

Weighting and analysing MENE data – a guide for SPSS and Excel users

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1. Introduction

This short guide explains how to apply weights to the data from the Monitor of Engagement with the Natural Environment (MENE) survey. It is aimed at those who have downloaded the data from the Natural England website and intend to run their own analysis.

The MENE weighting system corrects for both proportion and scale – i.e. it adjusts the results to reflect both the underlying characteristics and the size of the English adult population. For further information about the weighting system please see the MENE Technical Report available from the Natural England website.¹

MENE collects a range of information about people's visits to the natural environment. This includes the type of destination, the duration of the visit, mode of transport, distance travelled, spend, main activities and motivations for the visit. It collects data on people that do not visit the natural environment and the reasons for this.

Throughout this guide, the following references are made in relation to individual survey years:

| Referred to as: | Fieldwork period |
|-----------------|----------------------------|
| Year 1 or Y1 | March 2009 – February 2010 |
| Year 2 or Y2 | March 2010 – February 2011 |
| Year 3 or Y3 | March 2011 – February 2012 |
| Year 4 or Y4 | March 2012 – February 2013 |
| Year 5 or Y5 | March 2013 – February 2014 |
| Year 6 or Y6 | March 2014 – February 2015 |

¹ <https://www.gov.uk/government/collections/monitor-of-engagement-with-the-natural-environment-survey-purpose-and-results>

2. File types

Raw data is available in SPSS, Excel, and CSV formats. If you require another format please contact MENE@naturalengland.org.uk. All data is made available under the terms of the Open Government License².

The weights are presented as a series of variables within each dataset.

3. Choosing the correct dataset

There are two separate MENE datasets – one that relates to visits taken to the natural environment by respondents in the seven days prior to interview (the “visit based data”); the other with the findings from other questions that are not dependant on whether a respondent has taken such a visit (the “respondent based data”).

All formats of the datasets present the data in two files which must be downloaded separately. The weights are presented as a series of variables within each dataset.

4. Choosing the correct weights

MENE questions are asked at different frequencies - while some questions are included in every week of the survey (i.e. 52 weeks per year), others are included only monthly (i.e. 12 weeks per year), and others quarterly (i.e. four times per year). This has an important impact on the weight that should be applied.

- When producing a frequency table the weight relating to the frequency at which a question is asked should be applied.
- When crosstabulating two or more questions, the weight that relates to the *least* frequently asked question should be applied. For example, to crosstabulate Q2 (weekly) against E1 (quarterly) choose the weight associated with the less frequently asked question i.e. QuarterVweight.

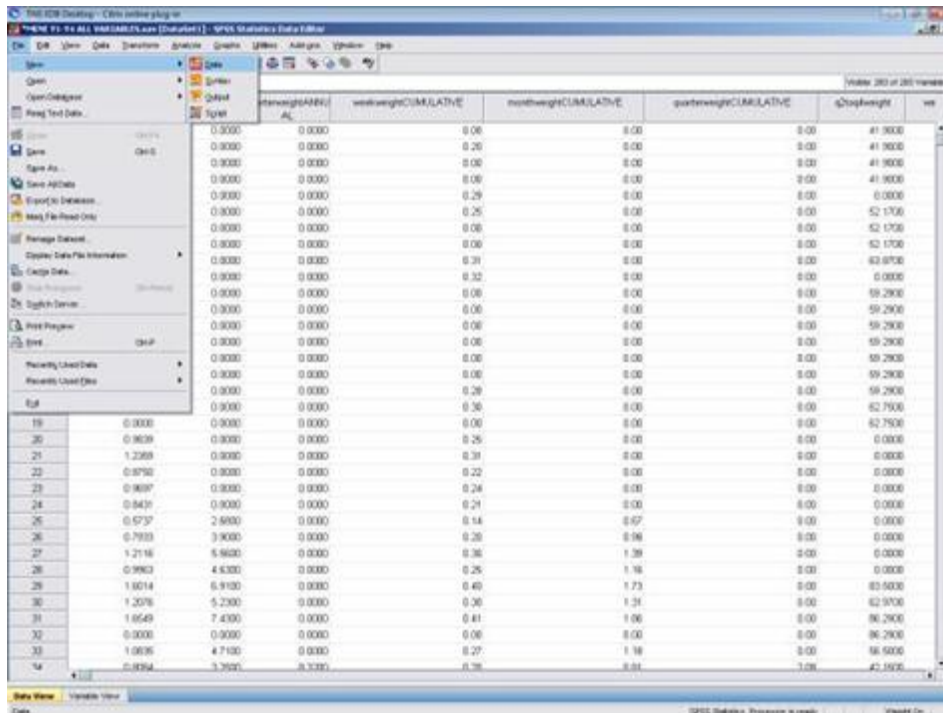
The weights gross the sample result up to the English adult population. **After the weights are applied, read all figures as thousands i.e. a figure of 1,000 should be read as 1,000,000.**

Please note that weights should only be applied when conducting analysis based around yearly estimates. For a full list of MENE questions and weights please see later.

² http://www.naturalengland.org.uk/Images/open-government-licence-NE_tcm6-30744.pdf

