>
<tr>
<td>Day 7am-7pm</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Evening 7-11pm</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Night 11pm-7am</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>

87 Shading of the rows skips to the next row if this row is omitted.
88 Show card:

- **Day** (07:00 – 19:00)  
  (i.e. 7:00 a.m. to 7:00 p.m.)
- **Evening** (19:00 – 23:00)  
  (i.e. 7:00 p.m. to 11:00 p.m.)
- **Night** (23:00 – 07:00)  
  (i.e. 11:00 p.m. to 7:00 a.m.)
**NN5b** Does noise from neighbours or other people nearby particularly bother, annoy or disturb you, at home, at each of the times listed on the card at the weekend - that is Saturday and Sunday?

[SHOW CARD 8 AGAIN]

<table>
<thead>
<tr>
<th>89</th>
<th>Yes</th>
<th>No</th>
<th>Not generally home at this time</th>
<th>No particular time</th>
<th>It varies</th>
<th>Don’t know</th>
</tr>
</thead>
<tbody>
<tr>
<td>Day 7am-7pm</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Evening 7-11pm</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Night 11pm-7am</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>

**NN6** How much would you say you are bothered, annoyed or disturbed by the noise from neighbours or other people nearby while it is going on?

[SHOW CARD 9]

- ○ 1 Not at all
- ○ 2
- ○ 3
- ○ 4
- ○ 5
- ○ 6
- ○ 7 Very seriously
- ○ Don’t hear 90
- ○ Don’t know

---

89 Show card: times of day the same as for NN5a.

90 Show card: Option not shown.
NN7 And how much do you feel that noise from neighbours or other people nearby spoils your home life, in general, not just when the noise is going on?

[SHOW CARD 9 AGAIN]

- 1 Not at all
- 2
- 3
- 4
- 5
- 6
- 7 Very seriously
- Don’t hear
- Don’t know

{If A12 answered “No”, go to filter before NN8b. Else ask NN8a.}

NN8a Which of the phrases on this card best describes how the noise from neighbours and/or other people nearby differs when you’re inside from when you’re outside in the garden or on a balcony or terrace?

[SHOW CARD 10]

- Not a problem at all
- Only hear it when inside
- Worse inside the home
- About the same indoors and outdoors
- Worse outside in the garden / on the balcony
- Only hear it when outside
- Don’t know

---

91 Show card: Option not shown.
92 Show card: Option not shown.
93 Show card: Only hear it when indoors
94 Show card: Worse outside in the garden / on the balcony/terrace
Thinking again about all the noise you hear from neighbours or other people nearby, which of these would you say is....

[CODE ONE ONLY ON EACH SCREEN]

[SHOW CARD 11]

*The Worst source of the noise*

- Inside a neighbour’s home (attached to yours, to the side or above or below)
- Inside a neighbour’s home (not attached)
- A garden
- A garden shed, workshop, etc.
- A nearby driveway or parking space
- The street or an open space nearby
- Other* [WRITE IN]*

{Single-line open text box – text scrolls along if too long for box.}

- Don’t know

- No more sources of noise

{Remove the selected option from the list and show the reduced list on a new screen with “The Worst source of the noise” replaced by “The Second worst source of noise”, then “The Third worst source of noise”. No repetition if “No more sources of noise” is selected on first or second list.}*

{If A11 is coded less than 5 years, go to NN9b. Else ask NN9a.}

---

*Show card: Other (please specify)*

*Maximum of three worst could be coded.*
NN9a - Would you say that noise from neighbours or other people nearby here, at your home, has been getting better or worse over the past five years?

[SHOW CARD 12]

○ 1 Definitely better
○ 2
○ 3
○ 4
○ 5 Definitely worse
○ Don’t know

{Go to NN10.}

NN9b Would you say noise from neighbours or other people nearby is better or worse here, at your home, than where you were living five years ago?

[SHOW CARD 12 AGAIN]

○ 1 Definitely better
○ 2
○ 3
○ 4
○ 5 Definitely worse
○ Don’t know
**NN10** In your opinion, do any of your neighbours make an unreasonable amount of noise?

[SHOWCARD 13]

- 1 Definitely yes
- 2
- 3
- 4
- 5 Definitely no
- No neighbours close enough to say (e.g. remote farmhouse)
- Don’t know

{If detached house at A13, go to NN12a. Else ask NN11.}

**NN11** Would you say that you have good sound insulation between your home and the one(s) attached to yours to the side, above or below?

[SHOWCARD 13 AGAIN]

- 1 Definitely yes
- 2
- 3
- 4
- 5 Definitely no
- Not applicable - e.g. no homes to side/above/below
- Don’t know

---

97 Show card: Option not shown.
98 Show card: Option not shown.
NN12a How much are you bothered, annoyed or disturbed by vibration from your neighbours’ or other people’s activities?

By that I mean seeing, hearing or feeling the windows or something in the home rattle, vibrate or shake.

[SHOW CARD 14]

- 1 Not at all
- 2
- 3
- 4
- 5
- 6
- 7 Very seriously
- No vibration
- Don’t know

NN13 Is there anything else you would like to say about the noise from neighbours or other people that you hear while you are at home?

{Write in or code “No comment” below.}

{Open text box. “Return” key can be used within the box.}

☐ No comment.

{Go to next noise source. If no others ranked in top three at A10, go to Section O.}

---

99 Show card: Option not shown.
V1.A5.5 Module RN – Railway Noise

{If A12 answered “Yes”, say:}

I would now like to ask you some questions specifically about noise from trains or railway stations.

The questions ask you to reflect over the last year or so about noises you might have heard when you have been here at this home (that is, when you have been inside your home or outdoors at home, for example, in the garden or on the balcony or terrace).

{If A12 answered “No”, say:}

I would now like to ask you some questions specifically about noise from trains or railway stations.

The questions ask you to reflect over the last year or so about noises you might have heard when you have been here at this home (that is, when you have been inside your home).

{New screen.}

(RN1) On this card there is a list of different types of trains or railway stations noise.

For each of the different types of noise I would like you to say how much you personally feel bothered, annoyed or disturbed by that type of noise when you are at home.

Please use the answer options at the bottom of the card.

I would like you to answer thinking about the last 12 months or so.

Please note that if any of the noises is ever heard but does not bother, annoy or disturb you, say Not at all, but if you do not hear a particular noise say 'don't hear'.

[If Don't know please check whether they mean don't know or don't hear]

[SHOW PINK NOISE CARD RN1]100

<table>
<thead>
<tr>
<th>{1}</th>
<th>{2}</th>
<th>{3}</th>
<th>{4}</th>
<th>{5}</th>
<th>{6}</th>
<th>{7}</th>
</tr>
</thead>
</table>

100 Single code for each noise type. Show card had no general noise type heading, just the list of specific noise types then the response options (“Bothered, annoyed or disturbed ....” then, on the following line, response options 1-5 horizontally across the card, without numbers, and on the bottom line, “OR: NEVER HEAR THIS TYPE OF NOISE AT HOME”). Show card actually labelled RN, not RN1.
<table>
<thead>
<tr>
<th>Noise Source</th>
<th>Not at all</th>
<th>A little</th>
<th>Moderately</th>
<th>Very</th>
<th>Extremely</th>
<th>Don’t know</th>
<th>Don’t hear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Express / InterCity / international (Eurostar) passenger trains</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Goods / freight trains</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Local trains</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Other/unknown type of train</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Stations (loudspeakers, etc.)</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Goods yards (shunting, freight handling etc.)</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Railway / track maintenance</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Train horns</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Rail squeal</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Unknown/Other types of railway noise</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
</tbody>
</table>

*New screen*

*If “Any unknown or other types of railway noise” coded 2-5, ask:*

**(RN1 Other)** *What other type of type of railway noise is this?*

*Open text box. “Return” key can be used within the box.*

*There is no RN2.*

---

101 Actual spacing of columns depends on screen width but widest columns were for “Moderately” and “Extremely”.
102 Show card: Goods/freight trains
103 Show card: Other or unknown train types (please specify)
104 Show card: Goods yards (shunting, freight handling, etc.)
105 Show card: Railway/track maintenance (on the show card, this item was placed before “Goods yards (shunting, freight handling, etc.)”).
106 Show card: Other or unknown types of railway noise (please specify)
RN3 The next set of questions is about all kinds of noise from trains or railway stations that you hear when you are at home.

Which five of the words that I am about to show you best describe how the noise you hear from railways makes you feel?

[SHOW NEXT SCREEN]

{New screen.}

RN3

[Code up to FIVE responses] {Maximum of five responses allowed}

{This list is shown on screen to randomise the order in which the words appear to the respondent.}

☐ Irritated ☐ Tense ☐ Safe
☐ Anxious ☐ Startled ☐ Relaxed
☐ Annoyed ☐ Stressed ☐ Bothered
☐ Comforted ☐ Tired ☐ Angry
☐ Frightened ☐ Stimulated ☐ Excited
☐ Worried ☐ Depressed ☐ Upset
☐ Good ☐ Fed up ☐ Unhealthy/ill

{If none selected, go to new screen:}

[Please confirm that the respondent did not choose any response]*

☐ None of the emotions selected
☐ Yes respondent selected emotion [(go back to the previous screen)]* {Go to previous previous screen.}
### RN4

And does noise from trains or railway stations interfere with any of these aspects of your home life?

<table>
<thead>
<tr>
<th>Aspect</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Listening to TV, radio, music</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Having a conversation (including on the telephone)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reading, writing or other quiet activities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Concentrating</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sleeping</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Using the whole house</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spending time in the garden, balcony or terrace</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Having the windows or doors open</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Having guests or visitors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spending time in the home</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### RN5a

Does noise from trains or railway stations particularly bother, annoy or disturb you, at home, at each of the times listed on the card **during the week - that is Monday to Friday**?

[SHOW CARD 8]

<table>
<thead>
<tr>
<th>Time</th>
<th>Yes</th>
<th>No</th>
<th>Not generally home at this time</th>
<th>No particular time</th>
<th>It varies</th>
<th>Don’t know</th>
</tr>
</thead>
<tbody>
<tr>
<td>Day 7am-7pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evening 7-11pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Night 11pm-7am</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

107 Shading of the rows skips to the next row if this row is omitted.

108 Show card:

**Day** (07:00 – 19:00)  
(i.e. 7:00 a.m. to 7:00 p.m.)

**Evening** (19:00 – 23:00)  
(i.e. 7:00 p.m. to 11:00 p.m.)

**Night** (23:00 – 07:00)  
(i.e. 11:00 p.m. to 7:00 a.m.)
**RN5b** Does noise from trains or railway stations particularly bother, annoy or disturb you, at home, at each of the times listed on the card at the weekend - that is Saturday and Sunday?

[SHOW CARD 8 AGAIN]

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
<th>Not generally home at this time</th>
<th>No particular time</th>
<th>It varies</th>
<th>Don’t know</th>
</tr>
</thead>
<tbody>
<tr>
<td>Day 7am-7pm</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Evening 7-11pm</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Night 11pm-7am</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>

**RN6** How much would you say you are bothered, annoyed or disturbed by the noise from trains or railway stations while it is going on?

[SHOW CARD 9]

- 1 Not at all
- 2
- 3
- 4
- 5
- 6
- 7 Very seriously
- Don’t hear
- Don’t know

\[\text{\textsuperscript{109} Show card: times of day the same as for RN5a.}\]
\[\text{\textsuperscript{110} Show card: Option not shown.}\]
RN7 And how much do you feel that noise from trains or railway stations spoils your home life, in general, not just when the noise is going on?

[SHOW CARD 9 AGAIN]

○ 1  Not at all
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7  Very seriously
○ Don’t hear
○ Don’t know

{There is no RN8.}

{If A11 is coded less than 5 years, go to RN9b. Else ask RN9a.}

RN9a Would you say that noise from trains or railway stations here, at your home, has been getting better or worse over the past five years?

[SHOW CARD 12]

○ 1  Definitely better
○ 2
○ 3
○ 4
○ 5  Definitely worse
○ Don’t know

{Go to RN12a.}

---

111 Show card: Option not shown.
**RN9b** Would you say noise from trains or railway stations is better or worse here, at your home, than where you were living five years ago?

[SHOW CARD 12 AGAIN]

- 1 Definitely better
- 2
- 3
- 4
- 5 Definitely worse
- Don’t know

{There is no RN10 or RN11.}

**RN12a** How much are you bothered, annoyed or disturbed by *vibration* from trains or railway stations?

*By that I mean seeing, hearing or feeling the windows or something in the home rattle, vibrate or shake.*

[SHOW CARD 14]

- 1 Not at all
- 2
- 3
- 4
- 5
- 6
- 7 Very seriously
- No vibration
- Don’t know

{If “Not at all”, ask RN12b. Else go to RN13.}

---

112 Show card: Option not shown.
RN12b *Is that because you do not notice this kind of vibration?*

- Yes - do not notice
- No - notice but not bothered annoyed or disturbed

RN13 *Is there anything else you would like to say about noise from trains or railway stations that you hear while you are at home?*

{Write in or code “No comment” below.}

{Open text box. “Return” key can be used within the box.}

☐ No comment.

{Go to next noise source. If no others ranked in top three at A10, go to Section O.}
V1.A5.6 Module AN – Aircraft Noise

{If A12 answered “Yes”, say:}

I would now like to ask you some questions specifically about noise from **aircraft, airports or airfields**.

The questions ask you to reflect over the last year or so about noises you might have heard when you have been here at this home (that is, when you have been inside your home or outdoors at home, for example, in the garden or on the balcony or terrace).

{If A12 answered “No”, say:}

I would now like to ask you some questions specifically about noise from **aircraft, airports or airfields**.

The questions ask you to reflect over the last year or so about noises you might have heard when you have been here at this home (that is, when you have been inside your home).

{New screen.}

(AN1) On this card there is a list of different types of aircraft, airports and airfields noise.

For each of the different types of noise I would like you to say how much you personally feel bothered, annoyed or disturbed by that type of noise when you are at home.

Please use the answer options at the bottom of the card.

I would like you to answer thinking about the last 12 months or so.

Please note that if any of the noises is ever heard but does not bother, annoy or disturb you, say Not at all, but if you do not hear a particular noise say ‘don’t hear’.

[If Don’t know please check whether they mean don’t know or don’t hear]

[SHOW PINK NOISE CARD AN]

---

113 Single code for each noise type. Show card had no general noise type heading, just the list of specific noise types then the response options (“Bothered, annoyed or disturbed ….” then, on the following line, response options 1-5 horizontally across the card, without numbers, and on the bottom line, “OR: NEVER HEAR THIS TYPE OF NOISE AT HOME”).
<table>
<thead>
<tr>
<th></th>
<th>{1} Not at all</th>
<th>{2} A littl e</th>
<th>{3} Moderate ly</th>
<th>{4} Very</th>
<th>{5} Extremel y</th>
<th>{6} Don’t know</th>
<th>{7} Don’t hear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commercial airliners</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Private light aircraft</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Microlight\textsuperscript{115}</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Helicopters\textsuperscript{116}</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Other non-military\textsuperscript{117}</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Fighters\textsuperscript{118}</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Military helicopters\textsuperscript{119}</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Other military\textsuperscript{120}</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Helicopters - unknown if non-military or military</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Unknown aircraft\textsuperscript{121}</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>

\textsuperscript{114} Actual spacing of columns depends on screen width but widest columns were for “Moderately” and “Extremely”.  
\textsuperscript{115} Show card: Microlight aircraft / powered gliders  
\textsuperscript{116} Show card: Helicopters - private/commercial including police helicopters and air ambulances  
\textsuperscript{117} Show card: Any other kind of non-military aircraft (please specify)  
\textsuperscript{118} Show card: Fighters/fighter-bombers  
\textsuperscript{119} Show card: Helicopters - military  
\textsuperscript{120} Show card: Any other kind of military aircraft (please specify)  
\textsuperscript{121} Show card: Unknown aircraft type  
\textsuperscript{122} Both follow-up questions were asked after completing the AN1 matrix.
{If “Any other kind of military aircraft” coded 2-5, ask:}

**AN1 Other** What other type of military aircraft noise is this?

{Open text box. “Return” key can be used within the box.}

**AN2** And which, if any, of the aircraft you hear, fly very low over here?

[SHOW CARD 6]

[CODE ALL THAT APPLY]

☐ Commercial airliners

☐ Private light aircraft

☐ Microlight aircraft / powered gliders

☐ Helicopters - Private/commercial/police/ambulance

☐ Any other kind of non-military aircraft

☐ Fighters / fighter-bombers

☐ Military helicopters

☐ Any other kind of military aircraft

☐ Unknown aircraft type

☐ No aircraft fly very low over here

**AN3** The next set of questions is about all kinds of noise from aircraft, airports or airfields that you hear when you are at home.

Which five of the words that I am about to show you best describe how the noise you hear from aircraft, airports or airfields makes you feel?

[SHOW NEXT SCREEN]

{New screen.}

___________________________________

122 Show card: Private/commercial/police/ambulance helicopters

124 Show card: Fighters/fighter-bombers

125 The final response was not multi-code, i.e. other responses could not be combined with “No aircraft fly very low over here” and this response was not on the show card.
AN3

[Code up to FIVE responses] {Maximum of five responses allowed}

{This list is shown on screen to randomise the order in which the words appear to the respondent.}

☐ Irritated ☐ Tense ☐ Safe
☐ Anxious ☐ Startled ☐ Relaxed
☐ Annoyed ☐ Stressed ☐ Bothered
☐ Comforted ☐ Tired ☐ Angry
☐ Frightened ☐ Stimulated ☐ Excited
☐ Worried ☐ Depressed ☐ Upset
☐ Good ☐ Fed up ☐ Unhealthy/ill

{If none selected, go to new screen:}

[Please confirm that the respondent did not choose any response]*

☐ None of the emotions selected

☐ Yes respondent selected emotion [(go back to the previous screen)]* {Go to previous previous screen.}
**AN4** And does the noise from aircraft interfere with any of these aspects of your home life?

**Does the noise interfere with…**

<table>
<thead>
<tr>
<th>Activity</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Listening to TV, radio, music</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Having a conversation (including on the telephone)</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Reading, writing or other quiet activities</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Concentrating</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Sleeping</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Resting</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Using the whole house</td>
<td>o</td>
<td>o</td>
</tr>
</tbody>
</table>

{Only if yes at A12}

<table>
<thead>
<tr>
<th>Activity</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spending time in the garden, balcony or terrace</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Having the windows or doors open</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Having guests or visitors</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Spending time in the home</td>
<td>o</td>
<td>o</td>
</tr>
</tbody>
</table>

---

**AN5a** Does the noise from aircraft, airports or airfields particularly bother, annoy or disturb you, at home, at each of the times listed on the card **during the week - that is Monday to Friday**?

[SHOW CARD 8]

<table>
<thead>
<tr>
<th>Time</th>
<th>Yes</th>
<th>No</th>
<th>Not generally home at this time</th>
<th>No particular time</th>
<th>It varies</th>
<th>Don't know</th>
</tr>
</thead>
<tbody>
<tr>
<td>Day 7am-7pm</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Evening 7-11pm</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Night 11pm-7am</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
</tbody>
</table>

---

126 Shading of the rows skips to the next row if this row is omitted.
127 Show card:

Day (07:00 – 19:00)  
(i.e. 7:00 a.m. to 7:00 p.m.)

Evening (19:00 – 23:00)  
(i.e. 7:00 p.m. to 11:00 p.m.)

Night (23:00 – 07:00)  
(i.e. 11:00 p.m. to 7:00 a.m.)
AN5b Does the noise from aircraft, airports or airfields particularly bother, annoy or disturb you, at home, at each of the times listed on the card at the weekend - that is Saturday and Sunday?

[SHOW CARD 8 AGAIN]

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
<th>Not generally home at this time</th>
<th>No particular time</th>
<th>It varies</th>
<th>Don't know</th>
</tr>
</thead>
<tbody>
<tr>
<td>Day 7am-7pm</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Evening 7-11pm</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Night 11pm-7am</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>

AN6 How much would you say you are bothered, annoyed or disturbed by the noise from aircraft, airports or airfields while it is going on?

[SHOW CARD 9]

○ 1 Not at all
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7 Very seriously
○ Don’t hear
○ Don’t know

---

128 Show card: times of day the same as for AN5a.
129 Show card: Option not shown.
AN7 And how much do you feel that the noise from aircraft, airports or airfields spoils your home life, in general, not just when the noise is going on?

[SHOW CARD 9 AGAIN]

☐ 1 Not at all
☐ 2
☐ 3
☐ 4
☐ 5
☐ 6
☐ 7 Very seriously
☐ Don’t hear\(^{130}\)
☐ Don’t know

{There is no AN8.}

{If A11 is coded less than 5 years, go to AN9b. Else ask AN9a.}

AN9a - Would you say that the noise from aircraft, airports or airfields here, at your home,

has been getting better or worse over the past five years?

[SHOW CARD 12]

☐ 1 Definitely better
☐ 2
☐ 3
☐ 4
☐ 5 Definitely worse
☐ Don’t know

{Go to AN12a.}

\(^{130}\) Show card: Option not shown.
AN9b Would you say the noise from aircraft, airports or airfields is better or worse here, at your home, than where you were living five years ago?

[SHOW CARD 12 AGAIN]

○ 1 Definitely better
○ 2
○ 3
○ 4
○ 5 Definitely worse
○ Don’t know

{There is no AN10 or AN11.}

AN12a How much are you bothered, annoyed or disturbed by vibration from aircraft, airports or airfields? By that I mean seeing, hearing or feeling the windows or something in the home rattle, vibrate or shake.

[SHOW CARD 14]

○ 1 Not at all
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7 Very seriously
○ No vibration
○ Don’t know

{If “Not at all”, ask AN12b. Else go to AN13.}

131 Show card: Option not shown.
AN12b Is that because you do not notice this kind of vibration?

- Yes - do not notice
- No - notice but not bothered annoyed or disturbed

AN13 Is there anything else you would like to say about the aircraft, airports or airfields noise that you hear while you are at home?

{Write in or code “No comment” below.}

{Open text box. “Return” key can be used within the box.}

☐ No comment.

{Go to next noise source. If no others ranked in top three at A10, go to Section O.}
V1.A5.7 Module OSN – Other Sources of Noise

{This module was repeated for each of the noise types, other than road traffic, neighbours, aircraft and railways, that were chosen in the top three at A10.}

{If A12 answered “Yes”, say:}

I would now like to ask you some questions specifically about noise from {{Noise type}}.

The questions ask you to reflect over the last year or so about noises you might have heard when you have been here at this home, that is, when you have been inside your home or outdoors at home, for example, in the garden or on the balcony or terrace).

{If A12 answered “No”, say:}

I would now like to ask you some questions specifically about noise from {{Noise type}}.

The questions ask you to reflect over the last year or so about noises you might have heard when you have been here at this home, that is, when you have been inside your home).

So, thinking about the last 12 months or so ...

OSN1 You have picked out {{Noise type}} as one of the noises that most bothers, annoys or disturbs you.

Is there any particular noise from {{Noise type}}, that you personally feel bothered, annoyed or disturbed by? [(Probe for up to THREE particular noises and write in below)]

{Possible response options are displayed below, one set for each noise source. The underlined headings do not appear on screen but these are inserted where “noise type” is indicated, without underlining.}

---

132 More than three options could be coded.
Sea, river or canal traffic

- No particular noise type \(^{133}\)
- Boats
- Ships
- Docks
- Other1 (specify)
  {Single-line open text box – text scrolls along if too long for box.}
- Other2 (specify)
  {Single-line open text box – text scrolls along if too long for box.}
- Other3 (specify)
  {Single-line open text box – text scrolls along if too long for box.}

Building, construction, demolition, renovation or road works

- No particular noise type \(^{134}\)
- Building
- Construction
- Demolition
- Renovation
- Roadworks
- Other1 (specify)
  {Single-line open text box – text scrolls along if too long for box.}
- Other2 (specify)
  {Single-line open text box – text scrolls along if too long for box.}
- Other3 (specify)
  {Single-line open text box – text scrolls along if too long for box.}

\(^{133}\) This code could not be used with others.

\(^{134}\) This code could not be used with others.
Sports

☐ No particular noise type
☐ Football matches
☐ Shooting
☐ Playing fields
☐ Model aircraft
☐ Racing
☐ Water sports
☐ Other1 (specify)
{Single-line open text box – text scrolls along if too long for box.}
☐ Other2 (specify)
{Single-line open text box – text scrolls along if too long for box.}
☐ Other3 (specify)
{Single-line open text box – text scrolls along if too long for box.}

Other entertainment or leisure

☐ No particular noise type
☐ Discos
☐ Clubs
☐ Halls
☐ Fairgrounds
☐ Hot air balloons
☐ Pubs
☐ Restaurants
☐ Take-aways
☐ Other1 (specify)
{Single-line open text box – text scrolls along if too long for box.}
☐ Other2 (specify)
{Single-line open text box – text scrolls along if too long for box.}
☐ Other3 (specify)
{Single-line open text box – text scrolls along if too long for box.}

---

135 This code could not be used with others.
136 This code could not be used with others.
### Industrial sites

- **No particular noise type**
- Factories
- Works
- Quarries
- Mines
- Scrapyards
- Waste transfer stations
- Car repair workshops
- Other1 (specify)
  {Single-line open text box – text scrolls along if too long for box.}
- Other2 (specify)
  {Single-line open text box – text scrolls along if too long for box.}
- Other3 (specify)
  {Single-line open text box – text scrolls along if too long for box.}

### Other commercial premises

- **No particular noise type**
- Depots
- Petrol filling stations
- Superstores
- Shops
- Recycling sites
- Other1 (specify)
  {Single-line open text box – text scrolls along if too long for box.}
- Other2 (specify)
  {Single-line open text box – text scrolls along if too long for box.}
- Other3 (specify)
  {Single-line open text box – text scrolls along if too long for box.}

---

137 This code could not be used with others.
138 This code could not be used with others.
Forestry, farming or agriculture

- No particular noise type\(^{139}\)
- Tractors
- Farm machinery
- Tree felling
- Bird scarers
- Farm birds (e.g. cockerels, geese, turkeys)
- Other animals/livestock
- Other1 (specify)
  
  {Single-line open text box – text scrolls along if too long for box.}
- Other2 (specify)
  
  {Single-line open text box – text scrolls along if too long for box.}
- Other3 (specify)
  
  {Single-line open text box – text scrolls along if too long for box.}

Community buildings

- No particular noise type\(^{140}\)
- Schools
- Hospitals
- Police stations
- Fire stations
- Churches
- Mosques
- Other1 (specify)
  
  {Single-line open text box – text scrolls along if too long for box.}
- Other2 (specify)
  
  {Single-line open text box – text scrolls along if too long for box.}
- Other3 (specify)
  
  {Single-line open text box – text scrolls along if too long for box.}

\(^{139}\) This code could not be used with others.

\(^{140}\) This code could not be used with others.
Any other noise\textsuperscript{141}

☐ No particular noise type\textsuperscript{142}

☐ Particular noise type 1

{Single-line open text box – text scrolls along if too long for box.}

☐ Particular noise type 2

{Single-line open text box – text scrolls along if too long for box.}

☐ Particular noise type 3

{Single-line open text box – text scrolls along if too long for box.}

\textbf{OSN2} The next set of questions is about all kinds of noise from \{\textit{Noise type}\} that you hear when you are at home\textsuperscript{143}

Is the problem mainly with the noise from \{\textit{Noise type}\} itself, or because of people coming and going from \{\textit{Noise type}\}?

[If not relevant to noise code mainly the source itself.]

[Read out]

☐ Mainly the source itself

☐ Both about the same

☐ Mainly people coming and going

☐ Don’t know

\textsuperscript{141} If “Any other noise” is selected from A10, the text inserted in the OSN module is the specific other noise that the respondent identified, not “Any other noise”.

\textsuperscript{142} This code could not be used with others.