5. Applying weights in SPSS

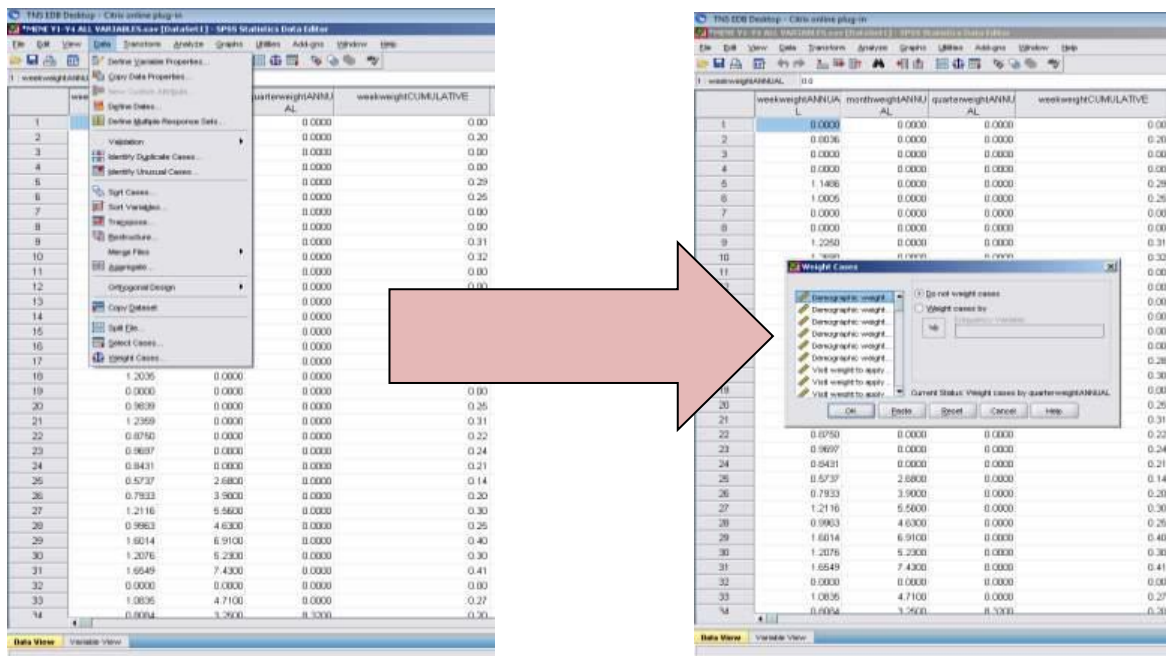
1. Start SPSS, choose the appropriate 'visit based' or 'respondent based' file (see table in Section 9) and load the data using the **File> Open> Data** command.



The screenshot shows the SPSS Data Editor window with a dataset containing 14 rows of data. The columns are: `weekweightANNUAL`, `weekweightCUMULATIVE`, `monthweightCUMULATIVE`, `quarterweightCUMULATIVE`, `q3weight`, and `wt`. The data values are as follows:

| Row | weekweightANNUAL | weekweightCUMULATIVE | monthweightCUMULATIVE | quarterweightCUMULATIVE | q3weight | wt |
|-----|------------------|----------------------|-----------------------|-------------------------|----------|---------|
| 1 | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 41.9000 |
| 2 | 0.0000 | 0.0000 | 0.20 | 0.00 | 0.00 | 41.9000 |
| 3 | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 41.9000 |
| 4 | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 41.9000 |
| 5 | 0.0000 | 0.0000 | 0.29 | 0.00 | 0.00 | 0.0000 |
| 6 | 0.0000 | 0.0000 | 0.25 | 0.00 | 0.00 | 52.1700 |
| 7 | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 52.1700 |
| 8 | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 52.1700 |
| 9 | 0.0000 | 0.0000 | 0.31 | 0.00 | 0.00 | 63.6700 |
| 10 | 0.0000 | 0.0000 | 0.32 | 0.00 | 0.00 | 0.0000 |
| 11 | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 59.2900 |
| 12 | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 59.2900 |
| 13 | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 59.2900 |
| 14 | 0.0000 | 0.0000 | 0.00 | 0.00 | 0.00 | 59.2900 |

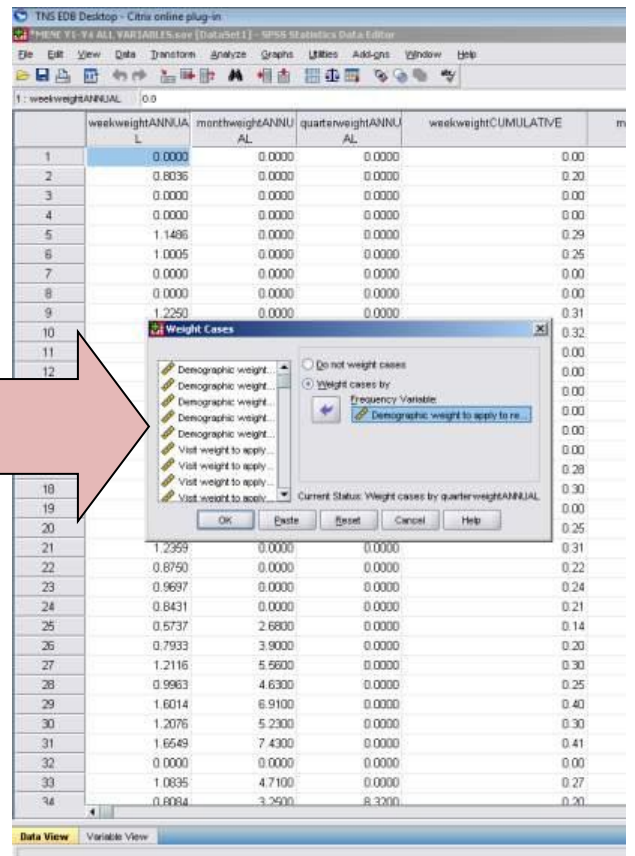
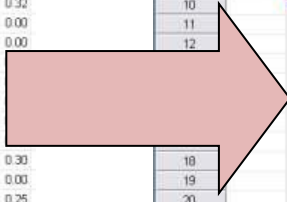
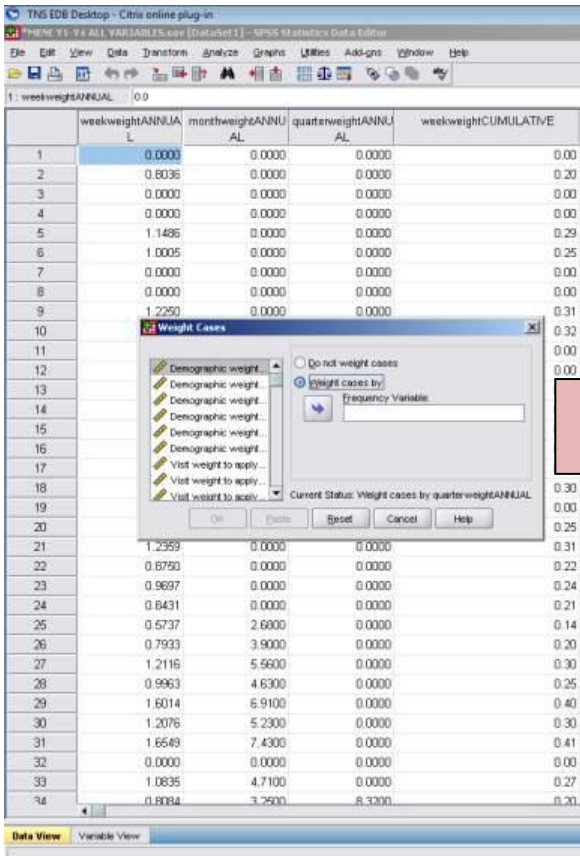
2. To weight the data select **Data> Weight Cases**. This will open the Weight Cases dialog box.



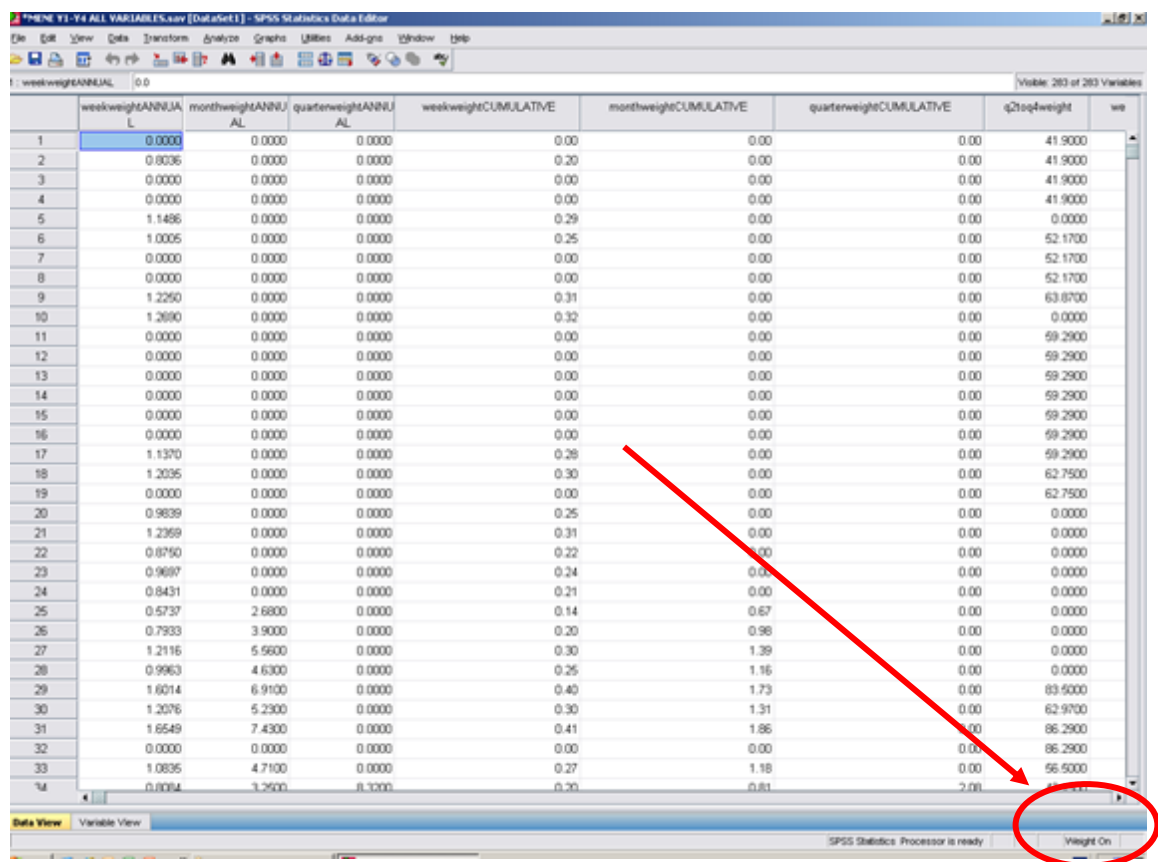
The left screenshot shows the SPSS Data Editor with the 'Data' menu open and 'Weight Cases' selected. The right screenshot shows the 'Weight Cases' dialog box with the following settings:

- Display weight
- Do not weight cases
- Weight cases by:
- Use weight to compute
- Use weight to sort
- Use weight to select
- Use weight to split
- Current Status: Weight cases by quarterweightANNUAL

3. Select **Weight Cases By**, and then in the left hand column select the weight variable to use for the analysis. Please see the table in Section 9 for a guide to the correct weights to apply for different analyses. Transfer the weight so it appears in the Frequency Variable window and then click **OK**.