\textsuperscript{143} For “Community buildings”, “OSN2” was placed at the start of the next sentence (“\textbf{OSN2} Is the problem …”).
**OSN3** Which five of the words that I am about to show you best describe how the noise you hear from **(noise type)** makes you feel?\(^{144}\)

[SHOW NEXT SCREEN]

{New screen.}

**OSN3**

[Code up to FIVE responses] {Maximum of five responses allowed}

{This list is shown on screen to randomise the order in which the words appear to the respondent.}

- □ Irritated
- □ Anxious
- □ Annoyed
- □ Comforted
- □ Frightened
- □ Worried
- □ Good

- □ Tense
- □ Startled
- □ Stressed
- □ Tired
- □ Stimulated
- □ Depressed
- □ Fed up

- □ Safe
- □ Relaxed
- □ Bothered
- □ Angry
- □ Excited
- □ Upset
- □ Unhealthy/ill

{If none selected, go to new screen:}

[Please confirm that the respondent did not choose any response]*

- ○ None of the emotions selected
- ○ Yes respondent selected emotion [(go back to the previous screen)]* {Go to previous screen.}

---

\(^{144}\) Noise type had an initial capital for “Forestry, farming and agriculture” and “Other commercial premises”.
OSN4 And does the noise from {{Noise type}} interfere with any of these aspects of your home life?

Does the noise interfere with…

<table>
<thead>
<tr>
<th>Activity</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Listening to TV, radio, music</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Having a conversation (including on the telephone)</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Reading, writing or other quiet activities</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Concentrating</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Sleeping</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Resting</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Using the whole house</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>{Only if yes at A12} Spending time in the garden, balcony or terrace</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Having the windows or doors open</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Having guests or visitors</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Spending time in the home</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>

OSN5a Does the noise from {{Noise type}} particularly bother, annoy or disturb you, at home, at each of the times listed on the card during the week - that is Monday to Friday?

[SHOW CARD 8]  

<table>
<thead>
<tr>
<th>Time</th>
<th>Yes</th>
<th>No</th>
<th>Not generally home at this time</th>
<th>No particular time</th>
<th>It varies</th>
<th>Don’t know</th>
</tr>
</thead>
<tbody>
<tr>
<td>Day 7am-7pm</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Evening 7-11pm</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Night 11pm-7am</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>

---

145 Shading of the rows skips to the next row if this row is omitted.

146 For forestry, farming and agriculture: [SHOW CARD 8 AGAIN].

147 Show card:

- **Day** (07:00 – 19:00)
- **Evening** (19:00 – 23:00)
- **Night** (23:00 – 07:00)

(i.e. 7:00 a.m. to 7:00 p.m.)
(i.e. 7:00 p.m. to 11:00 p.m.)
(i.e. 11:00 p.m. to 7:00 a.m.)
OSN5b Does the noise from {{Noise type}} particularly bother, annoy or disturb you, at home, at each of the times listed on the card at the weekend - that is Saturday and Sunday?\textsuperscript{148}

[SHOW CARD 8 AGAIN]

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
<th>Not generally home at this time</th>
<th>No particular time</th>
<th>It varies</th>
<th>Don’t know</th>
</tr>
</thead>
<tbody>
<tr>
<td>Day 7am-7pm</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Evening 7-11pm</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Night 11pm-7am</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
</tbody>
</table>

OSN6 How much would you say you are bothered, annoyed or disturbed by the noise from {{Noise type}} while it is going on?

[SHOW CARD 9]

- O 1 Not at all
- O 2
- O 3
- O 4
- O 5
- O 6
- O 7 Very seriously
- O Don’t hear\textsuperscript{150}
- O Don’t know

\textsuperscript{148} There were minor variations between noise sources for this question. For “Sea, river or canal traffic”, the question referred to “noise” rather than “the noise” and the words “SHOW CARD 8” were followed by “AGAIN”. For all sources except “Building, construction, demolition, renovation or road works”, “Other entertainment or leisure” and “Any other noise”, the words “at the weekend” were not in bold.

\textsuperscript{149} Show card: times of day the same as for OSN5a.

\textsuperscript{150} Show card: Option not shown.
**OSN7** And how much do you feel that noise from {{{Noise type}}} spoils your home life, in general, **not just when the noise is going on**?

**[SHOW CARD 9 AGAIN]**

- 1  Not at all
- 2
- 3
- 4
- 5
- 6
- 7  Very seriously
- Don’t hear\(^{151}\)
- Don’t know

{There is no OSN8.}

{If A11 is coded less than 5 years, go to OSN9b. Else ask OSN9a.}

**OSN9a** Would you say that noise from {{{Noise type}}} here, at your home, **has been getting better or worse over the past five years**?

**[SHOW CARD 12]**

- 1  Definitely better
- 2
- 3
- 4
- 5  Definitely worse
- Don’t know

{Go to OSN12a.}

\(^{151}\) Show card: Option not shown.
**OSN9b** Would you say the noise from `{{Noise type}}` is better or worse here, at your home, than where you were living five years ago?

[SHOW CARD 12 AGAIN]

- 1 Definitely better
- 2
- 3
- 4
- 5 Definitely worse
- Don’t know

{There is no OSN10 or OSN11.}

**OSN12a** How much are you bothered, annoyed or disturbed from the vibration from `{{Noise type}}`? By that I mean seeing, hearing or feeling the windows or something in the home rattle, vibrate or shake.

[SHOW CARD 14]

- 1 Not at all
- 2
- 3
- 4
- 5
- 6
- 7 Very seriously
- No vibration\(^{152}\)
- Don’t know

{If “Not at all”, ask OSN12b. Else go to OSN13.}

---

\(^{152}\) Show card: Option not shown.
OSN12b *Is that because you do not notice this kind of vibration?*

- Yes - do not notice
- No - notice but not bothered annoyed or disturbed

OSN13 *Is there anything else you would like to say about the {{Noise type}} noise that you hear while you are at home?*

{Write in or code “No comment” below.}

{Open text box. “Return” key can be used within the box.}

☐ No comment.

{Go to next noise source. If no others ranked in top three at A10, go to Section O.}

---

153 For “Any other noise”, the question omitted “{{Noise type}} noise” and instead used the text verbatim from A9d.
O1a I would now like you to think about all the types of noise we have been talking about that you hear at home.

Taking all these noises together, I would like you to look at the statements on the card and tell me which one best describes the extent to which noise spoils your home life?

[SHOWCARD 15]^{154}

- Completely
- A great deal
- A fair amount
- A little
- Not at all
- Don’t know

O1b I would now like you to think about all the types of noise we have been talking about that you hear at home.

Taken together, I would like you to look at the statements on the card and tell me which one best describes the extent to which noise spoils your home life?

[SHOWCARD 16]^{155}

- Totally
- Quite a lot
- A little
- Not very much
- Not at all
- Don’t know

---

^{154} Show card: Options in reverse order.

^{155} Show card: Options in reverse order.
O2 Over the past year, while in this home, have you been kept awake, or woken up, or changed the time when you go to bed or get up, because of any of these? Any others?\textsuperscript{156}

[SHOWCARD 17]

☐ Noise from within your home (e.g. babies, voices, music, snoring). \{1\}

☐ Noise from neighbours inside their homes, through your wall, ceiling or floor. \{2\}

☐ Noise from neighbours inside their homes, coming in through your windows. \{3\}

☐ Noise from outdoors. \{4\}

☐ Vibration (e.g. seeing, hearing or feeling windows or things in the house shaking or rattling). \{5\}

☐ Artificial light (e.g. from streetlamps, other buildings or headlights). \{6\}

☐ Other reasons to do with conditions outdoors (e.g. odours, wind, rain). \{7\}

☐ Being woken deliberately by another household member (e.g. children, partner).\{8\}

☐ Being too hot or cold. \{9\}

☐ Personal reasons (e.g. ill health, worry, bad dreams, using the bathroom). \{10\}

☐ Other (specify). \{11\}

\{Open text box. “Return” key can be used within the box.\}

☐ No\textsuperscript{157} \{12\}

{If Code 4, go to O3. If Codes 2 or 3, go to O4. Else go to O6.}

---

\textsuperscript{156} The phrase “Any others” was used if the interviewer was not sure whether the respondent had finished listing reasons.

\textsuperscript{157} The final response could not be combined with other responses and this option was not on the show card.
**O3** Are there any particular types of noise from outdoors that tend to keep you awake, wake you up or cause you to change the times when you go to bed or get up?\(^{158}\)

**[CODE FIRST THREE MENTIONED]**

- [ ] Aircraft- NIGHT FLIGHTS  
- [ ] Neighbours/others nearby IN GENERAL  
- [ ] Industrial sites  

- [ ] Aircraft – DAY FLIGHTS  
- [ ] Neighbours/others nearby SPECIFIC  
- [ ] Other commercial  

- [ ] Trains/station IN GENERAL  
- [ ] Sea, river or canal traffic  
- [ ] Forestry, farming or agriculture  

- [ ] Trains/station SPECIFIC  
- [ ] Building, construction, demolition, renovation or road works  
- [ ] Community buildings  
- [ ] Any other noise (WRITE IN)  

- [ ] Road Noise IN GENERAL  
- [ ] Sports  

- [ ] Road Noise SPECIFIC  
- [ ] Other entertainment or leisure  
- [ ] Nothing in particular\(^{159}\)  

(If no “SPECIFIC” source coded, go to O4.)

(If “Trains/stations SPECIFIC” coded at O3, ask:)

**O3A** What sort(s) of train/station noise?

- [ ] Express / InterCity / international (Eurostar) passenger trains  
- [ ] Goods / freight trains  
- [ ] Local trains  
- [ ] Other/unknown type of train  
- [ ] Stations (loudspeakers, etc.)  
- [ ] Goods yards (shunting, freight handling etc.)  
- [ ] Railway / track maintenance  
- [ ] Train horns  
- [ ] Rail squeal  
- [ ] Unknown/Other types of railway noise

---

\(^{158}\) Multi-code but with a maximum of three items coded. Both the general and the specific code for a given noise type could be used. There was no show card for O3 or O3a/b/c.

\(^{159}\) Could not be combined with other codes.
If “Road noise – SPECIFIC” coded at O3, ask:

O3B What sort(s) of road noise?

☐ Motorways

☐ Other dual carriageway roads

☐ Single carriageway main roads

☐ Residential / estate roads / country lanes

☐ Any other kind of road (write in)

☐ Heavy lorries

☐ Smaller lorries

☐ Delivery vans / milk floats/ice cream vans

☐ Buses / coaches

☐ Private cars / taxis

☐ Motor bikes / scooters

☐ Refuse collection/recycling vehicles

☐ Any other kind of vehicle (write in)

☐ Vehicles starting / stopping / ticking over (at traffic lights, crossings, etc.)

☐ Engine revving

☐ Air brakes

☐ Brake squeal

☐ Vehicles accelerating / going too fast

☐ Car alarms / vehicle reversing signals

☐ Police / other sirens

☐ Noise caused by irregularities in the road surface, man-hole covers, traffic calming, etc
☐ Music from vehicles

☐ Vehicle horns

☐ Any other kind of noise from road vehicles (write in)

{Single-line open text box – text scrolls along if too long for box.}

{If “Neighbours/others nearby – SPECIFIC” coded at O3, ask:}

**O3C What sort(s) of noise from neighbours/others nearby?**

☐ Radio, TV, music

☐ Children

☐ Teenagers' or adults' voices

☐ Parties held indoors

☐ Parties outdoors

☐ Dogs

☐ Other domestic animal/pets

☐ Footsteps

☐ Doors banging (either inside or outside doors)

☐ Domestic equipment (vacuum cleaners, washing machines, dishwashers, tumble dryers, etc.)

☐ Telephones ringing (inside or outside)

☐ Electric sockets switches

☐ DIY (hammering, drilling, etc.)

☐ Lawn mowers or other garden equipment

☐ Cars / motor cycles starting up / leaving or being repaired, etc

☐ People putting out bins/recycling

☐ Burglar alarms

☐ Neighbours’ fireworks

☐ Neighbours’ wind turbines, air conditioning units or heat pumps
☐ People making deliveries or collections nearby, e.g. the post, supermarkets, mail/online order goods

☐ Any other kind of noise from neighbours and/or other people nearby

{Single-line open text box – text scrolls along if too long for box.}

O4 And thinking specifically about noise from outdoors or from neighbouring homes, how often, on average, does it keep you awake, or wake you up? Is it...

[READ OUT AND CODE FIRST TO APPLY]

☐ Every day of the week

☐ Most days

☐ A few days a week

☐ At least once a week

☐ At least once a month

☐ A few times a year

☐ Never

☐ (Can’t say)

O5 Do you do any of these things to try to avoid your sleep being disturbed by noise from outside or from neighbouring homes?

[SHOWCARD 18]¹⁶⁰

☐ Use earplugs.

☐ Use sleeping pills.

☐ Go to bed earlier/later.

☐ Plan to get up earlier/later.

☐ Sleep in a different room.

☐ Keep the window closed.

¹⁶⁰ Show card: Full stops not used.
☐ Complain or do something else to stop the noise.

☐ Other (specify).\(^{161}\)

{Single-line open text box – text scrolls along if too long for box.}

☐ None of these\(^{162}\)

O6 Thinking now about the whole home, not just the bedroom, do you ever close the windows, or keep the windows closed for any of these reasons? [IF Yes -] Which?

[SHOWCARD 19]\(^{163}\)

☐ Noise coming in through the window.

☐ To keep warm or save energy.

☐ Other reasons to do with conditions outdoors (e.g. smoke, odours, wind, rain).

☐ Security.

☐ Safety (e.g. to prevent children falling out).

☐ To keep pets in.

☐ To keep animals/insects/pests out.

☐ Habit/preference for no particular reason.

☐ Other (specify).\(^{164}\)

{Single-line open text box – text scrolls along if too long for box.}

☐ None of these\(^{165}\)

---

\(^{161}\) Show card: Other (please specify).

\(^{162}\) This code was not on the show card and could not be used with others.

\(^{163}\) Show card: Full stops not used.

\(^{164}\) Show card: Other (please specify)

\(^{165}\) This code was not on the show card and could not be used with others.
O7 Are there ever times when you’d rather have windows anywhere in your home open for any of the reasons on this card, but you have to have them closed to keep out noise?
[IF yes -] Why would you rather have them open?

[SHOWCARD 20] \(^{166}\)

- To keep cool.
- To avoid condensation.
- For fresh air / to prevent odour.
- To talk to someone or hear what is happening outside.
- Habit/preference for no particular reason.
- Other (specify). \(^{167}\)

{Single-line open text box – text scrolls along if too long for box.}

- No, none of these \(^{168}\)

O8a I would like you now to think about all the different types of noise we’ve been talking about.

Have you or anyone in your household ever done any of the things on this card about an issue to do with noise whilst living in this home, within the last 5 years?

[SHOWCARD 21] \(^{169}\)

- Yes, at least one of these {GO TO O9B.}
- No, none of these {GO TO filter before O10.}

\(^{166}\) Show card: Full stops not used.

\(^{167}\) Show card: Other (please specify).

\(^{168}\) This code was not on the show card and could not be used with others.

\(^{169}\) The show card was a list of things the respondent might have done, as in question O8, not the two response options shown here.
O9B Which types of noise were an issue that either you, or someone else in your household, did something about?

[SHOWCARD 22]^{170}

☐ Road traffic
☐ Neighbours (inside their homes)
☐ Neighbours (outside their homes)
☐ Other people nearby
☐ Trains or railway stations
☐ Aircraft/airports
☐ Sea, river or canal traffic
☐ Building, construction, demolition, renovation or road works
☐ Sports
☐ Other entertainment or leisure
☐ Industrial sites
☐ Other commercial premises
☐ Forestry, farming or agriculture
☐ Community buildings
☐ Any other noise

{If yes to “Any other noise”, ask O9a. Else go to filter before O9e.}

O9a What was the other noise that you had an issue with and did something about?

[If more than one source of noise mentioned ask:]*

Which noise bothered, annoyed or disturbed you the most?

{Open text box. “Return” key can be used within the box.}

^{170} Show card: The noise types were shown in a different order, to create an efficient layout (in two columns).
{If Aircraft noise, Road traffic noise, Railway noise OR Neighbour noise at O9B, ask O9e. Else go to filter before O10.}

{If “Aircraft/airports” coded at O9B:}

**O9e Which of these types of noise did you do something about?**

[SHOWCARD: 23]

[CODE ALL THAT APPLY]

- [ ] Commercial airliners
- [ ] Private light aircraft
- [ ] Microlight aircraft / powered gliders
- [ ] Helicopters – private/commercial including police helicopters and air ambulances
- [ ] Any other kind of non-military aircraft\(^{171}\)
- [ ] Fighters / fighter-bombers\(^{172}\)
- [ ] Military helicopters\(^{173}\)
- [ ] Any other kind of military aircraft\(^{174}\)
- [ ] Helicopters - unknown if non-military or military
- [ ] Unknown aircraft type

---

\(^{171}\) The specific kind was not requested.

\(^{172}\) Show card: Fighters/fighter-bombers

\(^{173}\) Show card: Helicopters – military

\(^{174}\) The specific kind was not requested.
{If “Trains or railway stations” coded at O9B:}

O9e Which of these types of noise did you do something about?

[SHOWCARD 25]

[CODE ALL THAT APPLY]

☐ Express / InterCity / international (Eurostar) passenger trains

☐ Goods / freight trains

☐ Local trains

☐ Other/unknown type of train

☐ Stations (loudspeakers, etc.)

☐ Goods yards (shunting, freight handling etc.)

☐ Railway / track maintenance

☐ Train horns

☐ Rail squeal

☐ Unknown or other types of railway noise

{If “Road traffic” coded at O9B:}

O9e Which of these types of noise did you do something about?

[SHOWCARD 24]

[CODE ALL THAT APPLY]

☐ Motorways

☐ Other dual carriageway roads

☐ Single carriageway main roads

175 Show card: The noise types were shown in a different order, to create an efficient layout (in two columns).

176 Show card: Express / InterCity / International (Eurostar) passenger trains

177 Show card: Goods/freight trains

178 Show card: Other or unknown train type. The specific type was not requested.

179 Show card: Railway/track maintenance

180 Show card: Other or unknown types of railway noise. The specific type was not requested.
- Residential/estate roads/country lanes
- Any other kind of road
  {Single-line open text box – text scrolls along if too long for box.}
- Heavy lorries
- Smaller lorries
- Delivery vans / milk floats/ice cream vans
- Buses / coaches
- Private cars / taxis
- Motor bikes / scooters
- Refuse collection/recycling vehicles
- Any other kind of vehicle
  {Single-line open text box – text scrolls along if too long for box.}
- Vehicles starting / stopping / ticking over (at traffic lights, crossings, etc.)
- Engine revving
- Air brakes
- Brake squeal
- Vehicles accelerating / going too fast
- Car alarms / vehicle reversing signals
- Police / other sirens

---

181 Show card: Residential/estate roads / country lanes
182 Show card: Delivery vans / milk floats / ice cream vans
183 Show card: Buses/coaches
184 Show card: Motorbikes/scooters
185 Show card: Refuse/recycling collection vehicles
186 Show card: Police/other sirens
Noise caused by irregularities in the road surface, man-hole covers, traffic calming, etc.\(^{187}\)

Music from vehicles

Vehicle horns

Any other kind of noise from road vehicles

{Single-line open text box – text scrolls along if too long for box.}

{If “Neighbours (inside their homes)”, “Neighbours (outside their homes)” or “Other people nearby” coded at O9B:}

**O9e Which of these types of noise did you do something about?**

[SHOWCARD 26]\(^{188}\)

[CODE ALL THAT APPLY]

- Radio, TV, music
- Children
- Teenagers’ or adults’ voices
- Parties held indoors
- Parties held outdoors
- Dogs
- Other domestic animal/pets\(^{189}\)
- Footsteps
- Doors banging (either outside or inside doors)
- Domestic equipment (vacuum cleaners, washing machines, dishwashers, tumble dryers, etc.)
- Telephones ringing (inside or outside)

---

\(^{187}\) Show card: Noise caused by irregularities in the road surface, man-hole covers, traffic calming, etc. Placed after “Vehicle horns”.

\(^{188}\) Show card: The noise types were shown in a different order, to create an efficient layout (in three columns).

\(^{189}\) Show card: Other domestic animals/pets
☐ Electric sockets/switches
☐ DIY (hammering, drilling, etc.)
☐ Lawn mowers or other garden equipment
☐ Cars / motor cycles starting up / leaving or being repaired, etc.
☐ People putting out bins/recycling
☐ Burglar alarms
☐ Neighbours’ fireworks
☐ Neighbours’ wind turbines, air conditioning units or heat pumps
☐ People making deliveries or collections nearby, e.g. the post, supermarkets, mail/online order goods
☐ Any other kind of noise from neighbours and/or other people nearby

{Single-line open text box – text scrolls along if too long for box.}

{If any noise type coded as “Very annoyed” or “Extremely annoyed” at A9 and not mentioned at O8a or any iteration of O9B, ask O10 (unless O10 has already been asked). Others go to O8 if any noise mentioned at O9B, else go to O14.}

O10 You said earlier that you have been annoyed by the following noises.

Can I just check that you didn’t take any of the actions on this card about that noise? Please only tell us about actions that you have undertaken in relation to your current home that occurred within the past 5 years?

---

190 Show card: D.I.Y. (hammering, drilling, etc.)
191 Show card: Cars / motor cycles starting up / leaving or being repaired, etc.
192 Show card: Putting out bins or recycling
193 Show card: Neighbours’ wind turbines, air conditioning or heat pumps
194 Managed in CAPI by repeating the O9e questions after O10, relabelled XO9e. XO9e was used for any noise sources introduced at O10.
[READ OUT]

<table>
<thead>
<tr>
<th>Noise type from A9</th>
<th>No, didn’t take action</th>
<th>Yes, took action</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>

{If “Yes, took action” at O10 for Aircraft noise, Road traffic noise, Railway noise or Neighbour noise, ask O9e. If other type of noise or did not take action for Aircraft noise, Road traffic noise, Railway noise or Neighbour noise at O10 then go to instruction above O8.}

{Ask O8 for each noise mentioned at O9B/O9a/O9e or “Yes, took action” at 010. If no noise mentioned at either O9B or O10, go to O14.}

O8 - Which things on this card have you or anyone else in your household done about the noise from {{{Noise source from O9B/O9a/O9e}}}?

[SHOWCARD 21]

[CODE ALL THAT APPLY]

☐ Spoke or wrote directly to the person(s) or organisation making the noise

☐ Complained to the police

☐ Complained to the Environmental Health Department in the Local Authority (Council)

☐ Complained to another Local Authority (Council) Department

☐ Complained to the landlord of the person(s) making the noise (this might be a private landlord, Housing Department, Housing Association or other landlord)

☐ Complained to a Government Department

☐ Contacted an MP or councillor

☐ Contacted the Citizens Advice Bureau or another advice organisation

☐ Took legal advice / action

☐ Started, signed or joined a campaign or petition

---

195 The number of rows in the table varied to match the number of noise types to be checked.

196 There was a misplaced “WRITE IN” at the end of this question for “Any other kind of non-military aircraft”.

197 Show card: Took legal advice/action
☐ Installed double glazing

☐ Did something else to keep the noise out

☐ Did something else to reduce or eliminate the noise (please specify)

{Single-line open text box – text scrolls along if too long for box.}

☐ None of these

{For each noise source asked about at O8, ask O9f about each action taken at O8.}

(O)9f - Regarding the noise from {{Noise source from O9B/O9a/O9e}}, how effective was it when you {{Action from O8}}?

[READ OUT]

[INTERVIEWER NOTE – IF MULTIPLE CONTACT ABOUT EXACTLY THE SAME ISSUE CODE FINAL EFFECTIVENESS]

☐ Very effective

☐ Slightly effective

☐ Or not effective at all

☐ (Don’t know)

O14 Is there anything else you would like to say about noise in and around your home?

{Write in or code “Nothing”.

{Open text box. “Return” key can be used within the box.}

☐ Nothing.

---

198 Other responses could not be combined with “None of these” and this code was not on the show card.
Each of these cards shows a different problem, other than noise, that some people have with their local environment. Would you please pick up to five that you personally think are the worst problems with the environment for people around here?

{Allow up to five answers to be coded.}

- A Chemicals put into a river and/or the sea
- B Sewage on the beaches or in bathing water
- C Loss of habitats for plants and/or animals
- D Poor quality drinking water
- E Use of insecticides and/or fertilisers
- F Traffic congestion
- G Flooding
- H High winds causing damage
- I Losing green belt land
- J Losing other green spaces
- K Unfit housing
- L Air pollution from local industry/agriculture
- M Dust and dirt
- N Smells
- O Litter and/or rubbish
- P Lack of quiet public spaces
- Q Pests
- R Traffic exhaust fumes and/or urban smog
- S Damage or annoyance caused by vibration
☐ T Too much light from streetlights, floodlights, security lights, shops, etc.\textsuperscript{199}

☐ U Fouling by dogs

☐ V Not enough recycling

☐ \textbf{None}\textsuperscript{200}

☐ \textbf{Don’t know}\textsuperscript{201}

\textbf{O12} Have you or anyone else in the household, ever taken any of the actions on this card about any of these issues within the past 5 years? Which issues?

[SHOWCARD 28]\textsuperscript{202}

☐ \{Insert answers from O11 in response list\}

☐ \textbf{None of these}\textsuperscript{203}

\{Ask O13 for actions taken about: “Dust and dirt”; “Smells”; “Litter and/or rubbish”; “Pests”; “Damage or annoyance caused by vibration”; “Too much light from streetlights, floodlights, security lights, shops, etc.”; and “Fouling by dogs”. If none of these coded at O12, go to O16.\}

\{New screen.\}

\textsuperscript{199} Show card: Too much light from streetlights, floodlights, security lights, shops etc

\textsuperscript{200} This code could not be used with others.

\textsuperscript{201} This code could not be used with others.

\textsuperscript{202} The show card is a list of actions.

\textsuperscript{203} This code could not be used with others.
Which of these actions did you take about {{Environment issue}}?

[CODE ALL THAT APPLY]

☐ Spoke or wrote directly to the person(s) or organisation causing the problem

☐ Complained to the police

☐ Complained to the Environmental Health Department in the Local Authority (Council)

☐ Complained to another Local Authority (Council) Department

☐ Complained to the landlord of the person(s) causing the problem (this might be a private landlord, Housing Department, Housing Association or other landlord)

☐ Complained to a Government Department

☐ Contacted an MP or councillor

☐ Contacted the Citizens Advice Bureau or another advice organisation

☐ Took legal advice / action

☐ Started, signed or joined a campaign or petition

☐ Made a change to your home

☐ Took other action (specify)

{Single-line open text box – text scrolls along if too long for box.}

{Ask O13a for each action taken at O13 about each environmental issue.}

O13a Overall how effective was it when you {{Action taken at O13}}?

☐ Very effective

☐ Slightly effective

☐ Or not effective at all

☐ (Don’t know)

---

204 Show card: Took legal advice/action

205 Show card: Took other action (please specify)
We have talked a lot about noise as a problem.

The next few questions are about another way of looking at this – how you find places for peace and quiet.

In all these questions, try to think about your experience over the past 12 months, not just more recent experience.

O16 Do you ever visit outdoor places in order to find somewhere peaceful or quiet, for example, a park, country area or some other open space?

[Prompt]

[Multi-code]

☐ Yes - Park {1}

☐ Yes - Country area {2}

☐ Yes- Other open/outdoor space (Write in) {3}

☐ Mentioned a town or urban area {4}

☐ Mentioned an indoor space (e.g. library, place of worship) {5}

☐ Not applicable: no noise to get away from206 {6}

☐ No – other/no reason207 {7}

{If any outdoor place at O16 (Codes 1-3), ask O17. If not, go to O19.}

206 This code could not be used with others.

207 This code could not be used with others.
O17 How often do you visit an outdoor place in order to find peace and quiet?
- Every day
- Most days
- A few days a week
- At least once a week
- At least once a month
- A few times a year
- Less often
- (Don’t know)

{If “Don’t know”, go to O19.}

O18 How long does it take you to get to the quiet outdoor place you visit most often, starting from your home?
- Right outside the home (but not own garden/balcony/terrace)
- Less than 10 minutes
- 10 minutes but less than half an hour
- Half an hour but less than an hour
- An hour but less than two hours
- Two hours or more

O19 Would you like to visit outdoor quiet places {{more often / at all}}? {If Codes 1-3 at O16, enter “more often” in text. If codes 4 to 7 at O16, say ‘at all’.
[If Yes, probe] Would you rather go a bit more often or a lot more often?
- No
- Yes – would prefer to go a bit more often
- Yes – would prefer to go a lot more often

{If “No” at O19 go to Section H. Else ask O20.}
**O20** Is there a particular reason why you do not visit quiet outdoor places *(more often)*? {If Codes 1-3 at O16, enter “more often” in text.}

[CODE ALL THAT APPLY]

- Don’t have time
- Too expensive to get there
- Difficult to get there
- Too far to go/nowhere nearby
- Don’t have transport
- No-one to go with
- Not enough places like that
- Don’t know anywhere to go
- Other (WRITE IN)

{Single-line open text box – text scrolls along if too long for box.}

Don’t know/no reason\(^{208}\)

\(^{208}\) This code could not be used with others.
V1.A5.9 Section H – Household Information

I would like to finish by asking you a few questions about this home and your household.