4. Once the weight is applied, SPSS confirms the status of the data in the data view window.

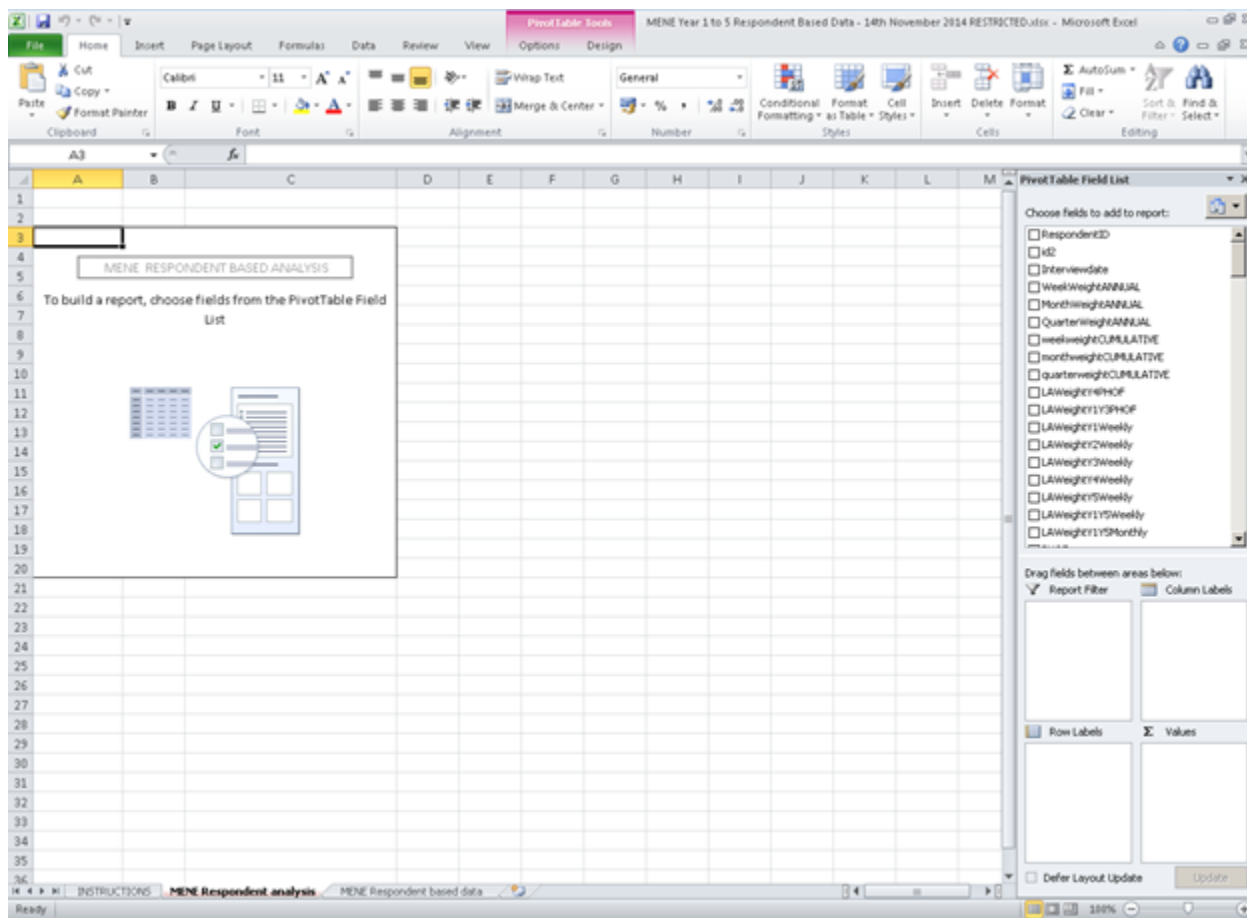


5. If a file is weighted by a variable it remains so until the order is cancelled by returning to the **Data > Weight Cases** menu and either turning the weights off, or establishing another weight variable. If a weighted file is saved, it will still be weighted when re-opened.

6. Applying weights in Excel

There are two Excel files – one containing respondent based data and the other containing visit based data. The procedure for weighting data in Excel uses pivot table reports already included in the spreadsheet.

1. Open the relevant data file and choose 'Tab 1 – MENE [Respondent/Visit analysis]' (see table in Section 9).



2. Select side break by dragging variable to **Row Labels**.
3. If required select a cross break (e.g. Year) by dragging variable to **Column Labels**
4. If required add filter to apply (e.g. so results are only shown for a certain County) by dragging variable to **Report Filter**.
5. Select the appropriate weighting variable and drag it into **Values**. Please see the table in Section 9 for a guide to the correct weights for every analysis.
6. The pivot table report will produce figures with the correct weights added. To see the raw data click on either the **MENE [Respondent/Visit] based tab**.

7. Special instructions for weighting question 12

For MENE years 1 to 3, Q12 which asks about the motivations for taking visits to the natural environment, was asked on a monthly basis so Q12 results for any of the first three years should be analysed using:

- the Q12 variables suffixed with Y1Y3; and
- weighted using monthvweight.

Analysis can be done for all respondents (i.e. all Y1-Y3) or cross tabbed or filtered for a particular year.

For MENE year 4 onwards, Q12 was asked on a weekly basis so Q12 results should be weighted using:

- the Q12 variables suffixed with Y4Y6; and
- weighted using weekvweight.

Please note that although this question is used for the Public Health Outcomes Framework (PHOF) measure 1.16, it cannot be used to directly calculate the measure at Upper Tier Local Authority level. Instead please use the data and guidance available at:

<https://www.gov.uk/government/publications/healthy-lives-healthy-people-improving-outcomes-and-supporting-transparency>

8. Special instructions for weighting question 3

For MENE years 1 to 3, Q3 which asks about visit duration was asked for all visits taken to the natural environment so results for the first three years should be analysed using:

- the q3 variable
- weighted using Q2to4weight

For MENE Y4 onwards, Q3 was asked for the randomly selected visit so Q3 results for these years should be weighted using:

- the q3new variable
- weighted using weekvweight

9. Weighting list and application guide

The table below specifies the datasets and weights that should be used when undertaking analysis of the MENE raw data – either in SPSS, CSV or Excel format. Please see Appendix One of the MENE Technical Report for the full questionnaire³.

- Note if running Respondent based analysis by year please use the "ANNUAL" variant of the weights mentioned in the table beneath and use 'CUMULATIVE' variant if running Year 1 to 6 cumulative analysis.
- If analysis is to be undertaken at the Local Authority level, use the series of weights which begin with LA. See two rightmost columns in the table below for details.

| Question | Frequency | Dataset to use (separate files in SPSS format, separate tabs in Excel) | Weight to apply for National, Regional or County level analyses | Weight to apply for individual year LOCAL AUTHORITY level analyses. X = appropriate year. | Weight to apply for Year 1 to 6 cumulative LOCAL AUTHORITY level analysis |
|--|--|--|---|---|---|
| Q1 – Volume of visits per day over last 7 days | Weekly - all respondents asked | Respondent Based Data | WeekWeight | LAWeightYxWeekly | LAWeightY1Y6WEEKLY |
| Q2 – Type of place visited (<i>general</i>) | Weekly – asked for all visits | Visit Based Data | Q2to4Weight | LAWeightYxWeeklyVISIT | LAWeightY1Y6WEEKLYVISIT |
| Q3 – Visit duration (<i>minutes – pre April 2012</i>) | Weekly – asked for all visits | Visit Based Data | Q2to4Weight | LAWeightYxWeeklyVISIT | LAWeightY1Y6WEEKLYVISIT |
| Q3 – Visit duration (<i>minutes – April 2012 onwards</i>) | Weekly – asked for one randomly selected visit | Visit Based Data | WeekVweight | LAWeightYxWeeklyVISIT | LAWeightY1Y6WEEKLYVISIT |