H1 Are all of your windows double glazed, only some of them, or none of them?

[INCLUDE SECONDARY DOUBLE GLAZING AND TRIPLE GLAZING]

○ All
○ Some
○ None

H4 In what year was your home originally built?

[PROMPT IF NECESSARY]

○ Before 1919
○ 1919 - 1940
○ 1941 - 1960
○ 1961 - 1990
○ 1991 – 2000
○ 2001 - 2010
○ 2011 - 2012
○ Don’t know

H5 [INTERVIEWER ESTIMATE AGE OF BUILDING]

○ Before 1919
○ 1919 - 1940
○ 1941 - 1960
○ 1961 - 1990
○ 1991 – 2000
2001 - 2010
2011 - 2012
Don’t know

**H6 Which of these applies to your home?**

[SHOW CARD 29]
- Being bought on a mortgage
- Owned outright by household
- Rented from local authority
- Rented from housing association
- Rented from private landlord
- Shared ownership
- Other
- Refused

**H12 Which of these age groups are you in?**

[SHOWCARD 30]
- 16 - 17 years
- 18 – 19 years
- 20 - 24 years
- 25 - 34 years
- 35 - 44 years
- 45 - 54 years
- 55 - 64 years

---

209 Not on show card.
210 Show card: All en rules (–) rather than hyphens (-).
65 - 74 years
75 years or older
Refused

H13 [INTERVIEWER CODE RESPONDENT GENDER]

Male
Female

H14 Are there any other people in your household in any of these age groups?
How many in that age group?

[SHOWCARD 31]

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Under 1</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>1–4 years</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>5–10 years</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>11–15 years</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>16-17 years</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>18–19 years</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>20-24 years</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>25-34 years</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>35-44 years</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>45-54 years</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>55-64 years</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>65-74 years</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>75 years or older</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
</tbody>
</table>

{If H14 left blank:}

---

211 Not on show card.
212 Single code for each age group.
213 Show card: All en rules (–) rather than hyphens (–).
{New screen.}
[Interviewer check – is there really no-one else living in the household?]
○ Correct - No one else in the household
○ Correct - but refused ages
○ Incorrect - there is someone else in household (Go back to amend) {Go to H14.}

**H15 Which of these best describes your current situation?**

[SHOWCARD 32]
○ Working full time (30 hours a week or more)
○ Working part time
○ Unemployed and looking for work
○ Retired from paid work altogether
○ In full-time education
○ Looking after the home or family
○ Something else
○ refused\(^{214}\)

{If working full or part time, ask H15a. Otherwise go to H17.}

**H15A Do you ever work at home?**
○ Yes
○ No

{If “Yes” at H15a, ask H15b. Otherwise go to H16.}

\(^{214}\) Not on show card.
H15B  How many days in a typical week do you work at home?
• Less than 1
• 1
• 2
• 3
• 4
• 5
• 6
• 7
• Varies
• Don’t know

H16  Do you ever work night shifts?
[If Yes Probe for frequency]
• No, never
• Yes, all the time
• Yes, equally with day shifts
• Yes, but less often than day shifts
• Yes, but only in special circumstances
I would now like to ask you about the member of your household, who is the Chief Income Earner, that is the person with the largest income, whether from employment, pensions, state benefits, investments or any other source. Are they/you....

[Please ask and enter the occupation details for the Chief Income Earner]*

- Working
- Retired/Not working with private pension/means
- Unemployed less than 6 months
- Unemployed more than 6 months
- Retired with STATE BENEFIT/PENSION ONLY
- Not working with STATE BENEFIT ONLY
- Student

[New screen.]

[OCCUPATION OF CHIEF INCOME EARNER]

[Please ask and enter the occupation details for the Chief Income Earner]*

<table>
<thead>
<tr>
<th>Job Title:</th>
<th>{Single-line open text box – text scrolls along if too long for box.}</th>
</tr>
</thead>
<tbody>
<tr>
<td>Job Description:</td>
<td>{Open text box. “Return” key can be used within the box.}</td>
</tr>
<tr>
<td>Industry:</td>
<td>{Single-line open text box – text scrolls along if too long for box.}</td>
</tr>
<tr>
<td>Number employed at location:</td>
<td>{Single-line open text box – text scrolls along if too long for box.}</td>
</tr>
<tr>
<td>Qualifications:</td>
<td>{Single-line open text box – text scrolls along if too long for box.}</td>
</tr>
<tr>
<td>If Manager/Supervisor/Self-Employed, Number of People Responsible for:</td>
<td>{Single-line open text box – text scrolls along if too long for box.}</td>
</tr>
</tbody>
</table>

{New screen.}
Defra would like to combine the answers you have given with other information on noise.

To do this they would need to know your full address, and I need to ask your permission for us to include your address with the survey data.

I can guarantee that your address will only be used by Defra and people working on behalf of Defra, and will only be used to combine your answers with information about noise. Is it OK to include your address with the survey data or would you prefer not?

- Yes – can include address
- No – would prefer not

There are no plans at present for any follow-up interview to this survey, but if there were in future would you be prepared to take part in a further interview on similar topics for Defra?

Your address details may be passed on to Defra to be used by either themselves or another research organisation - they will only be used for research purposes

- Yes – prepared to take part
- No – would prefer not

215 Standard social group classification.
[INTERVIEWER RECORD] [-- Is respondent address exactly as given on Contact Sheet?]*

○ Yes
○ No

{New screen.}

[INTERVIEWER: ENTER NAME, ADDRESS216 AND TELEPHONE DETAILS, EXPLAIN TO RESPONDENT THAT WE ASK FOR PHONE NUMBER SO THAT A CERTAIN PERCENTAGE OF INTERVIEWS CAN BE CHECKED - EXPLAIN THAT IF THEY DO NOT WANT TO BE CALLED FOR FURTHER RESEARCH BY NOP THIS NUMBER WILL NOT BE PASSED ON TO OTHER NOP RESEARCHERS. ENSURE YOU WRITE IN THE FULL ADDRESS AND POSTCODE (THIS IS ON YOUR SAMPLE LIST)]

<table>
<thead>
<tr>
<th>Title:</th>
<th>{Drop-down: Mr / Mrs / Miss / Ms}</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name:</td>
<td>{Single-line open text box – text scrolls along if too long for box.}</td>
</tr>
<tr>
<td>House Number or Name:</td>
<td>{Single-line open text box – text scrolls along if too long for box.}</td>
</tr>
<tr>
<td>Address2:</td>
<td>{Single-line open text box – text scrolls along if too long for box.}</td>
</tr>
<tr>
<td>Address3:</td>
<td>{Single-line open text box – text scrolls along if too long for box.}</td>
</tr>
<tr>
<td>Address4:</td>
<td>{Single-line open text box – text scrolls along if too long for box.}</td>
</tr>
<tr>
<td>Address5:</td>
<td>{Single-line open text box – text scrolls along if too long for box.}</td>
</tr>
<tr>
<td>Postcode</td>
<td>{Single-line open text box – text scrolls along if too long for box.}</td>
</tr>
<tr>
<td>Phone number:</td>
<td>{Single-line open text box – text scrolls along if too long for box.}</td>
</tr>
<tr>
<td>Phone type:</td>
<td>{Drop-down: Home / Mobile / Ex-directory / Refused}</td>
</tr>
</tbody>
</table>

216 Space to write in address not shown unless answer “No” to previous item.
**H20** If we needed to check anything about any of your answers would it be alright if we contacted you again?

- Yes
- No

[READ OUT]

*The interview has now finished; thank you very much for your help.*

[INTERVIEWER: Hand respondent the Thank-you Leaflet and point out the GfK NOP contact details]

[CLOSE INTERVIEW]*

{New screen.}
V1.A5.10 Section I – Interviewer Assessment

[INTERVIEWER COMPLETE THIS SECTION AS SOON AS POSSIBLE AFTER LEAVING THE HOUSEHOLD]

{New screen.}

(I1) [Was the respondent hard of hearing?]

○ Yes, quite a lot

○ Yes, but only a bit

○ No, not at all

(I2) [While you were in the home or immediately outside it, was there noticeable noise from outside the home from any of the following?]

[NOTE: Ignore any noise from within respondent's home.]

[CODE ALL THAT APPLY]

☐ Aircraft/airports/airfields

☐ Trains or railway stations

☐ Trams

☐ Road traffic

☐ Sea, river or canal traffic

☐ Building, construction, demolition, renovation or road works

☐ Neighbours (inside their homes)

☐ Neighbours (outside their homes)

☐ Other people nearby

☐ Pets, e.g. dogs barking

☐ Sports

☐ Other entertainment or leisure
☐ Industrial sites
☐ Other commercial premises
☐ Forestry, farming or agriculture
☐ Community buildings
☐ Large wind turbines / wind farms
☐ Small-scale renewable energy production (e.g. small wind turbines, heat pumps) or air conditioning
☐ Any other noise (specify)

{Single-line open text box – text scrolls along if too long for box.}

☐ No noticeable noise \(^{217}\)

I3 [Is this dwelling either located (a) on, or (b) not on, but within half a mile of any of the following?] \(^{218}\)

<table>
<thead>
<tr>
<th></th>
<th>Located on</th>
<th>Not on but within half mile</th>
<th>Neither of these</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motorway</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Other dual carriageway road</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Single carriageway main road</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Residential/estate road</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Country lane</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>

I4 [Is this dwelling located in: ]*

☐ The centre of a large city
☐ Suburbs / outskirts of a large city
☐ A large town or small city
☐ In a country village / small town
☐ In the countryside

\(^{217}\) This code could not be used with others.
\(^{218}\) Single code for each road type.
I5 [Is this dwelling in an area that is…]*

○ Mainly residential
○ Mixed residential/commercial (offices/shops, etc)
○ Mixed residential/industrial (factories, etc.)
○ Mostly commercial/industrial with some residential
○ Mixed residential/countryside
○ Mostly countryside

I6 [Is this dwelling within 30 yards of…]*

☐ Traffic lights
☐ A road junction
☐ A roundabout
☐ A zebra crossing (no traffic lights / pedestrian lights)
☐ A pelican crossing (with traffic lights / pedestrian lights)
☐ None of these$^{219}$

(I7) [Interview was conducted in: English/Welsh]*

○ English
○ Welsh

[ENTER YOUR ID NUMBER:]*

{Single-line open text box – text scrolls along if too long for box.}

$^{219}$ This code could not be used with others.
[ENTER YOUR AREA CODE:]

O S
O Y
O E
O W
O L
O I
O MB

{New screen: session start and end time recorded.}
Appendix V1.A6  The NNAS2012 Interview Show Cards and Sort Cards

V1.A6.1 Main Show Cards
CARD 1

Definitely like = 1

2

3

4

5

6

Definitely don’t like = 7
N.B. There are 12 variations of CARD 2 as follows, with noise in a different position on each card.
CARD 2

Noise

Chemicals put into the rivers and/or seas
Sewage on beaches or in the bathing water
Loss of plant life and/or animal life
Quality of drinking water
Use of insecticides and/or fertilisers
Losing green belt land
Litter & rubbish
Traffic exhaust fumes & urban smog
Fouling by dogs
Using up of natural resources
Not enough recycling
CARD 2

Chemicals put into the rivers and/or seas
Noise
Sewage on beaches or in the bathing water
Loss of plant life and/or animal life
Quality of drinking water
Use of insecticides and/or fertilisers
Losing green belt land
Litter & rubbish
Traffic exhaust fumes & urban smog
Fouling by dogs
Using up of natural resources
Not enough recycling
CARD 2

Chemicals put into the rivers and/or seas
Sewage on beaches or in the bathing water
Noise
Loss of plant life and/or animal life
Quality of drinking water
Use of insecticides and/or fertilisers
Losing green belt land
Litter & rubbish
Traffic exhaust fumes & urban smog
Fouling by dogs
Using up of natural resources
Not enough recycling
Chemicals put into the rivers and/or seas
Sewage on beaches or in the bathing water
Loss of plant life and/or animal life
Noise
Quality of drinking water
Use of insecticides and/or fertilisers
Losing green belt land
Litter & rubbish
Traffic exhaust fumes & urban smog
Fouling by dogs
Using up of natural resources
Not enough recycling
Chemicals put into the rivers and/or seas
Sewage on beaches or in the bathing water
Loss of plant life and/or animal life
Quality of drinking water
Noise
Use of insecticides and/or fertilisers
Losing green belt land
Litter & rubbish
Traffic exhaust fumes & urban smog
Fouling by dogs
Using up of natural resources
Not enough recycling
CARD 2

Chemicals put into the rivers and/or seas
Sewage on beaches or in the bathing water
Loss of plant life and/or animal life
Quality of drinking water
Use of insecticides and/or fertilisers
Noise
Losing green belt land
Litter & rubbish
Traffic exhaust fumes & urban smog
Fouling by dogs
Using up of natural resources
Not enough recycling
CARD 2

Chemicals put into the rivers and/or seas
Sewage on beaches or in the bathing water
Loss of plant life and/or animal life
Quality of drinking water
Use of insecticides and/or fertilisers
Losing green belt land
Noise
Litter & rubbish
Traffic exhaust fumes & urban smog
Fouling by dogs
Using up of natural resources
Not enough recycling
CARD 2

Chemicals put into the rivers and/or seas
Sewage on beaches or in the bathing water
Loss of plant life and/or animal life
Quality of drinking water
Use of insecticides and/or fertilisers
Losing green belt land
Litter & rubbish
Noise
Traffic exhaust fumes & urban smog
Fouling by dogs
Using up of natural resources
Not enough recycling
CARD 2

Chemicals put into the rivers and/or seas
Sewage on beaches or in the bathing water
Loss of plant life and/or animal life
Quality of drinking water
Use of insecticides and/or fertilisers
Losing green belt land
Litter & rubbish
Traffic exhaust fumes & urban smog
Noise
Fouling by dogs
Using up of natural resources
Not enough recycling
CARD 2

Chemicals put into the rivers and/or seas
Sewage on beaches or in the bathing water
Loss of plant life and/or animal life
Quality of drinking water
Use of insecticides and/or fertilisers
Losing green belt land
Litter & rubbish
Traffic exhaust fumes & urban smog
Fouling by dogs
Noise

Using up of natural resources
Not enough recycling
CARD 2

Chemicals put into the rivers and/or seas
Sewage on beaches or in the bathing water
Loss of plant life and/or animal life
Quality of drinking water
Use of insecticides and/or fertilisers
Losing green belt land
Litter & rubbish
Traffic exhaust fumes & urban smog
Fouling by dogs
Using up of natural resources
Noise
Not enough recycling
CARD 2

Chemicals put into the rivers and/or seas
Sewage on beaches or in the bathing water
  Loss of plant life and/or animal life
  Quality of drinking water
Use of insecticides and/or fertilisers
  Losing green belt land
Litter & rubbish
  Traffic exhaust fumes & urban smog
Fouling by dogs
Using up of natural resources
  Not enough recycling
Noise
CARD 3

Definitely like =

1
2
3
4
5
6

Definitely don’t like =

7
CARD 4

Not at all sensitive = 1

2

3

4

5

6

Very sensitive = 7
CARD 5A

AIRCRAFT, AIRPORTS AND AIRFIELDS

Commercial airliners
Private light aircraft
Microlight aircraft / powered gliders
Private/commercial/police/ambulance helicopters
Non-military aircraft (other or unknown type)
Fighters/fighter-bombers
Military helicopters
Military aircraft (other or unknown type)

But NOT model aircraft

NOT AT ALL  A LITTLE  MODERATELY  VERY  EXTREMELY

A6-18
CARD 5B

**TRAINS OR RAILWAY STATIONS**

- Express / InterCity / international (Eurostar) passenger trains
- Goods/freight trains
- Goods yards (shunting, freight handling, etc.)
- Stations – loudspeakers
- Local trains
- Railway/track maintenance

**NOT AT ALL**   **A LITTLE**   **MODERATELY**   **VERY**   **EXTREMELY**
# CARD 5C

## ROAD TRAFFIC

<table>
<thead>
<tr>
<th>Road Type</th>
<th>Noise Sources</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motorways</td>
<td>Delivery vans, Buses/coaches, Private cars / taxis, Motorbikes/scooters</td>
</tr>
<tr>
<td>Other dual carriageway roads</td>
<td>Refuse/recycling collection vehicles, Vehicles starting, Vehicles stopping</td>
</tr>
<tr>
<td>Single carriageway main roads</td>
<td>Vehicles ticking over, Engine revving</td>
</tr>
<tr>
<td>Residential/estate roads</td>
<td>Air brakes, Brake squeal, Vehicles accelerating, Vehicles going too fast</td>
</tr>
<tr>
<td>Country lanes</td>
<td>Car alarms, Vehicle reversing signals, Police/other sirens</td>
</tr>
<tr>
<td>Heavy lorries</td>
<td>Music from vehicles, Vehicle horns</td>
</tr>
<tr>
<td>Smaller lorries</td>
<td>Noise caused by irregularities in the road surface, man-hole covers, traffic</td>
</tr>
<tr>
<td>Ice cream vans</td>
<td>calming, etc.</td>
</tr>
<tr>
<td>Milk floats</td>
<td></td>
</tr>
</tbody>
</table>

**NOT AT ALL  A LITTLE  MODERATELY  VERY  EXTREMELY**
CARD 5D

SEA, RIVER OR CANAL TRAFFIC

Boats, ships, docks

NOT water sports

NOT AT ALL  A LITTLE  MODERATELY  VERY  EXTREMELY
CARD 5E

BUILDING, CONSTRUCTION, DEMOLITION, RENOVATION OR ROAD WORKS

NOT AT ALL   A LITTLE   MODERATELY   VERY   EXTREMELY
### NEIGHBOURS (inside their homes)

<table>
<thead>
<tr>
<th>Indoor Sounds</th>
<th>Outdoor Sounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radio, TV, music</td>
<td>Footsteps</td>
</tr>
<tr>
<td>Children</td>
<td>Inside/outside doors banging</td>
</tr>
<tr>
<td>Teenagers' or adults’ voices</td>
<td>Domestic equipment</td>
</tr>
<tr>
<td>Parties – indoors</td>
<td>Telephones ringing</td>
</tr>
<tr>
<td>Dogs</td>
<td>Electric sockets/switches</td>
</tr>
<tr>
<td>Other animals</td>
<td>D.I.Y. – hammering, drilling, etc.</td>
</tr>
<tr>
<td></td>
<td>Burglar alarms</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Perceived Disturbance Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOT AT ALL</td>
</tr>
<tr>
<td>A LITTLE</td>
</tr>
<tr>
<td>MODERATELY</td>
</tr>
<tr>
<td>VERY</td>
</tr>
<tr>
<td>EXTREMELY</td>
</tr>
</tbody>
</table>
## CARD 5G

### NEIGHBOURS (outside their homes)

<table>
<thead>
<tr>
<th>Source of Noise</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radio, music</td>
<td>Inside/outside doors banging</td>
</tr>
<tr>
<td>Children</td>
<td>D.I.Y. – hammering, drilling, etc.</td>
</tr>
<tr>
<td>Teenagers’ or adults’ voices</td>
<td>Burglar alarms</td>
</tr>
<tr>
<td>Parties – outdoors</td>
<td>Telephones ringing</td>
</tr>
<tr>
<td>Dogs</td>
<td>Lawn mowers / garden equipment</td>
</tr>
<tr>
<td>Other animals</td>
<td>Neighbours’ fireworks</td>
</tr>
<tr>
<td>Footsteps</td>
<td>Cars/motorcycles starting up / leaving</td>
</tr>
<tr>
<td></td>
<td>Repairs to cars/ motorcycles</td>
</tr>
<tr>
<td></td>
<td>Putting out bins / recycling</td>
</tr>
<tr>
<td></td>
<td>Neighbours’ wind turbines / heat pumps / air conditioning</td>
</tr>
</tbody>
</table>

### Notation

<table>
<thead>
<tr>
<th>Intensity</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not at all</td>
<td></td>
</tr>
<tr>
<td>A little</td>
<td></td>
</tr>
<tr>
<td>Moderately</td>
<td></td>
</tr>
<tr>
<td>Very</td>
<td></td>
</tr>
<tr>
<td>Extremely</td>
<td></td>
</tr>
</tbody>
</table>
CARD 5H

OTHER PEOPLE NEARBY

When they are nearby outdoors, including people making deliveries or collections nearby.

NOT AT ALL   A LITTLE   MODERATELY   VERY   EXTREMELY
For example, football matches, shooting, playing fields, model aircraft, racing, water sports, etc.
CARD 5J

OTHER ENTERTAINMENT OR LEISURE

For example, discos, clubs, halls, fairgrounds, hot air balloons, pubs, restaurants, take-aways.

NOT AT ALL   A LITTLE   MODERATELY   VERY   EXTREMELY
CARD 5K

INDUSTRIAL SITES

Factories
Works
Quarries
Mines
Scrapyards
Waste transfer stations
Car repair workshops

NOT AT ALL    A LITTLE    MODERATELY    VERY    EXTREMELY
OTHER COMMERCIAL PREMISES

For example, depots, petrol filing stations, superstores, shops, recycling sites.
CARD 5M

FORESTRY, FARMING OR AGRICULTURE

For example, tractors, farm machinery, tree felling, bird scarers, farm birds (e.g. cockerels, geese, turkeys) or other animals/livestock.
COMMUNITY BUILDINGS

For example, schools, hospitals, police stations, fire stations, churches, mosques.
CARD 5O

ANY OTHER NOISE

(please specify)

<table>
<thead>
<tr>
<th>NOT AT ALL</th>
<th>A LITTLE</th>
<th>MODERATELY</th>
<th>VERY</th>
<th>EXTREMELY</th>
</tr>
</thead>
</table>
CARD 6

Commercial airliners
Private light aircraft
Microlight aircraft / powered gliders
Private/commercial/police/ ambulance helicopters
Any other kind of non-military aircraft

Fighters/fighter-bombers
Military helicopters
Any other kind of military aircraft

Unknown aircraft type
CARD 8

Day (07:00 - 19:00)
(i.e. 7:00 a.m. to 7:00 p.m.)

Evening (19:00 - 23:00)
(i.e. 7:00 p.m. to 11:00 p.m.)

Night (23:00 - 07:00)
(i.e. 11:00 p.m. to 7:00 a.m.)
CARD 9

Not at all = 1

2

3

4

5

6

Very seriously = 7
CARD 10

Only hear it when indoors

Worse inside the home

About the same indoors and outdoors

Worse outside in the garden / on the balcony/terrace

Only hear it when outside
CARD 11

Inside a neighbour’s home (attached to yours, to the side or above or below)

Inside a neighbour’s home (not attached)

A garden

A garden shed, workshop, etc.

A nearby driveway or parking space

The street or an open space nearby

Other (please specify)
CARD 12

Definitely better = 1

2

3

4

Definitely worse = 5
CARD 13

Definitely yes = 1

2

3

4

Definitely no = 5
CARD 14

Not at all = 1

2

3

4

5

6

Very seriously = 7
CARD 15

Not at all

A little

A fair amount

A great deal

Completely
CARD 16

Not at all

Not very much

A little

Quite a lot

Totally
CARD 17

Noise from within your home (e.g. babies, voices, music, snoring).
Noise from neighbours inside their homes, through your wall, ceiling or floor.
Noise from neighbours inside their homes, coming in through your windows.
Noise from outdoors.
Vibration (e.g. seeing, hearing or feeling windows or things in the house shaking or rattling).
Artificial light (e.g. from streetlamps, other buildings or headlights).
Other reasons to do with conditions outdoors (e.g. odours, wind, rain).
Being woken deliberately by another household member (e.g. children, partner).
Being too hot or cold.
Personal reasons (e.g. ill health, worry, bad dreams, using the bathroom).
Other (specify).
Use earplugs
Use sleeping pills
Go to bed earlier/later
Plan to get up earlier/later
Sleep in a different room
Keep the window closed
Complain or do something else to stop the noise
Other (please specify)
CARD 19

Noise coming in through the window
To keep warm or save energy
Other reasons to do with conditions outdoors (e.g. smoke, odours, wind, rain)
Security
Safety (e.g. to prevent children falling out)
To keep pets in
To keep animals/insects/pests out
Habit/preference for no particular reason
Other (please specify)
CARD 20

To keep cool

To avoid condensation

For fresh air / to prevent odour

To talk to someone or hear what is happening outside

Habit/preference for no particular reason

Other (please specify)
CARD 21

Spoke or wrote directly to the person(s) or organisation making the noise

Complained to the police

Complained to the Environmental Health Department in the Local Authority (Council)

Complained to another Local Authority (Council) Department

Complained to the landlord of the person(s) making the noise (this might be a private landlord, Housing Department, Housing Association or other landlord)

Complained to a Government Department

Contacted an MP or councillor

Contacted the Citizens Advice Bureau or another advice organisation

Took legal advice/action

Started, signed or joined a campaign or petition

Installed double glazing

Did something else to keep the noise out

Did something else to reduce or eliminate the noise (please specify)
CARD 22

Aircraft/airports
Trains or railway stations
Road traffic
Sea, river or canal traffic
Building, construction, demolition, renovation or road works
Neighbours (inside their homes)
Neighbours (outside their homes)
Other people nearby
Sports
Other entertainment or leisure
Industrial sites
Other commercial premises
Forestry, farming or agriculture
Community buildings
Any other noise
CARD 23

AIRCRAFT/AIRPORTS

Commercial airliners
Private light aircraft
Microlight aircraft / powered gliders
Helicopters – private/commercial including police helicopters and air ambulances

Any other kind of non-military aircraft
Fighters/fighter-bombers
Helicopters – military
Any other kind of military aircraft
Helicopters – unknown if non-military or military

Unknown aircraft type
CARD 24

ROAD TRAFFIC

Motorways
Other dual carriageway roads
Single carriageway main roads
Residential/estate roads / country lanes
Any other kind of road
Heavy lorries
Smaller lorries
Delivery vans / milk floats / ice cream vans

Buses/coaches
Private cars / taxis
Motorbikes/scOOTers
Refuse/recycling collection vehicles
Any other kind of vehicle
Vehicles starting / stopping / ticking over (at traffic lights, crossings, etc.)
Engine revving
Air brakes
Brake squeal

Vehicles accelerating / going too fast
Car alarms / vehicle reversing signals
Police/other sirens
Music from vehicles
Vehicle horns
Noise caused by irregularities in the road surface, man-hole covers, traffic calming, etc.

Any other kind of noise from road vehicles
CARD 25

TRAINS OR RAILWAY STATIONS

Express / InterCity / International (Eurostar) passenger trains
Goods/freight trains
Local trains
Other or unknown train type
Stations (loudspeakers, etc.)
Railway/track maintenance
Goods yards (shunting, freight handling, etc.)
Train horns
Rail squeal
Other or unknown types of railway noise
CARD 26

NEIGHBOURS

Radio, TV, music
Children
Teenagers’ or adults’ voices
Parties held indoors
Parties held outdoors
Dogs
Other domestic animals/pets
Footsteps
Doors banging (either outside or inside doors)

Domestic equipment (vacuum cleaners, washing machines, dishwashers, tumble dryers, etc.)
Electric sockets/switches
Telephones ringing (inside or outside)
D.I.Y. (hammering, drilling, etc.)
Lawn mowers or other garden equipment
Cars / motor cycles starting up / leaving or being repaired, etc.

Burglar alarms
Neighbours’ fireworks
Neighbours’ wind turbines, air conditioning or heat pumps
People making deliveries or collections nearby, e.g. the post, supermarkets, mail/online order goods
Putting out bins or recycling
Any other kind of noise from neighbours and/or other people nearby
CARD 27

Spoke or wrote directly to the person(s) or organisation making the noise

Complained to the police

Complained to the Environmental Health Department in the Local Authority (Council)

Complained to another Local Authority (Council) Department

Complained to the landlord of the person(s) making the noise (this might be a private landlord, Housing Department, Housing Association or other landlord)

Complained to a Government Department

Contacted an MP or councillor

Contacted the Citizens Advice Bureau or another advice organisation

Took legal advice/action

Started, signed or joined a campaign or petition

Installed double glazing

Did something else to keep the noise out

Did something else to reduce or eliminate the noise (please specify)
Spoke or wrote directly to the person(s) or organisation causing the problem
Complained to the police
Complained to the Environmental Health Department in the Local Authority (Council)
Complained to another Local Authority (Council) Department
Complained to the landlord of the person(s) causing the problem (this might be a private landlord, Housing Department, Housing Association or other landlord)
Complained to a Government Department
Contacted an MP or councillor
Contacted the Citizens Advice Bureau or another advice organisation
Took legal advice/action
Started, signed or joined a campaign or petition
Made a change to your home
Took other action (please specify)
CARD 29

Being bought on a mortgage
Owned outright by household
Rented from local authority
Rented from housing association
Rented from private landlord
Shared ownership
Other
CARD 30

16 – 17 years
18 – 19 years
20 – 24 years
25 – 34 years
35 – 44 years
45 – 54 years
55 – 64 years
65 – 74 years
75 years or older
<table>
<thead>
<tr>
<th>Age Range</th>
<th>Corresponding Age Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Under 1</td>
<td>25 – 34 years</td>
</tr>
<tr>
<td>1 – 4 years</td>
<td>35 – 44 years</td>
</tr>
<tr>
<td>5 – 10 years</td>
<td>45 – 54 years</td>
</tr>
<tr>
<td>11 – 15 years</td>
<td>55 – 64 years</td>
</tr>
<tr>
<td>16 – 17 years</td>
<td>65 – 74 years</td>
</tr>
<tr>
<td>18 – 19 years</td>
<td>75 years or older</td>
</tr>
<tr>
<td>20 – 24 years</td>
<td></td>
</tr>
</tbody>
</table>
CARD 32

Working full time (30 hours a week or more)

Working part time

Unemployed and looking for work

Retired from paid work altogether

In full-time education

Looking after the home or family

Something else
V1.A6.2 Pink Show Cards for RTN, NN, AN and RN Modules
SHOW CARD RTN1

Road types

Motorways
Other dual carriageway roads
Single carriageway main roads
Residential/estate roads / country lanes
Any other kind of road (please specify)

Bothered, annoyed or disturbed….

NOT AT ALL    A LITTLE    MODERATELY    VERY    EXTREMELY

OR: NEVER HEAR THIS TYPE OF NOISE AT HOME
SHOW CARD RTN2

Vehicle types

Heavy lorries
Smaller lorries
Delivery vans / milk floats / ice cream vans
Buses/coaches

Private cars / taxis
Motorbikes/scooters
Refuse/recycling collection vehicles
Any other kind of vehicle (please specify)

Bothered, annoyed or disturbed….

NOT AT ALL    A LITTLE    MODERATELY    VERY    EXTREMELY

OR: NEVER HEAR THIS TYPE OF NOISE AT HOME
SHOW CARD RTN3

Particular types of road traffic noise

Vehicles starting / stopping / ticking over
(at traffic lights, crossings, etc.)

Engine revving

Air brakes

Brake squeal

Vehicles accelerating / going too fast

Car alarms / vehicle reversing signals

Police/other sirens

Noise caused by irregularities in the road surface, man-hole covers, traffic calming, etc.

Music from vehicles

Vehicle horns

Any other kind of noise from road vehicles (please specify)

Bothered, annoyed or disturbed….

NOT AT ALL    A LITTLE    MODERATELY    VERY    EXTREMELY

OR: NEVER HEAR THIS TYPE OF NOISE AT HOME
SHOW CARD NN1

Radio, TV, music
Children
Teenagers’ or adults’ voices
Parties held indoors

Parties held outdoors
Dogs
Other domestic animals/pets
Footsteps

Bothered, annoyed or disturbed….

NOT AT ALL    A LITTLE    MODERATELY    VERY    EXTREMELY

OR: NEVER HEAR THIS TYPE OF NOISE AT HOME
SHOW CARD NN2

Doors banging (either outside or inside doors)

Domestic equipment (vacuum cleaners, washing machines, dishwashers, tumble dryers, etc.)

Telephones ringing (inside or outside)

Electric sockets/switches

D.I.Y. (hammering, drilling, etc.)

Lawn mowers or other garden equipment

Cars / motor cycles starting up / leaving or being repaired, etc.

Putting out bins or recycling

Bothered, annoyed or disturbed….

<table>
<thead>
<tr>
<th>NOT AT ALL</th>
<th>A LITTLE</th>
<th>MODERATELY</th>
<th>VERY</th>
<th>EXTREMELY</th>
</tr>
</thead>
</table>

OR: NEVER HEAR THIS TYPE OF NOISE AT HOME
SHOW CARD NN3

Burglar alarms

Neighbours’ fireworks

Neighbours’ wind turbines, air conditioning or heat pumps

People making deliveries or collections nearby, e.g. the post, supermarkets, mail/online order goods

Any other noise from neighbours and/or other people nearby (please specify)

Bothered, annoyed or disturbed….

NOT AT ALL   A LITTLE   MODERATELY   VERY   EXTREMELY

OR: NEVER HEAR THIS TYPE OF NOISE AT HOME
SHOW CARD AN

Commercial airliners

Private light aircraft

Microlight aircraft / powered gliders

Helicopters - private/commercial including police helicopters and air ambulances

Any other kind of non-military aircraft (please specify)

Fighters/fighter-bombers

Helicopters - military

Any other kind of military aircraft (please specify)

Helicopters - unknown if non-military or military

Unknown aircraft type

Bothered, annoyed or disturbed….

NOT AT ALL A LITTLE MODERATELY VERY EXTREMELY

OR: NEVER HEAR THIS TYPE OF NOISE AT HOME
SHOW CARD RN

Express / InterCity / International (Eurostar) passenger trains
Goods/freight trains
Local trains
Other or unknown train types (please specify)
Stations (loudspeakers, etc.)

Railway/track maintenance
Goods yards (shunting, freight handling, etc.)
Train horns
Rail squeal
Other or unknown types of railway noise (please specify)

Bothered, annoyed or disturbed….

NOT AT ALL  A LITTLE  MODERATELY  VERY  EXTREMELY

OR: NEVER HEAR THIS TYPE OF NOISE AT HOME
V1.A6.3 Green Sort Cards (Shuffle Cards) for Question A10
A  ROAD TRAFFIC

B  NEIGHBOURS
   (inside their homes)

C  NEIGHBOURS
   (outside their homes)

D  OTHER PEOPLE
   NEARBY

E  TRAINS OR RAILWAY
   STATIONS

F  AIRCRAFT/
   AIRPORTS/
   AIRFIELDS

G  SEA, RIVER OR
   CANAL TRAFFIC

H  BUILDING,
   CONSTRUCTION,
   DEMOLITION, RENOVATION
   OR ROAD WORKS

I  SPORTS

A6-69
V1.A6.4 White Sort Cards (Shuffle Cards) for Question O11
A. Chemicals put into a river and/or the sea

B. Sewage on the beaches or in bathing water

C. Loss of habitat for plants and/or animals

D. Poor quality drinking water

E. Use of insecticides and/or fertilisers

F. Traffic congestion

G. Flooding

H. High winds causing damage

I. Losing green belt land
J  Losing other green spaces
K  Unfit housing
L  Air pollution from local industry/agriculture
M  Dust and dirt
N  Smells
O  Litter and/or rubbish
P  Lack of quiet public spaces
Q  Pests
R  Traffic exhaust fumes and/or urban smog
S
Damage or annoyance caused by vibration

T
Too much light from streetlights, floodlights, security lights, shops etc

U
Fouling by dogs

V
Not enough recycling

A6-74
Appendix V1.A7 Interviewer Instructions

In addition to personal briefing, interviewers received extensive written instructions. The content of these instructions is duplicated below.220

V1.A7.1 Introduction

Thank you for agreeing to work on this project. Please ensure that you read these instructions carefully before you start, in conjunction with the questionnaire, contact sheet and dummy CAPI script. If you have any problems or queries, please contact your area manager or head office.

Any interviews completed with respondents who do not fall within the criteria laid out in the contact sheet and/or instructions will not be used and payment for these will be withheld.

V1.A7.2 Background to the Survey

The National Noise Attitude Survey is being conducted across the UK. This survey is being undertaken on behalf of the Department for Environment, Food and Rural Affairs (Defra). Defra is the government department with overall responsibility for policy and regulations on environmental, neighbour and neighbourhood noise in England. The output of this monitoring and information is used to inform policy at Defra.

The National Noise Attitude Survey has previously been conducted in 1991 and 1999 and GfK NOP is now undertaking the third wave of the research. In 1991 and 1999 the survey was face-to-face but a paper questionnaire was used; for wave 3 CAPI will now be used.

The aim of the survey is to provide DEFRA with data about householders’ attitudes to a range of types of noise. It is important to note that when introducing the survey we must NOT refer to it as being a noise survey or looking into noise, etc. as this may influence the answers to the early questions. You should simply say that the survey is about local environmental issues.

220 This version of the instructions differs from the original in the following respects:

- The original final design was by GfK NOP and carried the company logo.
- The original contained embedded copies of advance letters and pages from the contact sheet. These are provided separately in this report and so have been removed from the notes to improve the flow of the text.
- The original contained some internal administrative instructions. These have been removed as they are relevant only to GfK NOP processes.
- There has been some reformatting to fit into this document.
**V1.A7.3 Whom to Interview**

You will be provided with **33 pre-selected addresses (36 in London)**. You may ONLY interview at the addresses you have been issued with. For each of these addresses you will receive a contact sheet - for this survey we can interview adults (aged 16+) but it is important to note that the person interviewed must be selected via the Kish grid.

**Dwelling and Household Eligibility**

The sample has been drawn from the Small User version of the Postcode Address File (PAF), so it excludes most businesses and institutions, but not every address in your sample will necessarily be eligible for interview. The Small User file contains some small business such as shops, small offices and light industrial premises, and non-residential addresses should just be coded as such on the Contact Sheet. But you should always check – especially in the case of shops with flats above, whether the flat above shares exactly the same address as the shop. If it does, you should attempt to interview in the flat (and carry out the dwelling selection process using Kish – see section 5 - if there is more than one flat sharing the same address).

There will very occasionally be cases where there are multiple dwellings at the sampled address. This is much less of a problem than it was 10-20 years ago as PAF is now much better at identifying individual flats, etc. but it will still crop up somewhere on a project of this scale. However, there may still be some instances of recent conversions where it is apparent that there is something different about the address as you approach the front door – for example, you might be contacting 52 Acacia Gardens but you can see there are bells for Flats A, B and C. Where this occurs, you will need to use the Kish selection process (see section 5).

If you have called at an address a few times without finding anyone at home, and there are no obvious signs that the house or flat is occupied, it is worth checking with neighbours to see if they know if the property is in fact vacant. In this case (and there is no likelihood of it being occupied in the near future) you can again just code this on the Contact Sheet and close off the address (see section 5).

To be eligible for the survey, the address given must be someone’s main home. So a weekend cottage used only occasionally, or a holiday home that is mostly rented out, should be coded as non-residential on the Contact Sheet (code 4 – see section 9) and the address closed off.

To be a household, residents must either:

- share a living room, or
- share at least one meal a day, or
• share a substantial amount of domestic arrangements (e.g. food shopping)

You must check how many households there are at an address – don’t assume that you know! The wording to use is provided on each contact sheet. If someone has a lodger living at the same address, the lodger should be included as part of the household (i.e. not treated a separate household).

If there is more than one household at the address, you will need to make a selection at random using Kish (see section 5). This will only happen rarely! Please contact head office if anything is complex or unclear.

Eligibility Rules for Individuals

Our target population is people aged 16+ who live at the pre-selected address.

V1.A7.4 Initial Contact

Advance letter

You will be provided with an advanced letter for each of your selected households. You will need to plan your work and send out groups of advanced letters 3 to 4 days BEFORE you intend to visit the addresses. The letters will be posted by second class and this time period ensures that you will make your visit shortly after the household has received the letter.

The letter contains a freephone telephone number for people to call head office if they have any queries or if they wish to refuse in advance. We will pass this information on to your area manager as soon as we receive a call.

Please make sure that you are fully aware of the content of the letter and have spare copies in case some households do not remember receiving it.

V1.A7.5 Introducing the Study and Answering Questions

At some addresses, you will need to explain the survey twice: first to the person who provides you with information on those living at the address to enable you to make your selection; and then to the selected individual. In general, you should keep your initial introduction brief, while responding to any points raised by the person you are talking to.
Introducing the Study

As with other government surveys, there is no obligation to take part in this survey. However, the survey is very important, and you should use your skills to encourage respondents to take part. When you introduce the survey you should explain the following points.

**Who you are**

“My name is …. from GfK NOP, the independent market research company and I am carrying out a survey about local environmental issues.”

Please show your identity card at all addresses and to anyone who asks to see it.

**What the survey is about**

We do not want you to use the word ‘noise’ when introducing the survey to respondents. Use wording such as that in the letter, i.e. the survey is about “local environmental issues”. Possible ‘selling points’ could include these.

- The findings could well influence government, as previous surveys have done in the past. They want to understand local environmental concerns so that they can attempt to make policy changes that will have a positive impact on people’s lives.
- Feedback from previous surveys in the series suggests that most people really enjoyed taking part, as it was an opportunity for them to express their opinions about local environmental issues.
- This is a national study which aims to discover the local environmental issues that people face in their community.
- The results will be reported to Defra. Interviewers working on other surveys have often found that referring to the researchers responsible for the study was helpful: it reassured people that the study is serious research and not an exercise in selling them anything.
- We are asking people about local environmental issues so that DEFRA can assess whether there are common problems in the community.

a. "How long will the survey take?"

On average, the interview will take about 40 minutes but there will be some variation around this typical length.

b. “Who funds the survey?"

The research is being carried out by the Department for Environment, Food and Rural Affairs (Defra).
c. “Will Defra know who took part?”

No, they will not know who said what. The names of those interviewed in this survey are known only to GfK NOP and these details will not be passed on without the respondents’ permission. Name and address will never be revealed without your permission and no-one’s replies can be personally identified without these.

d. “How can I be sure you are a genuine interviewer?”

I have shown you my identity card. Also I have here a copy of the letter explaining about the survey. You can also provide them with GfK NOP’s Freephone number which has a recorded message to verify we are conducting the survey in the area.

e. “Why can’t you carry out the interview at another address?”

The address has been selected at random from the full list of residential addresses in the United Kingdom. We need to do the interview at this household to help ensure that the sample of households we interview is representative of the UK. That is why I may need to keep coming back to your address to find a good time to conduct the interview.

f. “Why can’t you carry out with someone else in the household?”

In order to make the survey representative of the UK population we need to randomly select someone in the household to take part – otherwise we may not get a truly representative picture of the population. For example we would tend to talk to people who are easier to get hold of and they may be different in some way from the general population.

Additional Reassurances

Other reassurances that you can offer are as follows:

- Offer the MRS Freephone so respondents can verify that GfK NOP is a bona fide market research agency – they dial the operator and ask for Freephone Market Research Society or they ring 0500 39 69 99;
- Offer the GfK NOP Freephone number which is a recorded message to verify that we are conducting a survey in the area – the number is 0800 3760017;
- Hand out a thank-you leaflet with your interviewer number written on it.

As well as the usual thank-you leaflet you should also give respondents a DEFRA thank-you card
Making Appointments

As we have a long fieldwork period, it is important that respondents don’t feel they have to do the interview straightaway when you first call at an address, or indeed that they are under any compulsion to take part. However, if a respondent is happy to do the interview straightaway, that’s fine – we don’t want you to risk losing interviews by making appointments unnecessarily.

Conducting the Interview with Privacy

Ideally the whole interview should be conducted in private, without others present. However, we do realise that this is often unavoidable, and therefore you should still complete the interview even if other people are nearby, so long as the respondent is happy with this.

Respondents with Limited English

If the selected respondent does not have a sufficiently good command of English (or Welsh) to conduct the interview, please note that you can use another person as an interpreter for the interview, provided that the interpreter is aged 16 or over. If a respondent in Wales wants to be interviewed in Welsh and you don’t speak Welsh, contact your area manager so a Welsh-speaking interviewer can be arranged.

If you have got as far as selecting a respondent, but this person has insufficient English (or Welsh in Wales) to continue with the interview, and an interpreter is not available, code final outcome code 21 “Selected respondent has insufficient English and no-one able to interpret in the household”.

Respondents with Limited Hearing

Given the survey is about people’s perceptions and attitudes to noise, profoundly deaf respondents should not be interviewed. We would classify someone as profoundly deaf if they cannot hear with the aid of a hearing aid. People who have some difficulty hearing but can hear well enough to be interviewed (with a hearing aid if necessary) should be interviewed if they agree.

V1.A7.6 Using Contact Sheets

All contact sheets are pre-printed with an address of the property you must visit. You must complete and return a contact sheet for EVERY ISSUED ADDRESS, regardless of whether or not you achieve an interview. These can be returned as you go along, once
you have established a final outcome for an address. The following describes how you should fill in the address contact sheet.

**Address Information**

**Address** – this is pre-printed on the contact sheet

**Reference number** – this is made up of 6 numbers and is made up from a combination of the sampling point number and an individual address reference number.

**Issue/Interviewer Name/Interviewer Number** – this will be pre-printed with the name and number of the interviewer who was initially issued with that piece of sample. If these boxes are blank or if the piece of sample is re-issued to you after previously being issued to another interviewer, you will need to write your name and number in the first blank box.

**Contact Record**

This is the area of the contact sheet where you record details of all of the attempts that you make to contact the address. Please use the Weekday Contact Codes provided at the very top of the box to code in the WKDAY box which day of the week you made the call, and then enter the time, date and month in the following boxes. In the COMMENTS section you should enter all relevant comments about that particular call. Finally, for each call you should note when you updated your ESMS accordingly.

When you have finished working with that particular contact sheet, whether that is because you have completed an interview, have had your request for an interview refused, or have completed your full (8+) call pattern correctly and are returning the contact sheet as a non-contact, please enter the **number of calls** that you made at the address in the box provided. If you are the first interviewer to work with this particular piece of sample, then you will enter the number of calls that you have made in the TOTAL NUMBER OF 1st ISSUE CALLS box. This should tally exactly with the number of lines completed in the Contact Record box.

If you are working on a piece of sample that has been reissued, you should enter the number of calls that you have made in the TOTAL NUMBER OF RE-ISSUE CALLS box.

**Section A - Dwelling Selection (Questions 1 and 2)**

The first thing that you need to do when you visit the address printed on the Contact Sheet is to establish whether it consists of just ONE house or flat (Q1). If it does (in more than 99.5% of cases), then you proceed straight to the introduction (labelled B).
If you establish that there is more than one house or flat at the printed address, you must write in the total number of houses or flats at Q2 and then select one at random using the Kish selection on the second page of the contact sheet, in section C. The method that you should follow to do this is described in detail later in these instructions.

**Section B - Introduction**

Please read this out once you have made contact with someone at the issued address (or if there is more than one dwelling at the address, at the one selected dwelling once you have used the Kish Grid to choose one).

**Section C - Household Selection (Questions 4 and 5)**

Even if you think that there is only one household living at the address that you were issued with (or that dwelling you have selected using Kish), you must still ask Q4 of a householder to be 100% sure that you don’t need to go through a selection process to choose a household. If you establish that there is only one household (again in 99.5% of cases), then you can proceed straight to the RESPONDENT SELECTION section of the sheet (Q6/7). If there are two or more households present, for example bedsits with no shared facilities, you must proceed to Q5 in order to select a household to attempt to interview.

**Kish Selection Process**

If you discover either as soon as you visit the address, or once you have asked Q4, that the address that you have been issued with consists of more than one dwelling and/or household, you will need to use the KISH SELECTION (at Q5) in order to select a dwelling or household.

You should start this by listing all of the dwellings or households alphabetically in the box on the left hand side of the page. So, for example, you could have Flat 1, Flat 2 and Flat 3, or Flat A, Flat B and Flat C listed, or you could enter the surnames of the households if you have them, for example Brown, Jones and Smith. Please list all flats; even if one or more is actually empty at the time you call (as it could be occupied in the near future).

For example, if you turned up at an address and it was split into three then you would write the names of each flat into the grid on the left hand side.
On the right hand side of the page is a box labelled “Kish Selection”. You will see that the numbers 1-9 appear on the right hand side of the box in grey boxes. Beneath these are pre-printed, random numbers (selection numbers). You should read along the top row of numbers (in the grey boxes) and stop when you get to the number of houses or flats that you are trying to select from, and then look in the box immediately below that, where you will find a number. This is the number of the household that you should select. The selection numbers are unique to each contact sheet and this will ensure that a random selection is carried out. So, in this example below, as you are selecting from three dwellings in total (basement, first floor and ground floor) you would select the number of the dwelling in the box BELOW the number 3 – selection number is 2 – which is the first floor flat household.

<table>
<thead>
<tr>
<th>KISH SELECTION</th>
<th>Q2/4/6: NUMBER OF HOUSES OR FLATS /HOUSHOOLD /ELIGIBLE INDIVIDUALS</th>
<th>SELECTION NUMBER:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

KISH SELECTION INSTRUCTIONS:
SELECT A HOUSE/FLAT OR HOUSEHOLD OR ELIGIBLE INDIVIDUAL TO CONDUCT THE INTERVIEW USING THE KISH SELECTION

Read along the top row of numbers to the number of houses/flats, households or individuals that you are selecting from, the number immediately below it is the one to select.

For example, if there are flats A, B and C at the address, read along the top line of digits to the number 3; if it was a number 2 printed below that then you would conduct the screening at flat 2 (the second of A, B and C)

The same procedure is used for each of Q2, Q4 and Q6. Selection numbers are unique to each contact sheet to ensure a random selection is carried out.

NOTES
If more than 9 houses/flats (for Q2) or households (for Q4), or more than 6 people (for Q5) call area manager for instructions.

Continue with screening procedure at next question after selection.

If situation complex, or you are unsure of how to count houses/flats or households, contact area manager for guidance.

Once a selection has been made no substitutions are allowed.
If you are at all confused by this or in the extremely unlikely instance that you encounter an address where there are more than 9 dwellings or households present, please call your area manager for further guidance.

Page 3 of the contact sheet contains the following information.

PLEASE NOTE ONCE A SELECTION HAS BEEN MADE VIA KISH, NO SUBSTITUTES ARE ALLOWED IN ANY CIRCUMSTANCES

Section D - Respondent Eligibility and Selection (Question 6/7)

Next you need to establish who is eligible to take part in the survey. To do this you need to speak to a responsible adult in the household (preferably a householder) and ask them for the details of those aged 16+ who live within the household at the pre-selected address.

If the respondent requires clarification on who they should include as part of the household then please use the following guidelines.

INCLUDE:

• People who normally live at the address but are away for less than three months
• People away at work for whom this is the main address
• Boarders and lodgers

EXCLUDE:

• People who live elsewhere to work and is not their main address
• Spouses who are separated and no longer resident
• People away for three months or more

The total number of adults aged 16+ within the household should be recorded at Q7.

Depending on the answer at Q6 the following courses of action should be taken:

• If one – please fill in details at q7-q10 and interview that person
• If more than one – use the Kish grid on page 2 to select one respondent for interview and fill in details at q7-q10 and try to interview that person

N.B. it is very important that you record the numbers at Q6 and Q7 because you will be asked to fill these in at the start of every CAPI survey – they are very important numbers which are needed to analyse the data.
**Question 8**

Question 8 asks you to write in the name of the selected respondent. This is especially useful if the contact sheet needs to be re-issued to another interviewer so they know who they are looking to interview.

**Final Outcome Codes**

One of the most important parts of the contact sheet is the Final Outcome section. This is on page 4 of the contact sheet. This is where you tell us what the outcome of the approach for interview was, whether it resulted in an interview or not (and if not why not). It is vital that we have this information because it helps us to monitor progress of fieldwork as well as telling us about the representativeness of the survey in general.

The first column contains all the possible outcomes that you may have at an address you visit – you need to put a cross by ONE of the final outcome codes to indicate what happened at that address. If you are the first interviewer to work on that piece of sample then you need to put the cross in the “1st issue” column (if this piece of sample has already been worked and it has been re-issued to you then you need to put a cross in the re-issue column).

The first column has three sub headings designed to help you find the correct outcome for that piece of sample.

The first category is ‘address ineligible’. This contains six codes that cover situations where an address cannot produce an interview with an eligible resident. These codes are described as follows.

<table>
<thead>
<tr>
<th>Address ineligible</th>
<th>Code / Code number</th>
<th>Further notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Property vacant</td>
<td>1</td>
<td>When a property is completely empty and you do not expect it to be occupied during the fieldwork period. If you think it might be occupied in the near future, please hold on to your contact sheet and go back to the address when someone might be living there.</td>
</tr>
<tr>
<td>Property demolished /derelict</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Property not yet built</td>
<td>3</td>
<td>There may be some cases where a property is already listed by Royal Mail in PAF but has not yet been built.</td>
</tr>
<tr>
<td>Non-residential property</td>
<td>4</td>
<td>As well as business premises, this also includes holiday homes (which are not eligible for inclusion in the survey).</td>
</tr>
</tbody>
</table>
Address ineligible

<table>
<thead>
<tr>
<th>Code / Code number</th>
<th>Further notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Institution – no private households</td>
<td>5 Including hotels, hostels, care homes, university halls of residence (although very few of these cases will occur).</td>
</tr>
<tr>
<td>Not found – no trace of address</td>
<td>6 If you cannot find the address, please check with your area manager who may be able to help you to trace the address. We do not expect many addresses issued to be coded this way.</td>
</tr>
</tbody>
</table>

The next category of final outcomes is cases where you were unable to select a respondent for interview.

No respondent selected

<table>
<thead>
<tr>
<th>Code / Code number</th>
<th>Further notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refused before respondent selection</td>
<td>7 When you cannot establish with someone in the household how many adults for the survey because no one in the household will give you this information.</td>
</tr>
<tr>
<td></td>
<td>If this happens, please fill in the right hand side of the back page. First please code the reasons for refusal and also write in a description of what the person said about why they did not want to take part. It is really important to get this information because it will help us to decide whether this piece of sample might be re-issued at a later date.</td>
</tr>
<tr>
<td>Unsure if occupied, no contact after 6+ calls</td>
<td>8 You have called at house 8 or more times with the correct call pattern and you are still unsure as to whether the property is occupied (although there seems to be furniture etc. in the house which distinguishes it from code 1 – property vacant).</td>
</tr>
<tr>
<td>Occupied, no contact at address after 6+ calls</td>
<td>9 When you are certain that there is someone living at the address but after 8 or more calls you have been unable to make contact with anyone at the address.</td>
</tr>
<tr>
<td>Entry to block / scheme refused by warden etc.</td>
<td>12 You have been unable to make contact with the actual address because entry to the block has been refused by a warden.</td>
</tr>
</tbody>
</table>
The third category of codes is for cases where you have been able to select anyone for interview.