³ <https://www.gov.uk/government/collections/monitor-of-engagement-with-the-natural-environment-survey-purpose-and-results>

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|---|--|------------------|--------------|-----------------------|-------------------------|
| Q4 – Activities undertaken (<i>split over 21 variables as multicode question</i>) | Weekly – asked for all visits | Visit Based Data | Q2to4Weight | LAWeightYxWeeklyVISIT | LAWeightY1Y6WEEKLYVISIT |
| Q5 – Type of place visited (specific) (<i>split over 17 variables as multicode question</i>) | Weekly – asked for one randomly selected visit | Visit Based Data | WeekVweight | LAWeightYxWeeklyVISIT | LAWeightY1Y6WEEKLYVISIT |
| Q8 – Distance travelled to place visited (miles) | Weekly – asked for one randomly selected visit | Visit Based Data | WeekVweight | LAWeightYxWeeklyVISIT | LAWeightY1Y6WEEKLYVISIT |
| Q9 – Where journey started from | Weekly – asked for one randomly selected visit | Visit Based Data | WeekVweight | LAWeightYxWeeklyVISIT | LAWeightY1Y6WEEKLYVISIT |
| Q11 – Mode of transport used | Weekly – asked for one randomly selected visit | Visit Based Data | WeekVweight | LAWeightYxWeeklyVISIT | LAWeightY1Y6WEEKLYVISIT |
| Q12 – Reasons for visit (<i>split over 15 variables as a multicode question</i>) | Y1-Y3: Monthly – asked for one randomly selected visit | Visit Based Data | MonthVweight | N/A | LAWeightY1Y6WEEKLYVISIT |
| Q12 – Reasons for visit (<i>split over 15 variables as a multicode question</i>) | Y4 – Y6: Weekly – asked for one randomly selected visit | Visit Based Data | WeekVweight | LAWeightYxWeeklyVISIT | LAWeightY1Y6WEEKLYVISIT |

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|--|--|-----------------------|----------------|-----|-------------------------|
| Q13 – Party composition | Monthly – asked for one randomly selected visit | Visit Based Data | MonthVweight | N/A | LAWeightY1Y6WEEKLYVISIT |
| Q14 – Whether a dog/dogs were taken on visit | Monthly – asked for one randomly selected visit | Visit Based Data | MonthVweight | N/A | LAWeightY1Y6WEEKLYVISIT |
| Q15 – Categories of expenditure during visit (<i>split over 11 variables as a multicode question</i>) | Monthly – asked for one randomly selected visit | Visit Based Data | MonthVweight | N/A | LAWeightY1Y6WEEKLYVISIT |
| Q16 – Amounts spent during visit (pence) (a separate variable for each category and total category) | Monthly – asked for one randomly selected visit | Visit Based Data | MonthVweight | N/A | LAWeightY1Y6WEEKLYVISIT |
| Q17 – Frequency of visits during last 12 months | Monthly – all respondents asked | Respondent Based Data | MonthWeight | N/A | LAWeightY1Y6MONTHLY |
| Q18 – Barriers to visits during last 12 months (<i>split over 24 variables as a multicode question</i>) | Monthly – respondents who visit less than once a month asked | Respondent Based Data | MonthWeight | N/A | LAWeightY1Y6MONTHLY |
| E1 - Outcomes of visit | Quarterly – asked for one randomly selected visit | Visit Based Data | QuarterVweight | N/A | N/A |
| E2 – Attitudes to the environment | Quarterly – all respondents asked | Respondent Based Data | QuarterWeight | N/A | N/A |

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|---|---|-----------------------|---------------|------------------|--------------------|
| E3 – Activities in the natural environment | Quarterly – all respondents asked | Respondent Based Data | QuarterWeight | N/A | N/A |
| E4 – Pro-environmental activities | Quarterly – all respondents asked | Respondent Based Data | QuarterWeight | N/A | N/A |
| E5 – Changes in lifestyle | Quarterly – all respondents asked | Respondent Based Data | QuarterWeight | N/A | N/A |
| E6 – Attitudes to local greenspaces | Quarterly – all respondents asked | Respondent Based Data | QuarterWeight | N/A | N/A |
| E7 – Whether have a garden | Quarterly – all respondents asked | Respondent Based Data | QuarterWeight | N/A | N/A |
| E8 – Attitudes towards garden | Quarterly – access of those with access to a private garden | Respondent Based Data | QuarterWeight | N/A | N/A |
| CAR – Access to car | Weekly asked of all respondents | Respondent Based Data | WeekWeight | LAWeightYxWeekly | LAWeightY1Y6WEEKLY |
| DOG – Dog ownership | Weekly asked of all respondents | Respondent Based Data | WeekWeight | LAWeightYxWeekly | LAWeightY1Y6WEEKLY |
| PHYSICAL – Frequency of undertaking exercise | Weekly asked of all respondents | Respondent Based Data | WeekWeight | LAWeightYxWeekly | LAWeightY1Y6WEEKLY |

| | | | | | |
|--|---------------------------------|---|------------------------------|------------------|--------------------|
| DISABILITY – Disability and long term illness | Weekly asked of all respondents | Respondent Based Data | WeekWeight | LAWeightYxWeekly | LAWeightY1Y6WEEKLY |
| Other classification variables: Age Sex Ethnicity Marital status Working status Socio-economic group Lifestage Region County Tenure Internet access Email access Wellbeing Children in household Adults in household | Weekly asked of all respondents | Visit based data Respondent based data | Weekweight Weekweight | LAWeightYxWeekly | LAWeightY1Y6Weekly |

| | | | | | |
|--|--|--|-------------------------------------|------------------------------|--------------------------|
| <p>Place of residence related geographical variables:</p> <p>Lower Super Output Area Middle Super Output Area Local Authority Upper Tier Local Authority Region Ceremonial County National Park AONB Heritage Coast World Heritage Site NIA NCA Local Access Forum Green Belt Rural Urban classification Parliamentary Constituency Index of Multiple Deprivation</p> | <p>Weekly asked of all respondents</p> | <p>Visit based data</p> <p>Respondent based data</p> | <p>Weekweight</p> <p>Weekweight</p> | <p>LAWeightYxWeeklyVISIT</p> | <p>LAWeightY15Weekly</p> |
|--|--|--|-------------------------------------|------------------------------|--------------------------|