### Respondent selected

<table>
<thead>
<tr>
<th>Code / Code number</th>
<th>Further notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Successful interview with selected respondent</strong></td>
<td>If you get an interview with the selected respondent please code this outcome.</td>
</tr>
<tr>
<td>13</td>
<td></td>
</tr>
</tbody>
</table>

| **No contact with selected respondent after 6+ calls** | If you have been able to screen the household but have not been able to make any contact with the selected respondent please select this code. |
| 15                 |               |

| **Some contact with selected respondent but no interview after 6+ calls** | If you have been able to screen the household but have only been able to make limited contact with the selected respondent please select this code. |
| 16                 | If you have made some contact with the respondent, it is useful for us to know why you have not been able to get an interview so that if we re-issue that piece of sample, the next interviewer can use this information when they visit the house. Please put this information in the box in the bottom right hand corner of the contact sheet. |

<p>| <strong>Selected respondent refused</strong> | If you select a respondent from the household but they refuse to take part, then code here. |
| 17                 | If this happens please fill in the right hand side of the back page. Firstly please code the reasons for refusal and also write in a description of what the person said about why they did not want to take part. It is really important to get this information because it will help us to decide whether this piece of sample might be re-issued at a later date. |</p>
<table>
<thead>
<tr>
<th>Code / Code number</th>
<th>Further notes</th>
</tr>
</thead>
</table>
| Someone else refused on behalf of selected respondent | 18 | If you select a respondent from the household but someone else in the household refuses on their behalf please use this code.  
If this happens, please fill in the right hand side of the back page. First, please code the reasons for refusal and also write in a description of what the person said about why the selected respondent did not want to take part. It is really important to get this information because it will help us to decide whether this piece of sample might be re-issued at a later date. |
| Selected respondent profoundly deaf | 40 | The survey aim is to gauge people’s attitudes to noise. A profoundly deaf respondent will not be able to hear noise and therefore should not be interviewed. |
| Selected respondent too ill/frail to participate (excluding deafness) | 19 | If the selected respondent is too frail (e.g. because of age) or too ill to take part in the survey please write in why and we can use this information to help decide whether to re-issue this piece of sample. If the person is profoundly deaf do not record this response here but in the box above. |
| Selected respondent away during fieldwork | 20 | If you select the respondent and find out they are away during fieldwork please code this; please also write in the date they will be back to help us to decide if this can be re-issued. |
| Selected respondent does not speak English and no-one in the household can translate | 21 | Please use this code when you select a respondent who cannot complete the survey in English and no one can translate for you (see section 8 for further instructions). Please use the language card to establish which language they speak and write this in. |
The final category of outcome codes are categorised under ‘other’. These are as follows.

<table>
<thead>
<tr>
<th>Other</th>
<th>Code / Code number</th>
<th>Further notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other</td>
<td>22</td>
<td>Please only use this code as a last resort if you really cannot code the situation under any of the other codes. Please write in the reason why you had to code it under other.</td>
</tr>
<tr>
<td>Head office – refusal</td>
<td>23</td>
<td>This may happen when the letter is received and the person at that house calls the survey helpline and does not want to take part at all. Your area manager will notify you about this if this is the case.</td>
</tr>
</tbody>
</table>

Refusal Information

As already stated if someone has **REFUSED**, we would like you to provide us with some **refusal information**. You should enter this in the grid on the right hand side of the page. If you can’t see a code on there that accurately describes the reason for refusal, please write it in the box marked “Other”. This is really important as we will use this information if we decide that we are going to reissue refusals.

We would also like you to tell us, in your opinion, if you think that we should not attempt to re-contact the household. This may be used if you think the respondent would take offence if they were called on by someone else. If you feel that we should NOT attempt to re-contact them (and this should only be used in appropriate circumstances) please code the **DO NOT RECONTACT** box.

Returning Contact Sheets

Contact sheets should be filled in as you make calls and complete interviews. It is important that you do fill these in for every address so that we have an accurate record of outcomes for all addresses issued – this information will be passed onto the client on a regular basis. Contact sheets should be returned to Chelmsford, unless otherwise instructed.

Call Pattern

Due to the nature of the sample (working people) we are expecting you to work evenings and weekends in order to achieve the highest number of interviews possible. However,
we recommend that initially you make day time calls to find your addresses and establish any ‘deadwood’.

Please attempt a visit to each address in your sample within the first week. You must complete a 21 day call pattern, making a **minimum of 6 calls** at an address before classifying it as a non-contact, with the following minimum requirements.

- 2+ calls daytime before 6.00pm
- 2+ calls after 6pm weekday evenings
- 2+ weekend calls

Calls must be made on different days of the week and at the weekend, spread over a 3-week period, and all interviewing should be completed by 27th February 2012.

Once you have established who should take part in the survey, at least 8 attempts to contact the respondent should be made, recording your call pattern clearly on the Contact Sheet. Non-contacts and screening failures will be paid for based on the information on the Contact Sheets and will be returned to you if the call patterns are not correct.

**Practise Interviews After the Briefing**

When you are at home, we would like you to go through the briefing script to familiarise yourself with the survey. There is no particular route you need to take for this and there is no need to save or dial in the interview. Please pay particular attention to the pre-codes at unprompted questions.

**Calling Cards**

[Image of calling card]

We have also issued you with calling cards, which are self-explanatory. You may choose to put these through the letterboxes of households where no one is in. Some interviewers are happy to put their own phone number on the card, and some aren’t: we leave that decision up to you.

**UNDER NO CIRCUMSTANCES IS IT PERMISSIBLE TO INTERVIEW THE SAME RESPONDENT ON MORE THAN ONE SURVEY OR TO INTERVIEW PEOPLE WHO ARE KNOWN TO YOU.**
The CAPI script will be available for you to dial in and pick up from: Tuesday 6th Dec 2011 from 6pm

Please make sure you pick up the correct script for this project. Any interviews done on the wrong script cannot be used and will not be paid for.

As the questionnaire is on CAPI you obviously don’t need to worry about filters and routing as CAPI will take care of this for you, but it is important to be aware that some sections are routed from which noises the respondent is bothered by.

There are a lot of questions with 7 or 5 point answer scales where only the two ends of the scale are labelled. If necessary explain to respondents that they can choose any number they like along the scale.

At the start of the interview you need to enter the reference number from the contact sheet, and the CAPI script will then display the address for that reference number. Please check carefully that this is correct for proceeding, as it is very easy to make a slip when entering numbers.

You will also be asked to transfer key information from the contact sheet about numbers of dwellings, households and adults, and which version of the Showcards you are using. Showcard 2 comes in many different versions, and immediately below the job number in the top left hand corner is a number telling you which version of the showcards you have got.

Section A

A2, A3a, A4 and A5a require you to write in responses; this does not have to be verbatim, just enough to know what the “like” or “dislike” was. Note that A2 and A3 are about the area or neighbourhood, however the respondent defines them. A4 and A5 are about the respondent’s own home but are otherwise very similar questions – this can be pointed out if the respondents say they have “already answered that question”.

A3a – asks about why you particularly dislike this neighbourhood. The question requires you to record a verbatim response and then code the response below. Please note that any text entered at A3a will be used as a text fill at A3b. If you code “Any mention of potential sources of noise not liked” you will be routed to A3b.

Note that in the precodes below the text box we distinguish between "noise" and "potential sources of noise". "The cars all have really loud stereos" is a noise. "There's far too much traffic" is a potential source of noise, and in this case there is a follow-up
question to see if they are complaining about traffic noise, or simply that the traffic makes it hard to cross the road, or is very smelly.

**A3b** – this question is asking about whether the reason they particularly dislike the neighbourhood is due to noise. The question will bring up the open text from A3a which may contain items that are obviously either a noise or not noise-related. When reading out the question you will need to read out the comments that are potential sources of noise and ignore those that are not.

**A5a** – this question asks what you dislike about living in this home. The question requires you to record a verbatim response and then code the response below. Please note that any text entered at A5a will be used as a text fill at A5b. If you code “Any mention of potential sources of noise not liked” you will be routed to A5b.

Note that in the precodes below the text box we distinguish between "noise" and "potential sources of noise". "You can hear people walking around upstairs" is a noise. "The windows don’t have double glazing" is a potential source of noise, and in this case there is a follow-up question to see if they are complaining about the fact that it lets in noise, or simply that the lack of double glazing makes the house too cold.

**A5b** – this question is asking about whether the reason they particularly dislike their home is due to noise. The question will bring up the open text from A5a which may contain items that are obviously either a noise or not noise-related. When reading out the question you will need to read out the comments that are potential sources of noise and ignore those that are not.

**A6** – SHOWCARD. Record the top 5 responses given. If the respondent does cannot select five, then fewer than five can be accepted. Do not prompt for issues that are not on the showcard. However, if the respondent gives a response that is not on the showcard, first check whether it is actually something that could be included in one of the categories on the showcard (e.g. “The chemicals they put on the farm” could really be “Use of insecticides and/or fertilisers”). If not, the extra item can be recorded in the screen after A6 but it is not included in the total of five items from the showcard. An interviewer prompt will come up asking whether the respondent mentioned any other environmental problems that were not on the showcard. If yes you will be asked to enter them into a text box after checking against the showcard items, as noted above.

**A7** asks the respondent how they feel about the amount of noise in their area. The respondent may say that there is no noise in the area. In this circumstance we need them to say they like or dislike the fact that there is no noise. This may seem an odd question to some respondents but some people do not like it being very quiet.

**A9** asks about how bothered, annoyed or disturbed the respondent is about 15 different noise types. Examples of the different noise types have been provided on Showcards 5a
to 5o. It is important that the respondents use the showcards as examples (not an exclusive list) of what we consider to come under the different categories. Some respondents may need some explanation from you as to whether a noise falls into a particular noise type. We will provide a separate instruction sheet to provide you with some guidance on this matter.

Whenever necessary in this series of questions (e.g. if the respondent refers to a particular problem last week), emphasise that we are interested in their opinion about the past year as a whole.

- If the response to A9/A9c is NOT AT ALL or DON'T KNOW then a subsidiary question will be asked (Is that because you never hear this type of noise?). The purpose of this question is not to challenge the respondent’s opinion but just to check whether they are unable to answer, or not at all bothered, annoyed or disturbed by the noise, because (a) they hear the noise but are not bothered, annoyed or disturbed by it, or (b) they actually never hear that type of noise. If they do sometimes hear the noise, and they said “Don’t know” at A9, they are routed to A9c, which effectively tries again to obtain an answer to A9.

- If the response to A9 is DON'T HEAR then a subsidiary question will be asked (So, do you ever hear this kind of noise when you are at home?). The purpose of this question is not to challenge the respondent’s opinion but just to check whether they actually never hear that type of noise or they do hear it but are not at all bothered, annoyed or disturbed by it. If they do sometimes hear the noise, they are routed to A9c, which effectively tries again to obtain an answer to A9.

- If the respondent is bothered, annoyed or disturbed by ANY OTHER NOISE, you will be asked to input the other noise that bothers, disturbs or annoys them on the next screen. If they state more than one other noise, you should only record the one that bothers, annoys or disturbs them the MOST. Please be aware that this text will be used as a text fill in later questions. It is therefore important to consider the wording that you use for example if you record “the noise of foxes” this is the text that will be inserted. When recording the response please do not include the word “noise” instead just put in the word “foxes” as this is the description of the source of noise that is bothering them. This exclusion will make the later text substitution questions much easier.

A10 – makes use of GREEN SHUFFLE CARDS. Please make sure that your shuffle cards have been thoroughly shuffled before giving them to the respondent. They should under no circumstances receive the shuffle cards in the order that was selected by the previous respondent.

- You will hand the shuffle cards to the respondent and ask them to sort them into two groups. In one group they should put the noises that bother, disturb or annoy them
and in the other group those that do not bother, disturb or annoy them. Once the respondent has sorted the cards into two groups, the interviewer should pick up the cards that list the noises that bother, disturb or annoy them and hand them to the respondent asking them to rank the cards in order of their annoyance i.e. the noise that bothers, disturbs or annoys them the most, the second most etc.

- Each card has a coding letter in the corner. If the respondent asks, or appears to be looking at it, say that it is irrelevant to the ranking of the cards and just a convenient way to record what they say.

- The interviewers’ task is then to enter the noises that bothers, annoys or disturbs the respondent in rank order. The CAPI is set up so that a different screen comes up for each rank, i.e. there is one screen for the most, one screen for 2nd most, 3rd most etc. The noise that is mentioned in the previous screens will not be available to you to code on subsequent screens. You carry on with this until the pile of noises they were bothered, disturbed or annoyed by is finished, then code 'No more cards'.

- If the respondent can’t decide, after prompting, which of two or three noises are the most bothersome, disturbing or annoying enter them consecutively in random order. Turn the cards representing the tied noises face down and ask the respondent to choose one.

A11 – please be aware that responses to this question will affect question wording/routing at later questions in the script. The distinction is made between those who have lived at the property for less than 5 years and those for 5 years or more, so in case of any doubt this is the distinction it is most important to get right.

A12 – questions later in the script will be routed from A12 (i.e. only those with a garden or balcony or terrace will be asked associated questions) and some questions will have the words garden, terrace or balcony inserted, according to the answer to this question. Include private gardens, terraces and balconies, attached a particular property or small group of properties, but not generally accessible gardens. Under “balcony”, include only those where the household can sit/stand outside, not the common feature of modern homes where there is a door that opens on a floor above ground level, with a railing around it to prevent exit. A terrace may be on the roof or at ground level.

A14 – this is only asked if the property is a flat or maisonette and asks about the location of the entrance door to the flat/maisonette. You should use 0 for the ground floor and -1 for the basement.

Sections on Specific Noise Types

The next sections go into more detail about the different noises. Road Traffic Noise and Neighbours Noise will always be asked about first, even if the respondent said they didn’t
hear them or that they are not at all bothered, annoyed or disturbed by them at A9 or A10. The minimum number of noises to be asked will be 2, the maximum number is 5. With the exception of Road Traffic Noise and Neighbours Noise only those noises that are recorded in the top 3 at A10 will be asked about (in the order in which they were ranked at A10).

Question labelling refers to the following.

RTN = Road Traffic Noise
NN = Neighbour Noise
AN = Aircraft Noise
RN = Railway Noise
OSN = Other sources of noise

The majority of questions are the same in each of the sections. Equivalent questions have been given the same numbers in each section, therefore a few numbers are missing from some sections if the question is not applicable in those sections. RTN/NN/RN/AN have all been set up as separate sections but the OSN is one section that may cover up to three of the following for each respondent.

- Sea, river or canal traffic
- Building, construction, demolition, renovation or road works
- Sports
- Other entertainment or leisure
- Industrial sites
- Other commercial premises
- Forestry, farming or agriculture
- Community buildings
- Any other noise

RTN1/NN1/AN1/RN1 – the show cards appropriate for this question are the PINK RTN1-3 / NN1-3 / AN1 / RN1 cards. This question is split over 3 screens for RTN and NN and asks how annoyed, bothered or disturbed they are by specific road noises/neighbour noise/aircraft noise/railway noises.

- At the end of each screen there is an “any other” code e.g. any other road noise, any other kind of vehicle noise and any other kind of noise from road vehicles. If the respondent is annoyed, bothered or disturbed by any “any other” noise then a box will come up asking for the respondent to specify the noise. This box will come up before you move on to the next screen. If the noise stated actually belongs under one of the precoded types, untick “any other” and use the precode.
• In order to remove the subsidiary question that came up after A9 we have added further information for the respondent in the question text:

“Please note that if a noise is ever heard but does not bother, annoy or disturb you, say Not at all, but if you do not hear a particular noise say ‘Do not hear’.

It is important that you are aware of this distinction between NOT AT ALL and DON’T HEAR.

• We also need you to double check if someone says DON’T KNOW that they really mean don’t know as opposed to don’t hear.

OSN1 has a different format and just asks what particular type of noise the respondent is bothered, annoyed or disturbed by. For example, if the “Other source of noise” is “Sea, river or canal traffic”, particular sources of noise might be “Fishing boats” and “Fog horns”. Precodes are provided but use the “Other” options to record as specifically as possible.

THE REST OF THE RTN/NN SECTIONS WILL BE SKIPPED IF ROAD TRAFFIC/NEIGHBOUR NOISE WAS NOT CODED AT A10 AND ALL PARTS OF RTN1/NN1 WERE CODED DON’T HEAR, NOT AT ALL or DON’T KNOW.

RTN3/NN3/AN3/RN3/OSN3 – SHOW SCREEN. Please hand the computer to the respondent for completion. We are using show screen for this one question to allow for the randomisation of the list. The respondent should code a maximum of 5 responses. Please tell the respondent they should code a maximum of 5 responses at this question. It can be left blank if the respondent does not feel that any of the things in the list applies to them and you will then be prompted to say whether you have left the question blank because none applied.

RTN4/NN4/AN4/RN4/OSN4 – “Having guests of visitors” means that the respondent may feel unable to invite people to his/her home because of the noise. You may need to make judgements if the respondent queries the meaning of any of the categories. E.g. TV could include web broadcasts.

RTN5a/NN5a/AN5a/RN5a/OSN5a – SHOWCARD – this question asks about Monday to Friday. You must put one response for each row. The codes available for you to code are Yes/No/Not generally home at this time/No particular time/It varies/Don’t know. “No particular time” will probably apply to all 3 time periods so code them for all 3 if that is the response given.

It is important that you are aware of the difference between the two codes No Particular Time and It varies.
- **No particular time** – you should only code this if the respondent is aware that the noise bothers, annoys or disturbs them but is unsure as to what time of day the noise occurs or affects them. In this instance you should normally code no particular time in all 3 rows.

- **It varies** – this should only be coded if the extent to which noise bothers, disturbs or annoys them at that time of day varies so much that they cannot give a general answer.

RTN5b/NN5b/AN5b/RN5b/OSN5b – the same as 5a but about the weekend.

RTN6/NN6/AN6/RN6/OSN6 – SHOWCARD and 7 point scale

RTN7/NN7/AN7/RN7/OSN7 – SHOWCARD and 7 point scale

The difference between these two questions may need to be explained. The first is about how the respondent feels while the noise is actually happening, even if that is only for 3 minutes per year. The second is about the effect on home life in general, taking into account that the noise is not happening all the time – unless it is!

NN8a – SHOWCARD. SINGLE CODE.

NN8b – SHOWCARD. This question asks for up to three responses. You will need to enter the worst, the 2nd worst and 3rd worst. Three separate screens will come up for the data to be entered.

RTN9a/NN9a/AN9a/RN9a/OSN9a - SHOWCARD - only asked of those who have lived in current home for 5 years or more

RTN9b/NN9b/AN9b/RN9b/OSN9b - SHOWCARD - only asked of those who have lived in current home for less than 5 years

NN10 – SHOWCARD – 5 point scale. This is purely to record the respondent’s opinion and there will be no follow-up with neighbours.

NN11 – SHOWCARD – 5 point scale. This is not asked of those living in a detached house. In other cases, it is important to get the respondent’s view of the insulation of other homes they are directly attached to (in the case of flats/maisonettes, this includes other flats/maisonettes above or below them).

RTN12a/NN12a/AN12a/RN12a/OSN12a – SHOWCARD – respondents may need some help to distinguish between vibration and noise. If they ask, the sound of a lorry passing is noise but the noise from windows rattling as the lorry passes is vibration. They may experience both noise and vibration at the same time but they should try to answer independently about the vibration as well as they can. There is an additional code NO VIBRATION on screen that is not on the showcard. If respondent says they don’t feel any
vibration or are not aware of any vibrations, please use the NO VIBRATION code. If they notice vibration but are not at all bothered, annoyed or disturbed by it, then code 1 should be used.

RTN13/NN13/AN13/RN13/RN13a/OSN13 – open ended question.

Section O

This section is asked of ALL respondents

O1a and O1b – please note that these questions will be alternated so that on one interview you will have O1a and in another interview you will have O1b. This is an important question, giving us an overview of response to noise, once the respondent has thought in detail about the main sources of noise annoyance.

O2 – SHOWCARD. Code all that apply

O3 – asked only if “noise from outdoors” is coded at O2. Whether aircraft are counted as night flights or day flights is for the respondent to judge. Where a “Specific” box is ticked (for roads, rail or neighbour noise), the next screen will give options for which specific type it is. It may sometimes be appropriate to code both general and specific for the same noise type (e.g. roads) but only where the respondent is clear that his/her sleep is affected by (say) roads in general and one or more specific types of road noise.

O4 – asked only of those who say “noise from outdoors” or “noise from neighbouring homes”. “Day” includes night.

O5 – SHOWCARD – CODE ALL THAT APPLY

O6 – SHOWCARD – CODE ALL THAT APPLY. Emphasise “whole home” – this question is not just about bedrooms and sleeping.

O7 – SHOWCARD – CODE ALL THAT APPLY

O8a SHOWCARD – Although people may try to tell you which of the things on the card they have done, at this question you simply need to record whether they or someone else in their household have done one or more of the things on the card – either yes or no. The question asks about what they have done while living in their current home within the past 5 years. If the respondent has lived in the home for less than 5 years they should just think about the time period they have lived in the home.

If they haven’t taken any of these actions they will be routed to O10.

09b/O9a/O9e SHOWCARDS – record all the types of noises that the respondent or someone in their household has taken some action about. The question asks about what
they have done while living in their current home within the past 5 years. If the respondent has lived in the home for less than 5 years they should just think about the time period they have lived in the home. O8d will ask for more specific information about some noise types, e.g. if an aircraft was it a commercial plane, light aircraft, etc.

O10 is a check question to ensure that we capture all the noises that have caused people to take action. If a noise was mentioned at A9 as either extremely, very or moderately annoying but not mentioned at O9b as a noise they have taken action about, O10 will be asked. Again the question asks about what they have done while living in their current home within the past 5 years. If the respondent has lived in the home for less than 5 years they should just think about the time they have lived in the home. O10 confirms whether or not any action was taken and if it is found that action was taken, O9e will be asked to establish the specific noise.

O8 SHOWCARD – Together, O9b/O9a/O9e will allow CAPI to present a list of all noise types about which some action has been taken. This question identifies what action was taken for each of these noise types. Again, the question asks about what they have done while living in their current home within the past 5 years. If the respondent has lived in the home for less than 5 years they should just think about the time they have lived in the home. In some cases, the respondent will have taken exactly the same action about an incident that involved more than one type of noise; they will be asked independently about each type of noise because the outcome of the action might have differed between noise types.

O9f asks about the effectiveness of the action taken for each of the noise types at O8. Some respondents may have taken the same action about the same noise type more than once (e.g. wrote the Council three times about noise from road works) – we want their opinion about the effectiveness overall, taking into account that, for example, it may not have done any good the first time.

O14 is an open ended question – the record the response. No need to press if the respondent cannot immediately think of anything.

O11 WHITE SHUFFLE CARDS. This question is asked of ALL respondents. Interviewer to hand green shuffle cards to respondent - please ensure that the green shuffle cards have been thoroughly shuffled prior to handing them to the respondent. It is important that the cards are shuffled between interviews.

The respondent must pick up to 5 shuffle cards that they personally think are the worst problems with the environment for people “around here”. Once they have selected the 5 shuffle cards the interviewer should take the 5 cards from the respondent and enter the problems on the precoded list on the CAPI screen. Note that the list deliberately does not include the local economy or crime.
**O12** SHOWCARD - the question asks them whether they or someone else in their household have taken any actions on the card whilst living in their current home within the past 5 years.

**O13** SHOWCARD - will be asked for each of the environmental issues listed below. These issues must also have been recorded at O11 in order to be asked at O13.

- Dust and dirt
- Smells
- Litter and/or rubbish
- Pests
- Damage or annoyance caused by vibration
- Too much light from streetlights, floodlights, security lights, shops etc
- Fouling by dogs

**O13a** will be asked for each action taken. Some respondents may have taken the same action about the same issue more than once (e.g. wrote the Council three times about litter) – we want their opinion about the effectiveness overall, taking into account that, for example, it may not have done any good the first time.

The next few questions ask about places for peace and quiet. It is very important to emphasise that the questions are about outdoor areas that they visit specifically to find peace and quiet, not just places they visit for some other reason that happen to be quiet.

**O16** asks about areas outdoors they visit for peace and quiet. Only the first three options (Yes – Park / Yes – Country area / Yes – Other open/outdoor space) are counted for the routing to include the next two questions.

**O17** asks how often they visit the outdoor space for peace and quiet. It may vary through the year but try to get an “average” answer. This question is only asked of those who visit outdoor spaces for peace and quiet.

**O18** asks how long they have to travel to the quiet outdoor space (the one they visit most often, if there is more than one). This question is only asked of those who visit outdoor spaces for peace and quiet.

**O19** asked of all – be aware that there is a text substitution based upon answers to O16.

**O20** – asked only of those who do not wish to go to quiet outdoor places
Section H

H1 to H15 are asked of all respondents.

H5 – give your own estimate in all cases, in case the respondent is wrong.

H6 – private landlord includes renting from a family member. Free accommodation is “Other”.

H14 – If the respondent is in an HMO or residential home, include only the people in the respondent’s own part of the home.

H16 – asked only of those who work full or part time.

H17 chief income earner question – asked of all respondents

H18 and H19 are permission questions to allow Defra to receive addresses for data analysis and for including the respondents in future surveys. This is particularly important for Defra’s noise mapping – you have been provided with an example map in case this is useful to show the respondent and other maps are available on the Defra website.

H20 – quality control question

The survey now ends. Please make your leave of the household but be aware that there are observational questions that need to be completed by you after this section.

Section I

These items are the interviewers’ observations for you to complete when the interview is finished. This section may be completed in the respondent’s home but you may find it better to complete it once you have left the property.

I1 – This asks you to give us your opinion on the respondents’ level of hearing, i.e. whether they had difficulty hearing (difficulty hearing means how they normally hear, so they may hear very well with a hearing aid and you should code how well they hear with the hearing aid in use).

I4 – A “country village” does not include part of a town that local people refer to as a village.

I6 – A “road junction” includes any kind of road junction, even if it is a T-junction of two country lanes, but not motorway slip roads.
Show Material

There are two sets of showcards (one printed on white card and one on pink) and two sets of shuffle cards (one set printed on green card and one on white card). The CAPI script will inform you which showcards/shuffle cards you should be using. If you are interviewing in Wales, Welsh language cards are available.

V1.A7.8 Interviewing

When to Interview

Please select: Day time (6 hours between 9am and 9 pm) ☒
Afternoon / Evening (6 hours between 2pm and 9pm) ☒
Saturday ☒
Sunday ☒

Other (please specify): If you are being accompanied then you will need to be flexible with the times of day you work.

It is imperative that the interviewees are recruited at the times stipulated above; failing which GfK NOP reserves the right to withhold payment of the interview fees.

Place of Interview

Please select: In Home ☒
In Street ☐
In Store ☐

Where to Interview

Only at the addresses shown on your address listing/ contact sheets.
Number of Interviews Required

As many as possible with eligible/selected individuals, subject to only one interview per eligible household and no use of substitutes.

Fieldwork Dates

7th December 2011 to 27th February 2012

Interviewing Vulnerable Adults

A vulnerable adult is an individual who may have a learning disability, a mental / physical disability, visual / hearing impairment.

Rule A10 of the MRS Code states – First, do no harm.

We must take all reasonable precautions to ensure that Respondents are not harmed or adversely affected as a result of participating in a research project.

You should:
- Clearly provide your identification, and that of GfK NOP and explain the purpose of your visit
- Contact the warden if you are interviewing in sheltered housing
- Terminate the interview if it becomes apparent that the respondent lacks the capacity to give informed consent – always be polite and thank them for their time
- Give consideration to notices requesting private callers only

V1.A7.9 Communications

If you have an urgent query please contact your Area Manager or the Project Manager. NOTE: If your Area Manager is not in, you should leave the required information on the Ansaphone.

If you have a CAPI-related query please contact the CAPI Helpline on 0800 279 8999. The CAPI Helpline operational hours are as follows.

Monday – Friday  17:30 – 21.00
Saturday – Sunday  09.00 – 18.00
E-SMS Daily Updates

It is really important that you make an entry for every visit to an address even if you do make contact. This helps the head office track the progress of the survey as a whole. This progress report needs to be completed every day that you work. Please contact your area manager if you have any queries about doing this.

Sample/Address Listings

Please don’t forget that you are responsible for keeping all sample and address listings, and any other records containing personal data, secure whilst they are in your possession.

We hope you enjoy working on this project.

Good Luck!

V1.A7.10 Specific Noise Types

In addition to the main instructions, in cases where there was considered to be some ambiguity, interviewers were given written instructions on how particular noise types should be coded. In the main, the correct coding is indicated by the show cards and/or noise categories shown in the noise modules. Table V1.A7.1 shows the guidance on how specific noises were to be categorised, for noises that either were not listed in the questionnaire or on show cards, or that interviewers might have thought belonged under another category.

<table>
<thead>
<tr>
<th>Noise type</th>
<th>Included as noise from:</th>
<th>Not included as noise from:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Car park</td>
<td>Any other kind of road</td>
<td></td>
</tr>
<tr>
<td>Private road</td>
<td>Any other kind of road</td>
<td></td>
</tr>
<tr>
<td>Track</td>
<td>Any other kind of road</td>
<td></td>
</tr>
<tr>
<td>Refuse/recycling collection</td>
<td>Vehicle type as listed</td>
<td>Neighbours (outside their homes) / Other people nearby</td>
</tr>
<tr>
<td>vehicles</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Road cleaning vehicle</td>
<td>Any other kind of vehicle</td>
<td></td>
</tr>
<tr>
<td>Military vehicles/armour on road</td>
<td>Any other kind of vehicle</td>
<td></td>
</tr>
<tr>
<td>Horse &amp; cart on road</td>
<td>Any other kind of vehicle</td>
<td>Other people nearby / Other entertainment or leisure / Forestry, farming or agriculture</td>
</tr>
</tbody>
</table>

A7-30
<table>
<thead>
<tr>
<th>Noise type</th>
<th>Included as noise from:</th>
<th>Not included as noise from:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open-top tour bus</td>
<td>Any other kind of vehicle</td>
<td>Other people nearby / Other entertainment or leisure</td>
</tr>
<tr>
<td>Tractor/agricultural vehicle on road</td>
<td>Any other kind of vehicle</td>
<td>Forestry, farming or agriculture</td>
</tr>
<tr>
<td>Tyres screeching</td>
<td>Vehicles accelerating / going too fast</td>
<td></td>
</tr>
<tr>
<td>Exhausts</td>
<td>Vehicles accelerating / going too fast</td>
<td></td>
</tr>
<tr>
<td>Police/other sirens</td>
<td>Road traffic noise type as listed</td>
<td>Community buildings</td>
</tr>
<tr>
<td>Pedestrian crossing signals</td>
<td>Any other kind of noise from road vehicles</td>
<td></td>
</tr>
<tr>
<td>Mowing grass verges</td>
<td>Any other kind of noise from road vehicles</td>
<td></td>
</tr>
<tr>
<td>Neighbours and other people nearby</td>
<td>Neighbours (inside / outside their homes) / Other people nearby – according to the location of the source</td>
<td>Neighbours (inside / outside their homes) / Other people nearby – according to the location of the receiver</td>
</tr>
<tr>
<td>Internet broadcasts</td>
<td>Radio, TV, music</td>
<td></td>
</tr>
<tr>
<td>Cats</td>
<td>Other domestic animals</td>
<td></td>
</tr>
<tr>
<td>Horse in garden</td>
<td>Other domestic animals</td>
<td>Sports / Other entertainment or leisure / Forestry, farming or agriculture</td>
</tr>
<tr>
<td>Birds</td>
<td>Other domestic animals</td>
<td></td>
</tr>
<tr>
<td>DIY (hammering, drilling, etc.)</td>
<td>As listed</td>
<td>Building, construction, demolition, renovation or road works</td>
</tr>
<tr>
<td>Burglar alarms (signals from indoor control box)</td>
<td>Neighbours (inside their homes)</td>
<td></td>
</tr>
<tr>
<td>Plumbing/toilets</td>
<td>Any other kind of noise from neighbours inside their homes</td>
<td></td>
</tr>
<tr>
<td>Vehicle doors slamming</td>
<td>Other people nearby – Cars / motor cycles starting up / leaving or being repaired, etc.</td>
<td></td>
</tr>
<tr>
<td>Burglar alarms (alarm sounding outdoors)</td>
<td>Neighbours (inside / outside their homes) – according to where the alarm is sounding</td>
<td>Neighbours (inside / outside their homes) – according to where the neighbours are</td>
</tr>
<tr>
<td>Neighbour’s swimming pool</td>
<td>Neighbours (outside their homes)</td>
<td></td>
</tr>
</tbody>
</table>

---

221 This is not a vehicle noise as such but this is the nearest category.
<table>
<thead>
<tr>
<th>Noise type</th>
<th>Included as noise from:</th>
<th>Not included as noise from:</th>
</tr>
</thead>
<tbody>
<tr>
<td>or water feature pump</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Trains or railway stations</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>People at the station</td>
<td>Stations (loudspeakers, etc.)</td>
<td></td>
</tr>
<tr>
<td>Level crossings</td>
<td>Other/unknown types of railway noise</td>
<td></td>
</tr>
<tr>
<td><strong>Aircraft, airports or airfields</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seaplane</td>
<td>Any other kind of non-military aircraft</td>
<td>Sea, river or canal traffic</td>
</tr>
<tr>
<td><strong>Sports</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shooting (for sport)</td>
<td>As listed</td>
<td>Forestry, farming or agriculture</td>
</tr>
<tr>
<td>Playing fields</td>
<td>As listed</td>
<td>Other entertainment or leisure</td>
</tr>
<tr>
<td>Model aircraft</td>
<td>As listed</td>
<td>Aircraft, airports or airfields</td>
</tr>
<tr>
<td>Water sports</td>
<td>As listed</td>
<td>Sea, river or canal traffic</td>
</tr>
<tr>
<td>Sports ground / playing field maintenance (e.g. mowing)</td>
<td>Other</td>
<td></td>
</tr>
<tr>
<td><strong>Other entertainment or leisure</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hot air balloons</td>
<td>As listed</td>
<td>Other people nearby / Aircraft, airports or airfields / Sports</td>
</tr>
<tr>
<td>Quad bikes (off road)</td>
<td>Other</td>
<td>Road traffic / Sports</td>
</tr>
<tr>
<td>Horse &amp; rider (not racing or farming)</td>
<td>Other</td>
<td>Road traffic / Other people nearby / Sports / Forestry, farming or agriculture</td>
</tr>
<tr>
<td>Model boats</td>
<td>Other</td>
<td>Sea, river or canal traffic</td>
</tr>
<tr>
<td>Party boats</td>
<td>Other</td>
<td>Sea, river or canal traffic</td>
</tr>
<tr>
<td><strong>Other commercial premises</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Offices</td>
<td>Other</td>
<td></td>
</tr>
<tr>
<td><strong>Forestry, farming or agriculture</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tractors (on the farm)</td>
<td>As listed</td>
<td>Road traffic / Neighbours (outside their homes)</td>
</tr>
<tr>
<td>Other farm vehicles (on the farm)</td>
<td>Other</td>
<td>Road traffic / Neighbours (outside their homes)</td>
</tr>
<tr>
<td>Mowing fields on farm</td>
<td>Other</td>
<td></td>
</tr>
<tr>
<td>Hedge trimming on farm</td>
<td>Other</td>
<td></td>
</tr>
<tr>
<td><strong>Community buildings</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clinics, surgeries, “care in the community” homes</td>
<td>Other</td>
<td>Neighbours (inside / outside their homes) / Other people nearby</td>
</tr>
<tr>
<td>Mowing school fields</td>
<td>Schools</td>
<td></td>
</tr>
<tr>
<td>Noise type</td>
<td>Included as noise from:</td>
<td>Not included as noise from:</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------</td>
<td>-------------------------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td>Any other noise</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wind farms / large wind turbines</td>
<td>Other</td>
<td></td>
</tr>
<tr>
<td>Military practice (other than ships, aircraft and vehicles on roads)</td>
<td>Other</td>
<td>Road traffic / Aircraft, airports or airfields / Sea, river or canal traffic</td>
</tr>
<tr>
<td>Natural noises – wind, rain, running water, waves, wild/feral animals (including wild horses)</td>
<td>Other</td>
<td></td>
</tr>
</tbody>
</table>

Table V1.A7.1 - Noise type classification
Appendix V1.A8  Briefing Slides

National Noise Attitude Survey 2012

Today's Agenda
- Introduction to the survey 11.00
- Sample and Contact Sheet 11.20
- Making contact and ensuring participation 11.40
- Field admin and ESMS 12.00
- The questionnaire and key issues 12.10
- Lunch 12.15
- Final interview 13.10
- Final questions 15.15

Introduction to the survey

Survey covers all sources of noises

Complaints about noises
- In 2000/01 nearly 200,000 complaints were made to Lasa about noise in England & Wales (C2E area)
- But only 50% of Lasa provided data
- Most people do not complain

Previous national surveys
- Other national noise attitude surveys were carried out 10 and 20 years ago
- We hope to be able to compare some of the results from this survey with the previous surveys
- For this reason some of the questionnaire has been left unchanged
Previous findings

Properties bothered, annoyed or disturbed (UK, 2000)

- Road traffic noise: 45% - 2%
- Neighbour noise: 37% - 2%
- Aircraft noise: 30% - 2%
- Building, construction, demolition, road work: 15% - 2%
- Railway noise: 6% - 1%

No significant change in the proportion bothered by road traffic noise but a significant increase in the proportion bothered by neighbour noise between 1996 and 2000 results.

Noise Policy Statement for England (NPSIE)

NPSIE published in March 2010

NPSIE sets out the long term vision of Government Noise Policy in England which is to: “Promote good health and a good quality of life through the effective management of noise within the context of Government policy on sustainable development.”

The National Noise Attitude Survey 2012 is part of the implementation of the NPSIE.

Noise maps

An important survey

- This survey is the main way that Defra gets detailed information about what people really think about noise
- Very large scale - 3,200 interviews
- Results will be used to formulate government policy, to persuade others to take noise seriously, and to help Defra officials provide advice to ministers
- Results intended to help provide the foundation for noise policy over the next 5 – 10 years

... and finally

Thank you

The Sample and Contact sheet
The Issued Sample

- Drawn from small-user PAF as usual
- 33 addresses issued per point (36 in Greater London)
  - separate front door (e.g., row of cottages)
  - many doors (e.g., flats in a block)
  - multiple entrances
- One Contact Sheet per address
- One letter per address

Dwelling selection

- At nearly all addresses, no selection will be necessary
- If necessary count whatever appears like a separate address at the precise printed location. Some cases may be:
  - separate front door (e.g., row of cottages)
  - many doors (e.g., flats in a block)
  - multiple entrances
- Count the number of flats/houses (include vacant dwellings)
- Select one dwelling using the Kish grid (page 2)
- Write in selected number at Q3
- You MUST write description of how to identify the selected flat/house in the address information box
R. INTRODUCTION

Defining the household

- To be a household, residents must either:
  - share a living room, or
  - share at least one meal a day, or
  - share substantial amount of domestic arrangements (e.g., food shopping)

- You must check how many households there are at an address
- Do not count lodgers as separate households
- Do not count those away for three months or more as household members
- Select one household at random if necessary (1/10 grid)
- This will only happen rarely
- Contact head office if anything is complex or unclear

S. HOUSEHOLD SELECTION

- Ensure that the household selected is living in the building. Apply to the household surveyor to recruit a new household if none are available or if the one already available is not suitable.

<table>
<thead>
<tr>
<th>Households of Household Surveyed</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Ensure that the household selected is living in the building. Apply to the household surveyor to recruit a new household if none are available or if the one already available is not suitable.

<table>
<thead>
<tr>
<th>Households of Household Surveyed</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Ensure that the household selected is living in the building. Apply to the household surveyor to recruit a new household if none are available or if the one already available is not suitable.

<table>
<thead>
<tr>
<th>Households of Household Surveyed</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Ensure that the household selected is living in the building. Apply to the household surveyor to recruit a new household if none are available or if the one already available is not suitable.

<table>
<thead>
<tr>
<th>Households of Household Surveyed</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Final outcome

- Must ensure there is a final outcome coded for all addresses
- You must also complete the ESMS for each address at the end of each working day
- When you have a final outcome code for an address please return your Contact Sheet as soon as possible

Please return ALL Contact Sheets to Chelmsford data centre
**Best practice**
- Evenings and weekends will be the most productive times to call
- But retired people and at-home mums will be in during the day
- Plan your call pattern
- Be prepared for questions about the survey
- Back off before you get an outright refusal
- Confidence on the doorstep - assume that they will say yes!

**Maximising response**
- Full Interviewer briefings
- Advance letter to all sampled addresses
- Helpline and an email address for respondents to make contact
- Calling cards
- Multiple calls over the full fieldwork period
- Focus on evening and weekend interviewing

**Advance letters**
- One per address
- Addressed to The Householder as PAP sample
- Supplied with postage paid envelopes
- Post in batches depending on your working schedule
- Allow 4 days between posting and calling to ensure letter has arrived
- Spare copies for multi-dwelling addresses/post in post

**Possible reactions on the doorstep**
- "I don't want the Government nosing into my private life"
- "Sorry, I'm just not interested"
- "There are no problems round here"
- "What letter?"
- "I'm too busy"
- "I don't want to do it, but you could try next door"
- "I don't want my sound to know what I think"
- "Nothing ever happens as a result of surveys"

**Contact procedure: Key points**
- Check you have a pre-printed contact sheet for each address
- Crucial to locate correct address (nearly always obvious)
- Contact head office if you are in doubt
- If you go to an incorrect address, the interview may need to be re-done
- Minimum of 6 calls at each address over a 21 day period
  - 2+ calls daytime before 6.00pm
  - 2+ weekend calls
  - More than 6 calls if can do so efficiently
Field admin

Agenda
1. Materials/ contact sheets
2. Fieldwork dates/ work schedule
3. Reporting progress

Materials
- Forms are being dispatched today for work tomorrow before 12 noon.
- Upon receipt of your pack please check that you have all the materials indicating the contact sheets. This can be done by cross referencing with your Address Listing.
- Please ensure that you keep a full record of all attempted contacts on the front page of the Contact Sheet.
- It is vital that you complete the questions on the contact sheet properly and that you ensure that a final outcome has been selected on the back page before sending back. You should also add this outcome code to your Address Listing so you can report back via the ESMS.
- We expect Contact Sheets to be sent back regularly; you will be caled if a Contact Sheet is returned within 2 weeks of the last interview. Again please note down the date pushed back to your Address Listing so you can specify the exact date returned when we start checking it.

Fieldwork dates/schedule
- Field work starts Saturday 3rd December
- Don’t make any new calls from 16th December to Christmas, but you can do interviews in that time by appointment.
- You can work between Christmas and New Year if you want to
- Try to visit all addresses once by 16th December
- You must make a minimum of 6 personal calls at an address before regarding it as a no contact.
- 6 calls spread across 2 evenings after 6pm, 2 daytime and 2 weekend
- They must be made on different days of the week, spread over 3 weeks
- All work must be finished by Sunday 28th February

ESMS
What is the ESMS?
- You will know that we have been using the ESMS for a number of years on all multi-activity projects and that we use it as a feedback tool for monitoring progress. It allows us to clearly record response rates and progress across multiple areas.
- It can be seen as a vehicle for all the contact information added to the ESMS, recorded on Information and any field data that comes in as a result of the Advanced letter.
- It is imperative that you keep the ESMS up to date. Otherwise we will be reporting on old information.
- An entry must be made for every visit to every address.

Why?
- For Area Managers to monitor your progress
- For local area offices to monitor each area’s progress
- For our clients to monitor the overall performance of the project
- The Area Manager will be holding weekly meetings with your Area Manager to discuss your individual progress as well as the overall targets to ensure that we are reaching expected response rates.

Contact details
- Advance letter contains details of phone number and name to call if they want to refuse to take part, or cancel or change an appointment.
- We will pass this information to you as soon as possible, but the phone line isn’t manned at weekends.
- If you’re happy to, please give respondents your phone number on the Contact Card supplied, but this isn’t compulsory.
The questionnaire and key issues

Questionnaire blocks
- There is a lot of filtering in the questionnaire
- Questionnaire broken into sections
  - A: general noise questions and impact of types of noise (all)
  - RTN: Road traffic noise (all get first part, those bothered get all)
  - NH: Neighbour noise (all get first part, those bothered get all)
  - AI: Aircraft noise (only those bothered by it)
  - RN: Railway noise (only those bothered by it)
  - GS: Other sources of noise (only those bothered by them)
  - Q4: Mostly complaints about noise, plus questions on quiet (all)
  - Q5: Household and personal demographics (all)
  - Q6: Interviewer observations (completed by interviewer)

CAPI conventions
- Stress words in bold
  - There are questions where only a few words are different
- Single and multi-answer questions
  - Radio button means single code only
  - Tick box means multiple answers
- Red text is for interviewer, and not read out

Transfer of contact sheet information
- Serial Number: entered at the start of the CAPI interview
- Take this from the top of the address contact sheet
- Could not enter this accurately so that we can link the information on contact sheet to the survey data
- Address on CAPI should match that on the contact sheet. CHECK THIS!
- Enter the following information from the Contact Sheet at the beginning of the CAPI interview:
  - Q3 TOTAL number of dwelling units
  - Q4 TOTAL number of households at address
  - Q7 TOTAL number of eligible individuals

CAPI script
D452741
B5452741
B6452741

Practise interview
Some tricky noises

Road traffic | Aircraft, airports | Industrial sites
---|---|---
Neighbors inside | Sea, river or canal | Other commercial
Neighbors outside | Building, construction | Forestry, farming
Other people nearby | Sports | Community buildings
Trains, railways | Entertainment, leisure | Other

Open-topped sightseeing bus with commentary

Tractor on farm next door

Deer or foxes

Zoo animals

House next door used as "Halfway House", hostel etc.
### Some tricky noises

<table>
<thead>
<tr>
<th>Road traffic</th>
<th>Aircraft, airports</th>
<th>Industrial site</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neighbours inside</td>
<td>Sea, river or canal</td>
<td>Other commercial</td>
</tr>
<tr>
<td>Neighbours outside</td>
<td>Building renovation</td>
<td>Farming</td>
</tr>
<tr>
<td>Other people nearby</td>
<td>Sports</td>
<td>Community buildings</td>
</tr>
<tr>
<td>Trains, railways</td>
<td>Entertainment, leisure</td>
<td>Other</td>
</tr>
</tbody>
</table>

### Some tricky noises

<table>
<thead>
<tr>
<th>Road traffic</th>
<th>Aircraft, airports</th>
<th>Industrial site</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neighbours inside</td>
<td>Sea, river or canal</td>
<td>Other commercial</td>
</tr>
<tr>
<td>Neighbours outside</td>
<td>Building renovation</td>
<td>Farming</td>
</tr>
<tr>
<td>Other people nearby</td>
<td>Sports</td>
<td>Community buildings</td>
</tr>
<tr>
<td>Trains, railways</td>
<td>Entertainment, leisure</td>
<td>Other</td>
</tr>
</tbody>
</table>

**DOES ANYONE HAVE ANY REMAINING QUESTIONS?**

**GOOD LUCK AND WE HOPE YOU ENJOY THE SURVEY**
Appendix V1.A9  Fieldwork

V1.A9.1 Interviewers

All interviewing was carried out by fully trained and experienced members of GfK NOP’s interviewing field force, apart from two points in Northern Ireland, which were covered by Millward Brown interviewers (badged as GfK NOP for the purpose of this survey); GfK NOP works regularly with Millward Brown in Northern Ireland. A total of 155 interviewers worked on the survey.

For interviewing, in addition to internal administrative forms, interviewers were provided with:

- contact sheets;
- advance letters;
- address listings;
- calling cards;
- thank-you leaflets, Defra thank-you card and large font thank-you leaflets; and a
- police notification letter (for letting the local constabulary know the interviewer is legitimately in the area).

V1.A9.2 Briefing

All interviewers were personally briefed before starting work on the survey. All but three attended briefing sessions run by a member of the GfK NOP research team, with a representative from Defra playing an active part in all but one of the briefing sessions as well. The interviewers unable to attend a briefing session because of other commitments were personally briefed by their local field area manager, who had herself attended at least one of the briefing sessions.

Twelve briefings were held in all, between November 28 and December 8 2011, at a range of locations across the UK. The first briefing was a master briefing, attended by all those who were going to be involved in any of the briefings, from both the GfK NOP and Defra teams, and by eight interviewers. After this master briefing the average number of interviewers attending each briefing was 14, although only three interviewers attended the Belfast briefing because of the small sample size there. A member of the GfK NOP local field management also attended each briefing.

For the briefing, in addition to internal administrative forms, interviewers were provided with:

- interviewer instructions;
- blank contact sheet;
copy of the advance letter;
white show cards;
pink show cards;
green shuffle cards; and
white shuffle cards.

A copy of the slides used in the interviewer briefing is provided at Appendix V1.A8. In summary, the briefings contained the following elements:

- Introduction to NNAS (usually given by the Defra team) – slides 1-11;
- The Sample and the Contact Sheet, including respondent selection – slides 12-29;
- Making Contact and Maximising Response – slides 30-36;
- Field Administration and Electronic Sample Management System – slides 37-42;
- Introduction to the Questionnaire – definitions and points to be aware of – slides 43-47;
- Practice Interview – slides 48-50;
- On-screen Examples of Parts of the Questionnaire not covered in the practice (not included in slide pack); and
- Discussion of Different Noise Types and how they should be coded – slides 51-63.

V1.A9.3 Fieldwork Schedule

Fieldwork began on 5 December 2011 and work on the initial sample continued until 20 May 2012, with a break for the Christmas period from 16-27 December 2011. Work began on the additional sample on 24 April 2012 and continued until 20 May 2012.

V1.A9.4 Advance Letters

To prepare the way for interviewers, letters were sent to the sampled addresses shortly before the anticipated first call by the interviewer. The text of these letters, for each of the participating nations, can be seen in Appendix V1.A10.

V1.A9.5 Thank-you Leaflets

At the end of each interview, the respondent was offered a leaflet to thank them for participation and tell them how to obtain further information on dealing with noise problems. The text of these leaflets (each one carrying the Defra logo and the appropriate logo for the nation), for each of the participating nations, can be seen in Appendix V1.A11.
V1.A9.6 Supervision and Quality Control

It is part of GfK NOP’s standard quality control procedures, which follow the requirements of the Market Research Society Interviewer Quality Control Scheme, for interviewers to be accompanied while working at least once every six months, and 19 interviewers were accompanied by a supervisor during the course of fieldwork. No significant problems were reported.

The other key element of quality control is back-checking on completed interviews. This was carried out by a specialist team, and was conducted by telephone. All GfK NOP back-check interviews are designed to establish that the interview did indeed take place, took about the expected amount of time, and that the interviewer was polite. There are also survey-specific questions, and in the case of this survey these were:

- that respondents had been given cards to sort into groups;
- that they were asked questions about road traffic noise;
- that they were asked how much noise spoils their home life; and
- that they were asked if they would take part in similar surveys for Defra in future.

The only problems revealed by the validation were that several respondents did not recall receiving the advance letter. Since the advance letters were necessarily addressed to “The Occupier” it is to be expected that a significant number would not be opened, or would be read by only one of the household members. This is a useful lesson for future surveys.

V1.A9.7 Response

Details of response for each of the two waves of sample are shown in Table V1.A9.1 and Table V1.A9.2. The overall response rate is shown in Table V1.A9.3.

The contact sheet included coding of dwelling type, so that checks for any bias in relation to this variable could be made. Details are shown in Table V1.A9.4. The figures show a bias against flat dwellers that many surveys suffer from. In the case of purpose built flats, there is often difficulty gaining entry to the block, whereas converted flats are often located in the inner city and inhabited by younger people who are rarely at home. The “others” category includes residences such as military bases, nursing homes, etc. in this table. There are 411 cases where the data is “missing”. Either no contact sheet was returned by an interviewer, or it was returned but failed to note the building type. As only 22% of these cases were converted to interview, there is a clear bias, but as these cases only form 6% of the total, it is unlikely to invalidate the simple analysis carried out on the record sheets.
<table>
<thead>
<tr>
<th>Number of cases</th>
<th>Percentage of:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>total</td>
</tr>
<tr>
<td><strong>Issued addresses</strong></td>
<td></td>
</tr>
<tr>
<td>Vacant</td>
<td>229</td>
</tr>
<tr>
<td>Demolished</td>
<td>17</td>
</tr>
<tr>
<td>Not yet built</td>
<td>6</td>
</tr>
<tr>
<td>Non-residential</td>
<td>46</td>
</tr>
<tr>
<td>Institution</td>
<td>11</td>
</tr>
<tr>
<td>Could not be found</td>
<td>42</td>
</tr>
<tr>
<td><strong>Total ineligible</strong></td>
<td>351</td>
</tr>
<tr>
<td><strong>Eligible addresses</strong></td>
<td>5,655</td>
</tr>
<tr>
<td>Refusal before respondent selection</td>
<td>929</td>
</tr>
<tr>
<td>No contact with household</td>
<td>544</td>
</tr>
<tr>
<td>Refused entry to block</td>
<td>41</td>
</tr>
<tr>
<td><strong>Respondent selection completed</strong></td>
<td>4,141</td>
</tr>
<tr>
<td>Selected adult profoundly deaf</td>
<td>14</td>
</tr>
<tr>
<td>Interview</td>
<td>2,552</td>
</tr>
<tr>
<td>Selected adult refused</td>
<td>540</td>
</tr>
<tr>
<td>Selected adult not contacted</td>
<td>522</td>
</tr>
<tr>
<td>Refusal by person other than selected adult</td>
<td>130</td>
</tr>
<tr>
<td>Selected respondent ill/away</td>
<td>218</td>
</tr>
<tr>
<td>Language difficulties</td>
<td>34</td>
</tr>
<tr>
<td>Other</td>
<td>131</td>
</tr>
</tbody>
</table>

Table V1.A9.1 - Response Rate for the Initial Sample
<table>
<thead>
<tr>
<th>Number of cases</th>
<th>Percentage of:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>total</td>
</tr>
<tr>
<td><strong>Issued addresses</strong></td>
<td>788</td>
</tr>
<tr>
<td>Vacant</td>
<td>20</td>
</tr>
<tr>
<td>Non-residential</td>
<td>7</td>
</tr>
<tr>
<td>Institution</td>
<td>1</td>
</tr>
<tr>
<td>Could not be found</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total ineligible</strong></td>
<td>32</td>
</tr>
<tr>
<td><strong>Eligible addresses</strong></td>
<td>756</td>
</tr>
<tr>
<td>Refusal before respondent selection</td>
<td>108</td>
</tr>
<tr>
<td>No contact with household</td>
<td>71</td>
</tr>
<tr>
<td><strong>Respondent selection completed</strong></td>
<td>577</td>
</tr>
<tr>
<td>Selected adult profoundly deaf</td>
<td>2</td>
</tr>
<tr>
<td>Interview</td>
<td>251</td>
</tr>
<tr>
<td>Selected adult refused</td>
<td>87</td>
</tr>
<tr>
<td>Selected adult not contacted</td>
<td>88</td>
</tr>
<tr>
<td>Refusal by person other than selected adult</td>
<td>21</td>
</tr>
<tr>
<td>Selected respondent ill/away</td>
<td>103</td>
</tr>
<tr>
<td>Language difficulties</td>
<td>5</td>
</tr>
<tr>
<td>Other</td>
<td>20</td>
</tr>
</tbody>
</table>

Table V1.A9.2 - Response Rate for the Additional Sample
### Table V1.A9.3 - Response Rate for the Combined Sample

<table>
<thead>
<tr>
<th>Type of dwelling</th>
<th>Number of cases (total = 6794)</th>
<th>Percentage converted to interview</th>
<th>Percentage NOT converted to interview</th>
</tr>
</thead>
<tbody>
<tr>
<td>Issued addresses</td>
<td>6794</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vacant</td>
<td>249</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Demolished</td>
<td>17</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not yet built</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-residential</td>
<td>53</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Institution</td>
<td>12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Could not be found</td>
<td>46</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total ineligible</td>
<td>383</td>
<td>6%</td>
<td></td>
</tr>
<tr>
<td>Eligible addresses</td>
<td>6411</td>
<td>94%</td>
<td>100%</td>
</tr>
<tr>
<td>Refusal before respondent selection</td>
<td>1037</td>
<td>16%</td>
<td></td>
</tr>
<tr>
<td>No contact with household</td>
<td>615</td>
<td></td>
<td>10%</td>
</tr>
<tr>
<td>Refused entry to block</td>
<td>41</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Respondent selection completed</td>
<td>4718</td>
<td>74%</td>
<td>100%</td>
</tr>
<tr>
<td>Selected adult profoundly deaf</td>
<td>16</td>
<td></td>
<td>0.3%</td>
</tr>
<tr>
<td>Interview</td>
<td>2803</td>
<td>44%</td>
<td>60%</td>
</tr>
<tr>
<td>Selected adult refused</td>
<td>627</td>
<td></td>
<td>13%</td>
</tr>
<tr>
<td>Selected adult not contacted</td>
<td>610</td>
<td></td>
<td>13%</td>
</tr>
<tr>
<td>Refusal by person other than selected adult</td>
<td>151</td>
<td></td>
<td>3%</td>
</tr>
<tr>
<td>Selected respondent ill/away</td>
<td>321</td>
<td></td>
<td>7%</td>
</tr>
<tr>
<td>Language difficulties</td>
<td>39</td>
<td></td>
<td>1%</td>
</tr>
<tr>
<td>Other</td>
<td>151</td>
<td></td>
<td>3%</td>
</tr>
</tbody>
</table>

Table V1.A9.4 - Conversion Rate by Dwelling Type

<table>
<thead>
<tr>
<th>Type of dwelling</th>
<th>Number of cases</th>
<th>Percentage converted to interview</th>
<th>Percentage NOT converted to interview</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purpose built flat</td>
<td>890</td>
<td>34</td>
<td>66</td>
</tr>
<tr>
<td>Converted flat</td>
<td>193</td>
<td>35</td>
<td>65</td>
</tr>
<tr>
<td>Semi / end terrace</td>
<td>2472</td>
<td>43</td>
<td>57</td>
</tr>
<tr>
<td>Mid terrace</td>
<td>1122</td>
<td>38</td>
<td>62</td>
</tr>
<tr>
<td>Detached</td>
<td>1139</td>
<td>51</td>
<td>49</td>
</tr>
<tr>
<td>Bungalow</td>
<td>410</td>
<td>49</td>
<td>51</td>
</tr>
<tr>
<td>Other</td>
<td>157</td>
<td>8</td>
<td>92</td>
</tr>
<tr>
<td>Missing</td>
<td>411</td>
<td>22</td>
<td>78</td>
</tr>
</tbody>
</table>

Standard procedures for maximising response were followed, including: the use of advance letters to sampled addresses (see Appendix V1.A9.4); a minimum of six calls
being made at each address; calls being made at evening and weekends; calls being spread over a long period; and the interviewers being trained in techniques for encouraging people to take part, but despite this, response rates were considerably lower than anticipated.