| | | | | | |
|---|---|--------------------|---|-------------------------|----------------------------|
| <p>Visit destination related geographical variables included: Visit easting and northing Lower Super Output Area Middle Super Output Area Local Authority Upper Tier District 2009 Ceremonial County Region National Park AONB SSSI National Nature Reserve Visit Local Nature Reserve Heritage Coast National Trust Land Visit World Heritage Site NIA NCA Registered park or garden National Trail Local Access Forum Green Belt Rural Urban classification Forestry Commission Woodland Index of Multiple Deprivation Parliamentary Constituency</p> | <p>Weekly – asked for one randomly selected visit</p> | <p>Visit based</p> | <p>Based on a single grid reference</p> | <p>LAWeightYxWeekly</p> | <p>LAWeightY1-Y6Weekly</p> |
|---|---|--------------------|---|-------------------------|----------------------------|

| | | | | | |
|--|--|----------------------------|---|--|--|
| <p>PHOF Visits for health/exercise in last 7 days</p> | <p>Years 1 - 3: Monthly – asked for one randomly selected visit Year 4 - Weekly - asked for one randomly selected visit Year 5 - Weekly - asked for one randomly selected visit Year 6 – Weekly – asked for one randomly selected visit</p> | <p>Respondent analysis</p> | <p>LAWeightY1Y3PHOF LAWeightY4PHOF LAWeightY5Weekly LAWeightY6Weekly</p> | | |
|--|--|----------------------------|---|--|--|

10. Variable guide

The table below specifies variable names and labels in the MENE raw data files (SPSS and MS Excel format) available to download from the Natural England website⁴.

a) Respondent based dataset

| Variable name | Variable label |
|-------------------------|--|
| RespondentID | The unique identification number of the Respondent |
| id2 | TNS ID |
| Interviewdate | Date of interview |
| WeekWeightANNUAL | Respondent based weekly results - annual analysis |
| MonthWeightANNUAL | Respondent based monthly results - annual analysis |
| QuarterWeightANNUAL | Respondent based quarterly results - annual analysis |
| weekweightCUMULATIVE | Respondent based weekly results – 6 year cumulative analysis |
| monthweightCUMULATIVE | Respondent based monthly results - 6 year cumulative analysis |
| quarterweightCUMULATIVE | Respondent based quarterly results - 6 year cumulative analysis |
| LAWeightY4PHOF | PHOF weight - Year 4 |
| LAWeightY1Y3PHOF | PHOF weight - Cumulative Years 1 to 3 analysis |
| LAWeightY1Weekly | Local Authority respondent based weekly results - Year 1 analysis |
| LAWeightY2Weekly | Local Authority respondent based weekly results - Year 2 analysis |
| LAWeightY3Weekly | Local Authority respondent based weekly results - Year 3 analysis |
| LAWeightY4Weekly | Local Authority respondent based weekly results - Year 4 analysis |
| LAWeightY5Weekly | Local Authority respondent based weekly results - Year 5 analysis |
| LAWeightY6Weekly | Local Authority respondent based weekly results - Year 6 analysis |
| LAWeightY1Y6Weekly | Local Authority respondent based weekly results - 6 year cumulative analysis |

⁴<https://www.gov.uk/government/collections/monitor-of-engagement-with-the-natural-environment-survey-purpose-and-results>

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|---------------------|---|
| LAWeightY1Y6Monthly | Local Authority respondent based monthly results - 6 year cumulative analysis |
| PHOF | PHOF results |
| year | The survey year |
| q1 | Q1 Visits 7 days |
| q17 | Average number of times spent out of doors away from home, over the last 12 months |
| q18_01 | NOT spent more time out of doors over the last 12 months - Bad\poor weather |
| q18_02 | NOT spent more time out of doors over the last 12 months - Old age |
| q18_03 | NOT spent more time out of doors over the last 12 months - Poor health |
| q18_04 | NOT spent more time out of doors over the last 12 months - Physical disability |
| q18_05 | NOT spent more time out of doors over the last 12 months - Pregnant |
| q18_06 | NOT spent more time out of doors over the last 12 months - Having young children |
| q18_07 | NOT spent more time out of doors over the last 12 months - Having other caring responsibilities |
| q18_08 | NOT spent more time out of doors over the last 12 months - Too busy at home |
| q18_09 | NOT spent more time out of doors over the last 12 months - Too busy at work |
| q18_10 | NOT spent more time out of doors over the last 12 months - Not interested |
| q18_11 | NOT spent more time out of doors over the last 12 months – This isn't something for me\ people like mw |
| q18_12 | NOT spent more time out of doors over the last 12 months – Don't like going out on my own |
| q18_13 | NOT spent more time out of doors over the last 12 months - Have no access to a car |
| q18_14 | NOT spent more time out of doors over the last 12 months - Lack of public transport |
| q18_15 | NOT spent more time out of doors over the last 12 months – Too expensive |
| q18_16 | NOT spent more time out of doors over the last 12 months - Prefer to do other leisure activities |
| q18_17 | NOT spent more time out of doors over the last 12 months – Am worried about safety |
| q18_18 | NOT spent more time out of doors over the last 12 months - Concerns about where I am allowed to go or access restrictions |
| q18_19 | NOT spent more time out of doors over the last 12 months - Don't feel welcome\ feel out of place |
| q18_20 | NOT spent more time out of doors over the last 12 months – Lack of suitable places to go |
| q18_21 | NOT spent more time out of doors over the last 12 months – Don't know where to go\ lack of information |
| q18_23 | NOT spent more time out of doors over the last 12 months - No particular reason |