This may be partly because the interview was longer than expected – there is a general negative correlation between response rates and interview length. Interviewers are obliged to give respondents a realistic estimate of how long the interview will take, and will in most cases have adjusted this based on experience as fieldwork went on. It is also generally the case that interviewers feel more comfortable persuading someone to take part in an interview they know will not take very long. The following may also have affected response rate:

- feedback from interviewers suggests that the introductory doorstep statement (the interview being about the environment in general) did not appeal;
- in earlier surveys, respondents may have felt “specially chosen” as they were selected from a list of names (the Electoral Register), whereas this time they were selected at the door (after an address had been identified). Thus, interviewers had to enthuse the person who answered the door, but then another member of the household may have been chosen using the Kish grid, so there was a further person to convince; and
- there is also the suggestion that in 1999/2000 there was a general feeling of optimism of a new century, whereas this time, the nation was in a period of financial uncertainty. There is no evidence to support this assertion, it is merely an interesting proposal that emerged during discussion between the various interested partied in drafting this report.

According to interviewer feedback, the topic of noise proved interesting to those who did take part in the survey, but the survey could not be presented in the advance letter or on the doorstep as being about noise – because that would have influenced answers to the early questions addressing noise among other likes and dislikes about the home and neighbourhood, and in the context of other environmental problems. The survey thus had to be presented as being about the more general topic of environmental problems; this was the same as in NNAS2000, but may have been less attractive than noise for potential respondents.

A number of cases were identified as suitable for re-issue, and of these 136 additional interviews were obtained. At this stage 2,552 interviews had been conducted, representing an overall effective response rate (after discounting non-existent, non-residential or unoccupied properties) of 45%.

The additional sample yielded a further 251 interviews, making a total of 2,803 interviews completed. Because of the much shorter time available to approach the additional sample, the response rate was much lower, at only 33%, with much higher proportions away or not contacted.
However, for reasons discussed in more detail in Appendix V1.A12, there was a level of data loss in the transmission of interviews from the interviewers back to the GfK NOP computer servers, and the final total of interviews available for processing was 2,747.

Table V1.A9.5 shows the achieved figures by a number of demographic characteristics and how that compares against 2011 population estimates for those in England and Wales (the Census does not cover Scotland or Northern Ireland)\textsuperscript{222}. Compared with 2011 population data (based on the Census), the NNAS2012 respondents tended to be more likely to be older and/or retired, less likely to be working full time, more likely to be in the social groups A/B and more likely to be owner-occupiers.

<table>
<thead>
<tr>
<th>Coverage</th>
<th>England Only</th>
<th></th>
<th>England and Wales Only</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2011 Census</td>
<td>NNAS 2012</td>
<td>Difference</td>
<td>2011 Census</td>
</tr>
<tr>
<td>Gender</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Male</td>
<td>49.2</td>
<td>49.3</td>
<td>0.1</td>
<td>49.2</td>
</tr>
<tr>
<td>Female</td>
<td>50.8</td>
<td>50.7</td>
<td>-0.1</td>
<td>50.8</td>
</tr>
<tr>
<td>Age</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16-24</td>
<td>14.6</td>
<td>10.8</td>
<td>-3.8</td>
<td>14.6</td>
</tr>
<tr>
<td>25-34</td>
<td>16.7</td>
<td>11.1</td>
<td>-5.6</td>
<td>16.5</td>
</tr>
<tr>
<td>35-44</td>
<td>17.2</td>
<td>15.9</td>
<td>-1.3</td>
<td>17.2</td>
</tr>
<tr>
<td>45-54</td>
<td>16.9</td>
<td>19.0</td>
<td>2.1</td>
<td>16.9</td>
</tr>
<tr>
<td>55-64</td>
<td>14.4</td>
<td>17.4</td>
<td>3.0</td>
<td>14.4</td>
</tr>
<tr>
<td>65+</td>
<td>20.2</td>
<td>25.8</td>
<td>5.6</td>
<td>20.3</td>
</tr>
<tr>
<td>Employment Status</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Working Full Time</td>
<td>47.1</td>
<td>38.4</td>
<td>-8.7</td>
<td>46.9</td>
</tr>
<tr>
<td>Working Part Time</td>
<td>17.2</td>
<td>13.7</td>
<td>-3.5</td>
<td>17.2</td>
</tr>
<tr>
<td>Unemployed</td>
<td>4.5</td>
<td>3.3</td>
<td>-1.2</td>
<td>4.5</td>
</tr>
<tr>
<td>Retired</td>
<td>14.2</td>
<td>29.6</td>
<td>15.4</td>
<td>14.3</td>
</tr>
<tr>
<td>Education</td>
<td>3.6</td>
<td>6.7</td>
<td>3.1</td>
<td>3.6</td>
</tr>
<tr>
<td>Other</td>
<td>13.4</td>
<td>8.3</td>
<td>-5.1</td>
<td>13.5</td>
</tr>
<tr>
<td>Social Grade</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A/B</td>
<td>23.0</td>
<td>34.4</td>
<td>11.4</td>
<td>22.7</td>
</tr>
<tr>
<td>C1</td>
<td>30.9</td>
<td>29.4</td>
<td>-1.5</td>
<td>30.8</td>
</tr>
<tr>
<td>C2</td>
<td>20.6</td>
<td>17.5</td>
<td>-3.1</td>
<td>20.8</td>
</tr>
<tr>
<td>D/E</td>
<td>25.5</td>
<td>18.7</td>
<td>-6.8</td>
<td>25.7</td>
</tr>
<tr>
<td>Tenure</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Being Bought on a Mortgage</td>
<td>39.3</td>
<td>37.2</td>
<td>-2.2</td>
<td>39.3</td>
</tr>
<tr>
<td>Owned Outright by Household</td>
<td>25.5</td>
<td>37.9</td>
<td>12.4</td>
<td>25.7</td>
</tr>
<tr>
<td>Rented from Local Authority</td>
<td>8.9</td>
<td>4.8</td>
<td>-4.1</td>
<td>8.9</td>
</tr>
</tbody>
</table>

\textsuperscript{222} Differences above 5% are in bold and italic.
<table>
<thead>
<tr>
<th>Coverage</th>
<th>England Only</th>
<th></th>
<th></th>
<th>England and Wales Only</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2011 Census</td>
<td>NNAS 2012</td>
<td>Difference</td>
<td>2011 Census</td>
<td>NNAS 2012</td>
<td>Difference</td>
</tr>
<tr>
<td>Rented from Housing Association</td>
<td>7.6</td>
<td>5.7</td>
<td>-1.9</td>
<td>7.5</td>
<td>5.5</td>
<td>-2.0</td>
</tr>
<tr>
<td>Rented from Private Landlord</td>
<td>16.9</td>
<td>13.0</td>
<td>-4.0</td>
<td>16.8</td>
<td>12.7</td>
<td>-4.1</td>
</tr>
<tr>
<td>Shared Ownership</td>
<td>0.7</td>
<td>0.2</td>
<td>-0.5</td>
<td>0.7</td>
<td>0.2</td>
<td>-0.5</td>
</tr>
<tr>
<td>Other</td>
<td>1.1</td>
<td>1.1</td>
<td>0.0</td>
<td>1.1</td>
<td>1.0</td>
<td>-0.1</td>
</tr>
<tr>
<td>Refused</td>
<td>N/A</td>
<td>0.3</td>
<td>N/A</td>
<td>N/A</td>
<td>0.3</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Table V1.A9.5 - NNAS2012 Sample Percentages Compared with 2011 Population Estimate
Appendix V1.A10  Advance Letters

V1.A10.1  England and Wales (English Language)

Addressed from the Department for Environment, Food and Rural Affairs (Technical and Evidence Team, Atmosphere and Local Environment Programme)

Dear Sir/Madam,

Local Environmental Issues

I am writing to ask for your help with an important national survey which is looking into local environmental issues. The survey is being undertaken by the Department for Environment, Food and Rural Affairs (Defra) and the research will be used to inform government policies on these issues in the future.

Why did we choose you? Your home has been selected at random from a list of all addresses in the country for inclusion in the survey. To ensure our results are accurate, we rely on the voluntary co-operation of people in selected homes – no other address can take the place of yours. We would like to interview one person in your household who is aged 16 or over. If there is more than one person living at this address who is aged 16 or over, the interviewer will select one person at random from the household to be interviewed.

What happens next? GfK NOP, the independent research company, has been commissioned to conduct the survey. An interviewer will contact you in the near future to arrange a time that would be convenient for the selected member of your household to be interviewed. Please show this letter to other members of the household so they know an interviewer will call. When they visit, all GfK NOP interviewers wear or carry identification badges bearing their photo.

Will my response be kept confidential? Your answers will be treated in the strictest confidence. It will not be possible for any individual person to be identified from the survey findings and the information will be used by the research team for statistical purposes only.

What should I do if I need further information or help with the survey? If you would like any more information about the survey please contact GfK NOP on 0800 692 0169 or email Defra@gfk.com. When making contact, please quote your full address and the reference number at the top of this letter. If GfK NOP is unable to answer all your queries, please contact the Defra Helpline on 08459 33 55 77 (Mon-Fri 0900-1700) or email defra.helpline@defra.gsi.gov.uk.

Thank you very much for your help.

Yours sincerely
Materion Amgylchedd Lleol

Rwyf yn ysgrifennu atoch i ofyn am eich help gydag arolwg cenedlaethol pwysig sy'n edrych ar faterion amgylchedd lleol. Caiff yr arolwg ei gynnal gan Adran yr Amgylchedd, Bwyd a Materion Gwledig (Defra) a'r Gweinyddiaeth Datganoledig (Cymru, yr Alban a Gogledd Iwerddon) a chaiff yr ymchwil ei defnyddio i lywio polisïau llywodraeth ganolog a'r gweinyddiaeth datganoledig ar y materion hyn yn y dyfodol.

Pam y gwnaethom eich dewis?

Dewiswyd eich cartref ar hap o restr o'r holl gyfeiriadau yn y wlad i'w cynnwys yn yr arolwg. Er mwyn sicrhau bod ein canlyniadau yn gywir, rydym yn dibynnu ar gydweithrediad unigolion mewn cartrefi a ddewiswyd – ni all yr un cyfeiriad arall gymryd lle eich un chi. Hoffem gyfweld ag un person yn eich cartref sy'n 16 oed neu'n hŷn. Os oes mwy nag un person yn byw yn y cyfeiriad hwn sy'n 16 oed neu'n hŷn, bydd y cyfwelydd yn dewis un person ar hap o'r cartref i gyfweld ag ef.

Beth sy'n digwydd nesaf?

Comisiynwyd GfK NOP, y cwmni ymchwil annibynnol, i gynnal yr arolwg. Bydd cyfwelydd yn cysylltu â chi yn y dyfodol agos i drefnu amser a fyddai'n gyfleus i gyfweld â'r aelod o'ch cartref a ddewiswyd. Dangoswch y llythyr hwn i'r aelodau eraill o'r cartref fel eu bod yn gwybod y bydd cyfwelydd yn galw. Pan fyddant yn ymweld â chartrefi, bydd holl gyfwelwyr GfK NOP yn gwisgo neu'n cario bathodynnau adnabod â'u llun arnynt.

A gaiff fy ymateb ei gadw'n gyfrinachol?

Caiff eich atebion eu trin yn gwbl gyfrinachol. Ni fydd yn bosibl adnabod unrhyw unigolyn o ganfyddiadau'r arolwg a dim ond at ddibenion ystadenol y bydd y tîm ymchwil yn defnyddio'r wybodaeth.

Beth y dylwn ei wneud os oes angen rhagor o wybodaeth neu gymorth gyda'r arolwg arnaf?

Os hoffech gael rhagor o wybodaeth am yr arolwg, ffoniwch GfK NOP ar 0800 692 0169 neu anfonwch neges e-bost i Defra@gfk.com. Pan fyddwch yn cysylltu, dyfnnwch eich cyfeiriad llawn a'r rhif cyfeirnod ar frig y llythyr hwn. Os na all GfK NOP ateb eich holl ymholiadau, cysylltwch â Linell Gymorth Defra ar 08459 33 55 77 (Llun-Gwener 0900-1700) neu anfonwch e-bost i defra.helpline@defra.gsi.gov.uk.

Diolch yn fawr iawn am eich help.

Yn gywir
Dear Sir/Madam,

Local Environmental Issues

I am writing to ask for your help with an important national survey which is looking into local environmental issues. The survey is being undertaken by the Department for Environment, Food and Rural Affairs (Defra) on a UK wide basis and is therefore including Scotland. The research will be used to inform government policies on these issues in the future.

Why did we choose you? Your home has been selected at random from a list of all addresses in the country for inclusion in the survey. To ensure our results are accurate, we rely on the voluntary co-operation of people in selected homes – no other address can take the place of yours. We would like to interview one person in your household who is aged 16 or over. If there is more than one person living at this address who is aged 16 or over, the interviewer will select one person at random from the household to be interviewed.

What happens next? GfK NOP, the independent research company, has been commissioned to conduct the survey. An interviewer will contact you in the near future to arrange a time that would be convenient for the selected member of your household to be interviewed. Please show this letter to other members of the household so they know an interviewer will call. When they visit, all GfK NOP interviewers wear or carry identification badges bearing their photo.

Will my response be kept confidential? Your answers will be treated in the strictest confidence. It will not be possible for any individual person to be identified from the survey findings and the information will be used by the research team for statistical purposes only.

What should I do if I need further information or help with the survey? If you would like any more information about the survey please contact GfK NOP on 0800 692 0169 or email Defra@gfk.com. When making contact, please quote your full address and the reference number at the top of this letter. If GfK NOP is unable to answer all your queries, please contact the Defra Helpline on 08459 33 55 77 (Mon-Fri 0900-1700) or email defra.helpline@defra.gsi.gov.uk.

Thank you very much for your help.

Yours sincerely
Northern Ireland

Addressed from the Department for Environment, Food and Rural Affairs (Technical and Evidence Team, Atmosphere and Local Environment Programme)

Dear Sir/Madam,

Local Environmental Issues

I am writing to ask for your help with an important national survey which is looking into local environmental issues. The survey is being undertaken by the Department for Environment, Food and Rural Affairs (Defra) and the Devolved Administrations (Scotland, Wales and Northern Ireland) and the research will be used to inform central government and devolved administration policies on these issues in the future.

Why did we choose you? Your home has been selected at random from a list of all addresses in the country for inclusion in the survey. To ensure our results are accurate, we rely on the voluntary co-operation of people in selected homes – no other address can take the place of yours. We would like to interview one person in your household who is aged 16 or over. If there is more than one person living at this address who is aged 16 or over, the interviewer will select one person at random from the household to be interviewed.

What happens next? GfK NOP, the independent research company, has been commissioned to conduct the survey. An interviewer will contact you in the near future to arrange a time that would be convenient for the selected member of your household to be interviewed. Please show this letter to other members of the household so they know an interviewer will call. When they visit, all GfK NOP interviewers wear or carry identification badges bearing their photo.

Will my response be kept confidential? Your answers will be treated in the strictest confidence. It will not be possible for any individual person to be identified from the survey findings and the information will be used by the research team for statistical purposes only.

What should I do if I need further information or help with the survey? If you would like any more information about the survey please contact GfK NOP on 0800 692 0169 or email Defra@gfk.com. When making contact, please quote your full address and the reference number at the top of this letter. If GfK NOP is unable to answer all your queries, please contact the Defra Helpline on 08459 33 55 77 (Mon-Fri 0900-1700) or email defra.helpline@defra.gsi.gov.uk.

Thank you very much for your help.

Yours sincerely

.
Appendix V1.A11  Thank-you Leaflets

V1.A11.1  England

A Study of Local Environmental Issues

Thank you for participating in our survey. The survey has been undertaken across the UK and the results will be used in the future to shape Government policy on noise pollution in our environment.

If you would like to know more information about what we do or you are subject to a noise problem(s) and would like to know more about how you can deal with this issue, information can be found on the websites outlined below:

http://www.defra.gov.uk/environment/quality/noise


Alternatively, contact the Defra Helpline on 08459 33 55 77 (Mon-Fri 0900-1700) or email defra.helpline@defra.gsi.gov.uk.
V1.A11.2 Wales (English Language)

A Study of Local Environmental Issues

Thank you for participating in our survey. The survey has been undertaken across the UK and the results will be used in the future to shape central government and devolved administration policy on noise pollution in our environment.

If you would like to know more information about what we do or you are subject to a noise problem(s) and would like to know more about how you can deal with this issue, information can be found on the websites outlined below:

http://www.defra.gov.uk/environment/quality/noise/


Alternatively, contact the Defra Helpline on 08459 33 55 77 (Mon-Fri 0900-1700) or email defra.helpline@defra.gsi.gov.uk.

V1.A11.3 Wales (Welsh Language)

Astudiaeth o Faterion Amgylcheddol Lleol

Diolch am gymryd rhan yn ein harolwg. Mae’r arolwg wedi'i gynnal ledled y DU a chaiff y canlyniadau eu defnyddio yn y dyfodol i lywio polisi llywodraeth ganolog a’r gweinyddiaethau datganoledig ym maes llygredd sŵn yn ein hamgylchedd.

Os hoffech gael rhagor o wybodaeth am yr hyn a wnawn neu os ydych yn wynebu problem(au) o ran sŵn a hoffech wybod mwy am sut y gallwch ddelio â’r mater hwn, ceir gwybodaeth ar y gwefannau a nodir isod:

http://www.defra.gov.uk/environment/quality/noise/

http://www.direct.gov.uk/cy/AdvancedSearch/search/C.view=search_cy/results?q=sŵn&s=&sa=0&hf=10

Fel arall, cysylltwch â Llinell Gymorth Defra ar 08459 33 55 77 (Llun-Gwener 0900-1700) neu anfonwch e-bost i defra.helpline@defra.gsi.gov.uk.
V1.A11.4 Scotland

A Study of Local Environmental Issues

Thank you for participating in our survey. The survey has been undertaken across the UK and the results will be used in the future to shape Government policy on noise pollution in our environment.

If you would like to know more information about what this survey contact the Defra Helpline on 08459 33 55 77 (Mon-Fri 0900-1700) or email defra.helpline@defra.gsi.gov.uk

If you are subject to a noise problem(s) and would like to know more about how you can deal with this issue in Scotland, information can be found on the website below:


Alternatively, you should contact your local authority or email noise@scotland.gsi.gov.uk

V1.A11.5 Northern Ireland

A Study of Local Environmental Issues

Thank you for participating in our survey. The survey has been undertaken across the UK and the results will be used in the future to shape Government policy on noise pollution in our environment.

If you would like to know more information about what we do or you are subject to a noise problem(s) and would like to know more about how you can deal with this issue, information can be found on the websites outlined below:

http://www.defra.gov.uk/environment/quality/noise/


http://www.noiseni.co.uk/

Alternatively, contact the Defra Helpline on 08459 33 55 77 (Mon-Fri 0900-1700) or email defra.helpline@defra.gsi.gov.uk.
Appendix V1.A12  Data Processing

V1.A12.1  Data Transfer

Completed interviews are automatically transferred from interviewers’ CAPI laptops to GfK NOP’s central CAPI server each time the interviewer dials in to the server. The data transfer software interrogates the interviewer’s laptop, and transfers data from all interviews identified by the CAPI program as complete.

The total number of interviews conducted, according to the Electronic Sample Management Information (ESMS) completed by the interviewers each day that they work, was 2,803. It is always possible in a CAPI survey that some completed interviews will be lost in the process of transmission from the interviewers’ CAPI machines to the head office servers where the data are processed. This is the modern equivalent of questionnaires that used to get lost in the post in the days of pen and paper interviews.

Because of the risk of transmission failure, back-up copies of interviews are kept on the CAPI terminal, but in some circumstances it is impossible to restore the archived copy, and the interview is lost. It is usually possible to restore missing cases in this way, but on this particular survey a combination of circumstances meant the number lost was higher than usual, at 56, which represents 2% of all completed interviews.

There were a number of software communication problems, associated with the use of an updated version of the software, which led to a lot of interviews failing to upload during communication between the interviewers’ CAPI machines and the central servers, without this being flagged as a problem. Once the data processing started, this discrepancy became apparent, and GfK NOP put the standard retrieval process into action. Unfortunately several interviewer machines had been sent back to head office for a software upgrade and because there had been no indication of any missing data at that point, the machines were wiped clean as part of this install, and the data were lost. As a result of these problems, the number of interviews processed was 2,747.

Of the 56 missing interviews, 26 were from just six sampling points. The great majority of the missing data came from two sampling points.

V1.A12.2  Data Editing

One of the great advantages of the use of CAPI is that almost all of the mistakes it was possible for an interviewer to make in following the routing of the questionnaire
have been removed, since the CAPI script (if properly written and tested) will always present the interviewer with the correct next question given the answer to the previous one. In addition to this, the required SPSS file data output was produced not simply by using the built-in SPSS export that is part of the Dimensions software, but rather by first writing tabulations and then creating the SPSS file from these. This means there was a further level of checking on the structural integrity of the data, because the sample base for each table of findings was set as the definition from the questionnaire of who was meant to have answered each question, and the data processing team could see easily whether people had answered a question they should not have done, or not answered one that they should have. This approach also produces a more user-friendly file than exporting to SPSS directly from the CAPI software.

The data analysts employed by Defra raised a number of queries about the data, particularly around conventions of presenting data (e.g. a multi-coded variable as opposed to a series of dichotomous variables), or the way the tables had been specified. Two data errors were identified by this process. The first is that, for reasons that were unable to be established, two respondents had managed to give two different answers for one particular attitude question. It was decided to set these to “not answered”. The other error was that there were a dozen cases where the number of people in the household in a particular age group was 9. GfK NOP identified that all instances were from the same interviewer and decided that this must have been a consistent mis-punch for zero; the data were edited accordingly.

Some errors cannot be eliminated by data processing and need to be managed at the analysis stage. A particular lesson for future surveys is that interviewers appear to have over-used “Other” codes, where a response was either available as a precode or could have been assigned to a precode (e.g. the precode is “Noise” and the “Other” response is “Traffic noise”). Additional training of the interviewers could reduce this error in future.

The data was “cleansed”, before analysis began. This is a process by which all “missing” responses are checked and coded to a common framework. The reason for this is that there were a number of reasons for a non-response, including:

- not applicable – due to routing, the question was not asked of the specific respondent;
- refused to answer;
- answered “Don’t know”; and
- did not hear/was not exposed to a particular noise source.

Each of these particular examples was coded with a different numerical code that identified it as a “missing” response, but also categorised the reason for the missing response.
V1.A12.3 Weighting

Selection Weighting

As noted in Appendix V1.A1.1, the selection of a person to be interviewed at each selected address creates biases that need to be countered by weighting the data. To calculate a person's chance of being interviewed: the number of dwellings at the address is multiplied by the number of households within the selected dwelling, by the number of adults in the selected household. The probability of selection is the inverse of this number, and to correct for it, the weight becomes the probability of selection.

Any form of weighting has a negative effect on the precision of the data, as it reduces the effective sample size and thus increases sampling error. The impact of weighting on effective sample size is mainly determined by the extreme high and low weights, and the number of respondents who receive those weights.

In the case of selection weighting, the multiplication of three selection factors described above can lead to very large weights. A tenement building that contained 10 flats, and where the selected flat contained a single household of four adults would result in a selection weight of 10 x 1 x 4 = 40. To minimise the effect of weighting on effective sample size it is standard practice to “cap” selection weights at an agreed level, so that all respondents whose weight should in theory be above the cap level receive instead a weight of the cap level itself. Sensitivity analysis was carried out looking at the benefits, or otherwise, of capping the weightings at 5 and 10. As can be seen from Table V1.A12.1, the capping doesn’t make a substantial difference to the key A9 question (When you are at home, to what extent are you personally bothered, annoyed or disturbed by noise from … ?). Therefore, a decision was made to cap at 10 to reduce the chance of introducing additional biases and the sample was then scaled to the achieved sample size, to maintain the original total achieved sample size.

<table>
<thead>
<tr>
<th>Reported Effect</th>
<th>% of Sample</th>
<th>% of Sample Capped At</th>
<th>% Difference</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td><strong>Aircraft, Airports and Airfields</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hear</td>
<td>71.3</td>
<td>72.1</td>
<td>-0.8</td>
</tr>
<tr>
<td>Bothered, Annoyed or Disturbed</td>
<td>30.5</td>
<td>31.2</td>
<td>-0.7</td>
</tr>
<tr>
<td>To Some Extent</td>
<td>13.3</td>
<td>13.4</td>
<td>-0.1</td>
</tr>
<tr>
<td>Moderately, Very or Extremely</td>
<td>3.5</td>
<td>3.5</td>
<td>0.0</td>
</tr>
<tr>
<td>Very or Extremely</td>
<td>3.5</td>
<td>3.5</td>
<td>0.0</td>
</tr>
<tr>
<td><strong>Road Traffic Noise</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hear</td>
<td>82.1</td>
<td>82.7</td>
<td>-0.5</td>
</tr>
<tr>
<td>Bothered, Annoyed or Disturbed</td>
<td>54.6</td>
<td>54.6</td>
<td>0.0</td>
</tr>
<tr>
<td>To Some Extent</td>
<td>24.8</td>
<td>24.8</td>
<td>-0.1</td>
</tr>
<tr>
<td>Moderately, Very or Extremely</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Report Effect</td>
<td>% of Sample Capped At</td>
<td></td>
<td>% Difference</td>
</tr>
<tr>
<td>---------------</td>
<td>-----------------------</td>
<td>---</td>
<td>--------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td><strong>Disturbed</strong></td>
<td>Very or Extremely</td>
<td>8.0</td>
<td>8.0</td>
</tr>
<tr>
<td><strong>Neighbour Noise (from inside)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Hear</strong></td>
<td></td>
<td>54.4</td>
<td>54.2</td>
</tr>
<tr>
<td>Bothered, Annoyed or Disturbed</td>
<td>To Some Extent</td>
<td>31.4</td>
<td>31.2</td>
</tr>
<tr>
<td></td>
<td>Moderately, Very or Extremely</td>
<td>13.1</td>
<td>13.0</td>
</tr>
<tr>
<td></td>
<td>Very or Extremely</td>
<td>5.6</td>
<td>5.4</td>
</tr>
<tr>
<td><strong>Neighbour Noise (from outside)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Hear</strong></td>
<td></td>
<td>69.4</td>
<td>70.4</td>
</tr>
<tr>
<td>Bothered, Annoyed or Disturbed</td>
<td>To Some Extent</td>
<td>38.0</td>
<td>38.6</td>
</tr>
<tr>
<td></td>
<td>Moderately, Very or Extremely</td>
<td>15.1</td>
<td>15.1</td>
</tr>
<tr>
<td></td>
<td>Very or Extremely</td>
<td>5.4</td>
<td>5.3</td>
</tr>
<tr>
<td><strong>Other People Nearby</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Hear</strong></td>
<td></td>
<td>54.6</td>
<td>55.3</td>
</tr>
<tr>
<td>Bothered, Annoyed or Disturbed</td>
<td>To Some Extent</td>
<td>27.2</td>
<td>27.4</td>
</tr>
<tr>
<td></td>
<td>Moderately, Very or Extremely</td>
<td>9.0</td>
<td>8.8</td>
</tr>
<tr>
<td></td>
<td>Very or Extremely</td>
<td>3.0</td>
<td>2.9</td>
</tr>
<tr>
<td><strong>Neighbour Noise (combined)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Hear</strong></td>
<td></td>
<td>82.3</td>
<td>82.9</td>
</tr>
<tr>
<td>Bothered, Annoyed or Disturbed</td>
<td>To Some Extent</td>
<td>53.9</td>
<td>54.1</td>
</tr>
<tr>
<td></td>
<td>Moderately, Very or Extremely</td>
<td>25.6</td>
<td>25.5</td>
</tr>
<tr>
<td></td>
<td>Very or Extremely</td>
<td>10.7</td>
<td>10.5</td>
</tr>
<tr>
<td><strong>Rail Noise</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Hear</strong></td>
<td></td>
<td>27.3</td>
<td>27.6</td>
</tr>
<tr>
<td>Bothered, Annoyed or Disturbed</td>
<td>To Some Extent</td>
<td>7.5</td>
<td>7.3</td>
</tr>
<tr>
<td></td>
<td>Moderately, Very or Extremely</td>
<td>2.1</td>
<td>2.0</td>
</tr>
<tr>
<td></td>
<td>Very or Extremely</td>
<td>0.4</td>
<td>0.4</td>
</tr>
<tr>
<td><strong>Building, Construction, Demolition, Renovation and Road Works</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Hear</strong></td>
<td></td>
<td>47.6</td>
<td>48.2</td>
</tr>
<tr>
<td>Bothered, Annoyed or Disturbed</td>
<td>To Some Extent</td>
<td>28.6</td>
<td>28.6</td>
</tr>
<tr>
<td></td>
<td>Moderately, Very or Extremely</td>
<td>10.7</td>
<td>10.7</td>
</tr>
<tr>
<td></td>
<td>Very or Extremely</td>
<td>3.1</td>
<td>3.1</td>
</tr>
<tr>
<td><strong>Commercial Buildings</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Hear</strong></td>
<td></td>
<td>8.3</td>
<td>8.0</td>
</tr>
<tr>
<td>Bothered, Annoyed or Disturbed</td>
<td>To Some Extent</td>
<td>3.9</td>
<td>3.8</td>
</tr>
<tr>
<td></td>
<td>Moderately, Very or Extremely</td>
<td>1.4</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>Very or Extremely</td>
<td>0.5</td>
<td>0.4</td>
</tr>
<tr>
<td><strong>Community Buildings</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Hear</strong></td>
<td></td>
<td>24.4</td>
<td>24.9</td>
</tr>
<tr>
<td>Bothered, Annoyed or</td>
<td>To Some Extent</td>
<td>8.0</td>
<td>7.9</td>
</tr>
<tr>
<td></td>
<td>Moderately, Very or Extremely</td>
<td>2.2</td>
<td>2.1</td>
</tr>
</tbody>
</table>

A12-4
### Table V1.A12.1 – Sensitivity Analysis on Question A9 for Capping

<table>
<thead>
<tr>
<th>Reported Effect</th>
<th>% of Sample Capped At</th>
<th>% Difference</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>Disturbed</td>
<td>Very or Extremely</td>
<td>0.5</td>
</tr>
<tr>
<td><strong>Entertainment Noise</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hear</td>
<td>23.8</td>
<td>24.2</td>
</tr>
<tr>
<td>Bothered, Annoyed or Disturbed</td>
<td>To Some Extent</td>
<td>11.2</td>
</tr>
<tr>
<td></td>
<td>Modestly, Very or Extremely</td>
<td>3.4</td>
</tr>
<tr>
<td></td>
<td>Very or Extremely</td>
<td>0.9</td>
</tr>
<tr>
<td><strong>Forestry, Farming and Agriculture</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hear</td>
<td>23.2</td>
<td>23.4</td>
</tr>
<tr>
<td>Bothered, Annoyed or Disturbed</td>
<td>To Some Extent</td>
<td>7.3</td>
</tr>
<tr>
<td></td>
<td>Modestly, Very or Extremely</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>Very or Extremely</td>
<td>0.4</td>
</tr>
<tr>
<td><strong>Industrial Noise</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hear</td>
<td>9.7</td>
<td>9.7</td>
</tr>
<tr>
<td>Bothered, Annoyed or Disturbed</td>
<td>To Some Extent</td>
<td>4.8</td>
</tr>
<tr>
<td></td>
<td>Modestly, Very or Extremely</td>
<td>1.9</td>
</tr>
<tr>
<td></td>
<td>Very or Extremely</td>
<td>0.8</td>
</tr>
<tr>
<td><strong>Sea, River and Canal Traffic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hear</td>
<td>3.7</td>
<td>4.0</td>
</tr>
<tr>
<td>Bothered, Annoyed or Disturbed</td>
<td>To Some Extent</td>
<td>0.8</td>
</tr>
<tr>
<td></td>
<td>Modestly, Very or Extremely</td>
<td>0.3</td>
</tr>
<tr>
<td></td>
<td>Very or Extremely</td>
<td>0.1</td>
</tr>
<tr>
<td><strong>Sports Noise</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hear</td>
<td>27.4</td>
<td>27.7</td>
</tr>
<tr>
<td>Bothered, Annoyed or Disturbed</td>
<td>To Some Extent</td>
<td>8.3</td>
</tr>
<tr>
<td></td>
<td>Modestly, Very or Extremely</td>
<td>2.5</td>
</tr>
<tr>
<td></td>
<td>Very or Extremely</td>
<td>0.7</td>
</tr>
<tr>
<td><strong>Other Sources of Noise</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hear</td>
<td>13.8</td>
<td>13.9</td>
</tr>
<tr>
<td>Bothered, Annoyed or Disturbed</td>
<td>To Some Extent</td>
<td>7.0</td>
</tr>
<tr>
<td></td>
<td>Modestly, Very or Extremely</td>
<td>3.3</td>
</tr>
<tr>
<td></td>
<td>Very or Extremely</td>
<td>1.8</td>
</tr>
</tbody>
</table>

### Post-Stratification Weighting

Selection weighting as described above needs to be carried out on any probability sample to equalise the chances of selection. However, consideration also needs to be given to post-stratification, or corrective, weighting. This is carried out when the achieved sample differs significantly from the known population parameters on key demographic variables. If the achieved sample is known to be biased in favour of,
say, men over women, or older people over younger ones, then there is a chance that this will cause a bias in the results.

If, for example, young people think or behave very differently from older ones, and are significantly under-represented in the survey, then the survey will give a misleading indication of what the population as a whole thinks. Adding weights to proportionally scale up the number of young people to match the actual population is one way to correct for this.

Perhaps more importantly, weighting also needs to be considered when comparing one survey with another, if the achieved profiles are different. If we compare two surveys, one of which greatly under-represents young people, while the other has the correct proportion, then any difference between the two surveys may prove not to be real changes, but instead, merely artefacts of the demographic difference.

Table V1.A9.5 shows the achieved sample by a number of demographic characteristics and how that compares against 2011 census population estimates223. Where there is a large discrepancy between the 2011 census estimate and the 2012 survey there is a strong case for the 2012 data to be weighted to make it representative of the population. Only then could it be stated that x% of the population is affected by road traffic noise, for example.

A dataset is representative when it accurately reflects the members of the entire population. A methodological sound sampling procedure used to produce the sample should guarantee the sample being an unbiased indication of what the population is like. To verify if that is the case, the demographical distribution of the achieved sample is compared with the census data from 2011. Census statistics provide the most detailed snapshot of the population and its characteristics. Minor deviations from the census distribution can be warranted if this will not bias the key results of the report.

Scotland and Northern Ireland have been excluded from the comparison as the census did not cover these regions. Comparing the relative distribution for gender, age category, employment status and social group, it can be seen that the achieved sample and the census data are similar, however there were 4 socio-demographic variables which differed. Differences above five per cent224 are considered worth investigating further and it can be concluded that the NNAS2012 respondents tended to be more likely to be older and/or retired, less likely to be working full time, more likely to be in the social groups A/B and more likely to be owner-occupiers than the

---

223 For England and England and Wales only, as the Census does not cover Scotland or Northern Ireland.
224 Denoted in Table V1.A9.5 in bold and italics
national population. To verify if this has caused bias, these demographic groups need to be considered to see if they are different in their perceptions and attitudes to noise.

To check if the detected over-representation of certain subgroups in the achieved sample will bias the key results of the study, perceptions and attitudes to noise are compared. Initially, this comparison is between groups, and if a difference is detected then further analysis is required to ensure the overall national figures of the study are not biased. If necessary, this is carried out by comparing the average perception/attitude to noise of each over-represented group to the overall average perception/attitude to noise of the whole sample. In both cases, these comparisons are carried out by focussing on key variables of interest to the study.

In this sensitivity analysis, seven variables have been used, namely:

- **A7** In general, how do you feel about the amount of noise around here?
- **A9** When you are at home, to what extent are you personally bothered, annoyed or disturbed by noise from ... ?
  - Road traffic
  - Neighbours and other people nearby (combined variable)
  - Aircraft, airports and airfields
  - Trains and railways stations
- Negative evaluation of noise in the neighbourhood (derived from either a direct mention of noise or from clarification if a potential noise source was mentioned)
- Positive evaluation of sound in the neighbourhood (derived from either a direct mention of sound (or absence of noise) or from clarification if a potential sound source was mentioned)

Each demographic group was regressed against each of these seven key variables, resulting in 63 logistic regressions; outliers were excluded.

In **Table V1.A12.2**, the variables have been dummy-coded\(^{225}\) to determine how different the overrepresented category is from the other categories in relation to perception and attitudes to noise. In **Table V1.A12.3**, the variables have been effect-coded\(^{226}\) to determine how different the overrepresented category is from the overall sample (average) in relation to perception and attitudes to noise.

\(^{225}\) Dummy-coding means that the coefficients presented are equal to the difference between the mean of the group and the mean of the reference category.

\(^{226}\) Effect-coding means the constant is equal to the grand mean of all of the observations and the coefficients presented are equal to the difference between the mean of the group and the grand mean.
Table V1.A12.2 shows how the over-represented categories significantly differ from the other categories on some key variables. When comparing retired people to other categories of employment, the most pronounced differences are for A7 (how do you feel about the amount of noise around here) and A9 (annoyance due to noise from road traffic or neighbours and other people nearby). When looking at the social groups, the “higher and intermediate managerial / administrative / professional” social groups (A/B) score significantly higher in A9 (annoyance due to noise from aircraft, airports and airfields) compared to the other social groups. The differences among the different age groups are less pronounced. When looking at tenure, owner-occupiers score significantly higher in A7 (how do you feel about the amount of noise around here) and A9 (annoyance due to noise from road traffic or neighbours and other people nearby) compared to other tenure groups.

However, Table V1.A12.3 shows how the over-represented categories do not, in most cases, significantly differ from the overall average picture. There are three exceptions; firstly, the “higher and intermediate managerial / administrative / professional” social groups (A/B) are more likely to be annoyed by noise from aircraft, airports and airfields compared to the overall levels of annoyance from this source. This means we may over-estimate the effect of annoyance from aircraft, airports and airfields.

Secondly, retired people are less likely to report negatively about the amount of noise in their local environment and report less annoyance towards noise from road traffic and neighbours (and other people nearby) compared to the overall reported levels of annoyance towards noise from these two key sources.

Finally (and similar to retired people), owner-occupiers are less likely to report negatively about the amount of noise in their local environment and report less annoyance towards noise from neighbours and other people nearby compared to the overall reported level of annoyance towards noise from this key source.

These latter two exceptions mean that it can be safely concluded that are not over-estimating the effect for these two parameters, but in fact, any findings are potentially a conservative estimate.

To summarise, even though there are significant differences between the overrepresented and other socio-demographic groups on key attitudes and perceptions towards noise, this is not likely to skew the overall picture as these overrepresented groups do not tend to differ significantly from the overall average, other than the three exceptions detailed in the previous paragraphs. Accordingly, it was decided that no post-stratification weighting would be necessary, but that care would be required when interpreting any findings associated with noise from aircraft, airports and airfields.
Confidence Intervals

The complexity of the methodology has prevented the calculation of confidence intervals around the estimates for any of the results. Theoretically, these can be calculated by taking into account the sample design (e.g. stratified sample design, the oversampling) and the weighting strategy (e.g. the selection weighting, post-stratification weighting if employed), but in cases such as this, it is difficult to define. A confidence interval based on the assumptions of a simple random design would have overestimated the confidence and thus been misleading.
<table>
<thead>
<tr>
<th>Logistic Regression (Beta coefficients)</th>
<th>Feel about amount of noise</th>
<th>Annoyance due to Noise from...</th>
<th>Evaluation of Noise</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Road Traffic</td>
<td>Neighbours, etc</td>
<td>Aircraft, etc</td>
</tr>
<tr>
<td>Working Full Time (&gt;=30hrs/wk)</td>
<td>2.084***</td>
<td>1.605***</td>
<td>1.887***</td>
</tr>
<tr>
<td>Working Part Time</td>
<td>1.460</td>
<td>1.332</td>
<td>1.728***</td>
</tr>
<tr>
<td>Unemployed</td>
<td>2.877***</td>
<td>0.969</td>
<td>1.293</td>
</tr>
<tr>
<td>Retired</td>
<td>REF</td>
<td>REF</td>
<td>REF</td>
</tr>
<tr>
<td>Education</td>
<td>2.031**</td>
<td>1.601*</td>
<td>2.572***</td>
</tr>
<tr>
<td>Looking after the Home or Family</td>
<td>2.203**</td>
<td>1.474</td>
<td>1.723**</td>
</tr>
<tr>
<td>Other</td>
<td>1.338</td>
<td>1.512</td>
<td>1.959*</td>
</tr>
<tr>
<td>Employment</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Social Grade</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AB</td>
<td>REF</td>
<td>REF</td>
<td>REF</td>
</tr>
<tr>
<td>C1</td>
<td>0.733*</td>
<td>1.023</td>
<td>1.034</td>
</tr>
<tr>
<td>C2</td>
<td>0.654*</td>
<td>0.846</td>
<td>0.891</td>
</tr>
<tr>
<td>D</td>
<td>1.088</td>
<td>1.023</td>
<td>1.322</td>
</tr>
<tr>
<td>E</td>
<td>1.012</td>
<td>0.763</td>
<td>1.055</td>
</tr>
<tr>
<td>Age</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16 - 17 years</td>
<td>0.720</td>
<td>0.811</td>
<td>1.336</td>
</tr>
<tr>
<td>18 - 19 years</td>
<td>1.757</td>
<td>0.654</td>
<td>0.695</td>
</tr>
<tr>
<td>20 - 24 years</td>
<td>1.970**</td>
<td>1.327</td>
<td>1.033</td>
</tr>
<tr>
<td>25 - 34 years</td>
<td>REF</td>
<td>REF</td>
<td>REF</td>
</tr>
<tr>
<td>35 - 44 years</td>
<td>1.457</td>
<td>1.212</td>
<td>0.826</td>
</tr>
<tr>
<td>45 - 54 years</td>
<td>1.529*</td>
<td>1.100</td>
<td>0.788</td>
</tr>
<tr>
<td>55 - 64 years</td>
<td>1.021</td>
<td>1.049</td>
<td>0.604**</td>
</tr>
<tr>
<td>65 - 74 years</td>
<td>0.887</td>
<td>0.915</td>
<td>0.582**</td>
</tr>
<tr>
<td>&gt;= 75 years</td>
<td>0.442**</td>
<td>0.364***</td>
<td>0.216***</td>
</tr>
<tr>
<td>Tenure</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Being Bought on a Mortgage</td>
<td>1.552**</td>
<td>1.215</td>
<td>1.677***</td>
</tr>
<tr>
<td>Owned Outright by Household</td>
<td>REF</td>
<td>REF</td>
<td>REF</td>
</tr>
<tr>
<td>Rented from Local Authority</td>
<td>1.938**</td>
<td>0.963</td>
<td>2.202***</td>
</tr>
<tr>
<td>Rented from Housing Association</td>
<td>1.046</td>
<td>0.865</td>
<td>2.277***</td>
</tr>
<tr>
<td>Rented from Private Landlord</td>
<td>2.143***</td>
<td>1.449**</td>
<td>1.820***</td>
</tr>
</tbody>
</table>
### Logistic Regression (Beta coefficients)

<table>
<thead>
<tr>
<th></th>
<th>Feel about amount of noise</th>
<th>Road Traffic</th>
<th>Annoyance due to Noise from...</th>
<th>Evaluation of Noise</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Road Traffic</td>
<td>Neighbours, etc</td>
<td>Aircraft, etc</td>
</tr>
<tr>
<td><strong>Shared Ownership</strong></td>
<td><strong>3.271</strong></td>
<td><strong>0.263</strong></td>
<td><strong>10.671</strong>*</td>
<td><strong>0.000</strong></td>
</tr>
<tr>
<td><strong>Other</strong></td>
<td><strong>2.869</strong>*</td>
<td><strong>1.612</strong></td>
<td><strong>1.016</strong></td>
<td><strong>0.172</strong></td>
</tr>
</tbody>
</table>

Significance: *≤0.05  **≤0.01  ***≤0.001  

Red = more negative opinion rating to noise than reference category  
Green = more positive opinion rating to noise than reference category  

Table V1.A12.2 - Predicting Key Variables with Overrepresented Subgroups as Reference Category

<table>
<thead>
<tr>
<th></th>
<th>Feel about amount of noise</th>
<th>Road Traffic</th>
<th>Annoyance due to Noise from...</th>
<th>Evaluation of Noise</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Road Traffic</td>
<td>Neighbours, etc</td>
<td>Aircraft, etc</td>
</tr>
</tbody>
</table>

### Employment

<table>
<thead>
<tr>
<th></th>
<th>Working Full Time (&gt;=30hrs/wk)</th>
<th>Working Part Time</th>
<th>Unemployed</th>
<th>Retired</th>
<th>Education</th>
<th>Looking after the Home or Family</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.184</td>
<td>0.829</td>
<td>1.634*</td>
<td>0.568***</td>
<td>1.545</td>
<td>1.251</td>
<td>0.76</td>
</tr>
<tr>
<td></td>
<td><strong>1.206</strong>*</td>
<td><strong>1.001</strong></td>
<td><strong>0.728</strong></td>
<td><strong>0.751</strong></td>
<td><strong>1.538</strong></td>
<td><strong>1.107</strong></td>
<td><strong>1.136</strong></td>
</tr>
<tr>
<td></td>
<td><strong>1.128</strong></td>
<td><strong>1.033</strong></td>
<td><strong>0.773</strong></td>
<td><strong>0.598</strong>*</td>
<td><strong>1.145</strong></td>
<td><strong>1.031</strong></td>
<td><strong>1.171</strong></td>
</tr>
<tr>
<td></td>
<td><strong>1.624</strong>*</td>
<td><strong>1.524</strong></td>
<td><strong>1.755</strong></td>
<td><strong>1.145</strong></td>
<td><strong>1.816</strong></td>
<td><strong>1.095</strong></td>
<td><strong>0.095</strong>*</td>
</tr>
<tr>
<td></td>
<td>19.446</td>
<td>5.090</td>
<td>26.985</td>
<td>3.929</td>
<td>1.166</td>
<td>1.435</td>
<td>1.151</td>
</tr>
<tr>
<td></td>
<td><strong>0.877</strong></td>
<td><strong>1.037</strong></td>
<td><strong>0.719</strong></td>
<td><strong>1.047</strong></td>
<td><strong>1.015</strong></td>
<td><strong>0.874</strong></td>
<td><strong>0.916</strong></td>
</tr>
</tbody>
</table>

### Social Grade

<table>
<thead>
<tr>
<th></th>
<th>AB</th>
<th>C1</th>
<th>C2</th>
<th>D</th>
<th>E</th>
<th>16 - 17 years</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.136</td>
<td>0.833</td>
<td>0.743*</td>
<td>1.237</td>
<td>1.500</td>
<td>0.659</td>
</tr>
<tr>
<td></td>
<td><strong>1.082</strong></td>
<td><strong>1.107</strong></td>
<td><strong>0.915</strong></td>
<td><strong>1.106</strong></td>
<td><strong>0.825</strong></td>
<td><strong>0.918</strong></td>
</tr>
<tr>
<td></td>
<td><strong>0.951</strong></td>
<td><strong>0.983</strong></td>
<td><strong>0.848</strong></td>
<td><strong>1.257</strong></td>
<td><strong>1.004</strong></td>
<td><strong>1.862</strong></td>
</tr>
<tr>
<td></td>
<td><strong>2.067</strong>*</td>
<td><strong>1.299</strong></td>
<td><strong>0.829</strong></td>
<td><strong>0.732</strong></td>
<td><strong>0.614</strong></td>
<td><strong>1.542</strong></td>
</tr>
<tr>
<td></td>
<td><strong>1.262</strong></td>
<td><strong>1.032</strong></td>
<td><strong>0.949</strong></td>
<td><strong>1.069</strong></td>
<td><strong>0.756</strong></td>
<td><strong>40.305</strong></td>
</tr>
<tr>
<td></td>
<td><strong>1.187</strong></td>
<td><strong>0.832</strong></td>
<td><strong>0.767</strong></td>
<td><strong>1.288</strong></td>
<td><strong>1.025</strong></td>
<td><strong>0.954</strong></td>
</tr>
<tr>
<td></td>
<td><strong>0.954</strong></td>
<td><strong>1.154</strong></td>
<td><strong>1.142</strong></td>
<td><strong>0.798</strong></td>
<td><strong>0.996</strong></td>
<td><strong>1.070</strong></td>
</tr>
</tbody>
</table>

### Age

<table>
<thead>
<tr>
<th></th>
<th>16 - 17 years</th>
<th>18 - 19 years</th>
<th>20 - 24 years</th>
<th>25 - 34 years</th>
<th>35 - 44 years</th>
<th>45 - 54 years</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.659</td>
<td>1.608</td>
<td><strong>1.803</strong></td>
<td>0.915</td>
<td>1.333*</td>
<td>1.399**</td>
</tr>
<tr>
<td></td>
<td>0.918</td>
<td>0.740</td>
<td><strong>1.502</strong></td>
<td>1.132</td>
<td><strong>1.372</strong></td>
<td><strong>1.245</strong></td>
</tr>
<tr>
<td></td>
<td><strong>1.542</strong></td>
<td><strong>0.969</strong></td>
<td><strong>1.440</strong></td>
<td><strong>1.394</strong></td>
<td><strong>1.152</strong></td>
<td><strong>1.098</strong></td>
</tr>
<tr>
<td></td>
<td><strong>40.305</strong></td>
<td><strong>0.409</strong></td>
<td><strong>8.611</strong></td>
<td><strong>9.746</strong></td>
<td><strong>1.370</strong></td>
<td><strong>1.576</strong></td>
</tr>
<tr>
<td></td>
<td><strong>0.841</strong></td>
<td><strong>0.000</strong></td>
<td><strong>1.118</strong></td>
<td><strong>0.987</strong></td>
<td><strong>13.72</strong></td>
<td><strong>7.898</strong></td>
</tr>
<tr>
<td></td>
<td><strong>0.533</strong></td>
<td><strong>0.000</strong></td>
<td><strong>1.118</strong></td>
<td><strong>0.987</strong></td>
<td><strong>0.991</strong></td>
<td><strong>0.940</strong></td>
</tr>
<tr>
<td></td>
<td><strong>1.546</strong></td>
<td><strong>1.118</strong></td>
<td><strong>0.867</strong></td>
<td><strong>1.130</strong></td>
<td><strong>1.070</strong></td>
<td><strong>0.829</strong></td>
</tr>
<tr>
<td>Logistic Regression (Beta coefficients)</td>
<td>Feel about amount of noise</td>
<td>Annoyance due to Noise from...</td>
<td>Evaluation of Noise</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------------------------------</td>
<td>---------------------------</td>
<td>-----------------------------</td>
<td>---------------------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Road Traffic</td>
<td>Neighbours, etc</td>
<td>Aircraft, etc</td>
<td>Trains, etc</td>
<td>Negative</td>
<td>Positive</td>
</tr>
<tr>
<td>55 - 64 years</td>
<td>0.935</td>
<td>1.187</td>
<td>0.892</td>
<td>1.450**</td>
<td>2.787</td>
<td>1.124</td>
</tr>
<tr>
<td>65 - 74 years</td>
<td>0.812</td>
<td>1.036</td>
<td>0.811</td>
<td>0.810</td>
<td>3.020</td>
<td>1.056</td>
</tr>
<tr>
<td>&gt;= 75 years</td>
<td>0.404***</td>
<td>0.412***</td>
<td>0.302***</td>
<td>0.949</td>
<td>1.530</td>
<td>0.852</td>
</tr>
<tr>
<td>Tenure</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Being Bought on a Mortgage</td>
<td>0.858</td>
<td>1.300</td>
<td>0.808</td>
<td>33.531</td>
<td>21.439</td>
<td>0.663*</td>
</tr>
<tr>
<td>Owned Outright by Household</td>
<td>0.563**</td>
<td>1.070</td>
<td>0.482***</td>
<td>25.115</td>
<td>7.234</td>
<td>0.689*</td>
</tr>
<tr>
<td>Rented from Local Authority</td>
<td>1.072</td>
<td>1.031</td>
<td>1.061</td>
<td>11.520</td>
<td>8.984</td>
<td>0.798</td>
</tr>
<tr>
<td>Rented from Housing Association</td>
<td>0.578*</td>
<td>0.926</td>
<td>1.097</td>
<td>13.178</td>
<td>5.238</td>
<td>0.805</td>
</tr>
<tr>
<td>Rented from Private Landlord</td>
<td>1.185</td>
<td>1.551</td>
<td>0.877</td>
<td>17.744</td>
<td>18.330</td>
<td>0.863</td>
</tr>
<tr>
<td>Shared Ownership</td>
<td>1.809</td>
<td>0.281</td>
<td>5.141*</td>
<td>0.000</td>
<td>0.000</td>
<td>4.443*</td>
</tr>
<tr>
<td>Other</td>
<td>1.587</td>
<td>1.725</td>
<td>0.490</td>
<td>4.329</td>
<td>17.827</td>
<td>0.889</td>
</tr>
</tbody>
</table>

Significance: *≤0.05  **≤0.01  ***≤0.001

Red = more negative opinion rating to noise than overall sample mean
Green = more positive opinion rating to noise than overall sample mean

Table V1.A12.3 - Predicting Key Variables with Overall Mean as Reference Category