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| | |
|--------|---|
| q18_24 | NOT spent more time out of doors over the last 12 months - Don't Know |
| e2_1 | Extent of agreement about environmental attitudes - Spending time out of doors (including my own garden) is an important part of my life |
| e2_2 | Extent of agreement about environmental attitudes - I am concerned about damage to the natural environment |
| e2_3 | Extent of agreement about environmental attitudes - There are many natural places I may never visit but I am glad they exist |
| e2_4 | Extent of agreement about environmental attitudes - Having open green spaces close to where I live is important |
| e3_01 | Other participation - Watching or listening to nature programmes on the TV or radio |
| e3_02 | Other participation - Looking at books, photos or websites about the natural world |
| e3_03 | Other participation - Looking at natural scenery from indoors or whilst on journeys |
| e3_04 | Other participation - Sitting or relaxing in a garden |
| e3_05 | Other participation - Gardening |
| e3_06 | Other participation - Watching wildlife (including bird watching) |
| e3_07 | Other participation - Choosing to walk through local parks or green spaces on my way to other places |
| e3_08 | Other participation - Doing unpaid voluntary work out of doors |
| e3_09 | Other participation - None of these |
| e3_10 | Other participation - Don't know |
| e4_1 | Pro-environmental behaviours - I usually recycle items rather than throw them away |
| e4_2 | Pro-environmental behaviours - I usually buy eco-friendly products and brands |
| e4_3 | Pro-environmental behaviours - I usually buy seasonal or locally grown food |
| e4_4 | Pro-environmental behaviours - I choose to walk or cycle instead of using my car when I can |
| e4_5 | Pro-environmental behaviours - I encourage other people to protect the environment |
| e4_6 | Pro-environmental behaviours - I am a member of an environmental or conservation organisation |
| e4_7 | Pro-environmental behaviours - I volunteer to help care for the environment |
| e4_8 | Pro-environmental behaviours – I donate money at least once every three months to support an environmental or conservation organisation |
| e4_9 | Pro-environmental behaviours - I donate my time at least once every three months to support an environmental or conservation organisation |
| e4_10 | Pro-environmental behaviours – None of these |
| e4_11 | Pro-environmental behaviours - Don't know |

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|------------|--|
| e5 | Pro-environmental behaviours - Changes in lifestyle |
| e6_01 | Local greenspaces are within easy walking distance |
| e6_02 | Local greenspaces are of a high enough standard to want to spend time there |
| e6_03 | Local greenspaces are easy to get into and around |
| e7 | Whether have a garden |
| e8_01 | My garden is an important place to me |
| e8_02 | Attitudes to garden – I like spending time in my garden |
| e8_03 | Attitudes to garden – I don't like my garden |
| e8_04 | Attitudes to garden – I enjoy gardening |
| e8_05 | Attitudes to garden – I like to grow fruit, vegetables or herbs in my garden |
| e8_06 | Attitudes to garden – My garden is too small |
| e8_07 | Attitudes to garden – My garden is too large |
| e8_08 | Attitudes to garden – My garden is a place where children can play |
| e8_09 | Attitudes to garden – I enjoy my garden because it is private |
| e8_10 | Attitudes to garden – I enjoy the trees in my garden |
| e8_11 | Attitudes to garden – I enjoy the grass\plants in my garden |
| e8_12 | Attitudes to garden – I enjoy the pond\water features in my garden |
| e8_13 | Attitudes to garden – I enjoy feeding birds in my garden |
| e8_14 | Attitudes to garden – I encourage wildlife in my garden |
| e8_15 | Attitudes to garden – I enjoy the wildlife in my garden |
| e8_16 | Attitudes to garden – I enjoy my garden because of its views |
| e8_17 | Attitudes to garden – Don't know |
| e8_18 | Attitudes to garden – None |
| age | Demographics - Age |
| sex | Demographics - Gender |
| ethnicity | Demographics - Ethnicity |
| disability | Demographics - Illness or Disability |

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| | |
|------------------------------------|---|
| marital | Demographics - Marital Status |
| workstat | Demographics - Working status |
| segcom | Demographics - Social Grade (combined codes) |
| segall | Demographics - Social Grade (all codes) |
| lifestage | Demographics - Lifestage |
| physical | Demographics - The number of days over the past week of 30 minutes or more physical activity |
| child_in_hh | Demographics - Children in Household |
| adults_in_hh | Demographics - Number of Adults in Household |
| hh_size | Demographics - Total Household Size |
| tenure | Demographics - Housing Tenure |
| workstat5 | Demographics – Working status |
| q19 | Demographics - Ownership or access to a car |
| q20 | Demographics - Ownership of a dog |
| Generalhealth | Q24 How is your health in general? - Health |
| internetaccess | Access to the Internet at home, work or elsewhere |
| email | Access to email at home, work or elsewhere |
| wellbeing1 | ONS WELLBEING QUESTION 1 : Overall how satisfied are you with life nowadays? |
| wellbeing2 | ONS WELLBEING QUESTION 2 : Overall to what extent do you feel that the things you do in your life are worthwhile? |
| wellbeing3 | ONS WELLBEING QUESTION 3 : Overall, how happy did you feel yesterday? |
| wellbeing4 | ONS WELLBEING QUESTION 4 : Overall how anxious did you feel yesterday? |
| RESIDENCE_LOCALAUTHORITY | Place of residence - Local Authority |
| RESIDENCE_UPPERTIER_LOCALAUTHORITY | Place of residence - Upper Tier Local Authority |
| RESIDENCE_REGION | Place of residence - Region |
| RESIDENCE_CEREMONIALCOUNTY | Place of residence - Ceremonial County |
| RESIDENCE_NATIONALPARK | Place of residence - National Park |
| RESIDENCE_AONB | Place of residence - Area of Outstanding Natural Beauty |
| RESIDENCE_HERITAGECOAST | Place of residence - Heritage Coast |

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| | |
|----------------------------|---|
| RESIDENCE_WHS | Place of residence - World Heritage Site |
| RESIDENCE_NIA | Place of residence - NIA |
| RESIDENCE_NCA | Place of residence - NCA |
| RESIDENCE_LOCALACCESSFORUM | Place of residence - Local Access Forum |
| RESIDENCE_GREENBELT | Place of residence - Green Belt |
| RESIDENCE_RURALURBAN | Place of residence - Rural or Urban |
| RESIDENCE_CONSTITUENCY | Place of residence - Parliamentary Constituency |
| RESIDENCEIMDRANK | Place of residence - Index of Multiple Deprivation Rank |

b) Visit based dataset

| Variable name | Variable label |
|--------------------------|---|
| RespondentID | The unique identification number of the Respondent |
| id2 | ID2 |
| visitID | Visit ID |
| year | The survey year |
| selvisit | Whether the visit was randomly selected for further questions |
| tripnum | The Respondent's trip number |
| Interviewdate | Date of interview |
| Visitdate | Date of randomly selected visit |
| Q2TO4WEIGHT | Q2 to Q4 weighting variable |
| WeekVweight | Weekly question weighting variable |
| MonthVweight | Monthly question weighting variable |
| QuarterVweight | Quarterly question weighting variable |
| LAWeightY1WeeklyVISIT | Weight for LA level analysis - Year 1 weekly questions |
| LAWeightY2WeeklyVISIT | Weight for LA level analysis - Year 2 weekly questions |
| LAWeightY3WeeklyVISIT | Weight for LA level analysis - Year 3 weekly questions |
| LAWeightY4WeeklyVISIT | Weight for LA level analysis - Year 4 weekly questions |
| LAWeightY5WeeklyVISIT | Weight for LA level analysis - Year 5 weekly questions |
| LAWeightY6WeeklyVISIT | Weight for LA level analysis - Year 6 weekly questions |
| LAWeightY1Y6WEEKLYVISIT | Weight for LA level analysis - Year 1 to 6 cumulative weekly questions |
| LAWeightY1Y6MONTHLYVISIT | Weight for LA level analysis - Year 1 to 6 cumulative monthly questions |
| q1 | Number of visits taken by the respondent over the previous seven days |
| q2 | General type of place where most time during the visit was spent |
| Q3 | Total visit duration in minutes (PRE APRIL 2012) |
| Q3new | Total visit duration in minutes (APRIL 2012 ONWARD) |

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| | |
|-------|--|
| q4_01 | Visit activity - Eating or Drinking Out |
| q4_02 | Visit activity - Fieldsports |
| q4_03 | Visit activity - Fishing |
| q4_04 | Visit activity - Horse Riding |
| q4_05 | Visit activity - Off Road Cycling or Mountain Biking |
| q4_06 | Visit activity - Off Road Driving or Motorcycling |
| q4_07 | Visit activity - Picnicking |
| q4_08 | Visit activity - Playing with Children |
| q4_09 | Visit activity - Road Cycling |
| q4_10 | Visit activity - Running |
| q4_11 | Visit activity - Appreciating Scenery from a Car |
| q4_12 | Visit activity - Swimming Outdoors |
| q4_13 | Visit activity - Beach, Sunbathing Or Paddling |
| q4_14 | Visit activity - Visiting An Attraction |
| q4_15 | Visit activity - Walking Without a Dog (including short walks, rambling or hill walking) |
| q4_16 | Visit activity - Walking With a Dog (including short walks, rambling or hill walking) |
| q4_17 | Visit activity - Watersports |
| q4_18 | Visit activity - Wildlife Watching |
| q4_19 | Visit activity - Informal Games and Sport (for example Frisbee or gold) |
| q4_20 | Visit activity - Any Other Outdoor Activities |
| q4_21 | Visit activity - none of the activities in the list |

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| | |
|-------------|---|
| q5_01 | Specific visit location included - Woodland or Forest |
| q5_02 | Specific visit location included - Farmland |
| q5_03 | Specific visit location included - Mountain, Hill or Moorland |
| q5_04 | Specific visit location included - River, Lake or Canal |
| q5_05 | Specific visit location included - Village |
| q5_06 | Specific visit location included - Path, Cycleway or Bridleway |
| q5_07 | Specific visit location included - Country Park |
| q5_08 | Specific visit location included - Another open space in the Countryside |
| q5_09 | Specific visit location included - Park in a Town or city |
| q5_10 | Specific visit location included - Allotment or Community Garden |
| q5_11 | Specific visit location included - Children's Playground |
| q5_12 | Specific visit location included - Playing Field or Other Recreation Area |
| q5_13 | Specific visit location included - Another Open Space in a Town or city |
| q5_14 | Specific visit location included - A Beach |
| q5_15 | Specific visit location included - Other Coastline |
| q5_16 | Specific visit location included - Other places not in the list |
| q5_17 | Specific visit location included - Don't know |
| q8 | Distance to visit destination (miles) |
| q9 | Start point of the visit |
| q11 | Form of transport used for the visit |
| q12_01Y4Y6 | Visit motivation - To Spend Time With Family (APRIL 2012 ONWARD) |
| q12_02 Y4Y6 | Visit motivation - To Spend Time With Friends (APRIL 2012 ONWARD) |
| q12_03 Y4Y6 | Visit motivation - To Learn Something About The Outdoors (APRIL 2012 ONWARD) |
| q12_04 Y4Y6 | Visit motivation - For Fresh Air Or To Enjoy Pleasant Weather (APRIL 2012 ONWARD) |
| q12_05 Y4Y6 | Visit motivation - For Health Or Exercise (APRIL 2012 ONWARD) |
| q12_06 Y4Y6 | Visit motivation - For Peace and Quiet (APRIL 2012 ONWARD) |
| q12_07 Y4Y6 | Visit motivation - To Relax And Unwind (APRIL 2012 ONWARD) |

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| | |
|-------------|---|
| q12_08 Y4Y6 | Visit motivation - To Exercise Your Dog (APRIL 2012 ONWARD) |
| q12_09 Y4Y6 | Visit motivation - To Enjoy Scenery (APRIL 2012 ONWARD) |
| q12_10 Y4Y6 | Visit motivation - To Enjoy Wildlife (APRIL 2012 ONWARD) |
| q12_11 Y4Y6 | Visit motivation - To Entertain Children (APRIL 2012 ONWARD) |
| q12_12 Y4Y6 | Visit motivation - To Challenge Yourself Or Achieve Something (APRIL 2012 ONWARD) |
| q12_13 Y4Y6 | Visit motivation - To Be Somewhere You Like (APRIL 2012 ONWARD) |
| q12_14 Y4Y6 | Visit motivation - For Other Reasons (APRIL 2012 ONWARD) |
| q12_15 Y4Y6 | Visit motivation - Don't Know (APRIL 2012 ONWARD) |
| Q12_1Y1Y3 | Visit motivation - To Spend Time With Family (MARCH 2009 - MARCH 2012) |
| Q12_2Y1Y3 | Visit motivation - To Spend Time With Friends (MARCH 2009 - MARCH 2012) |
| Q12_3Y1Y3 | Visit motivation - To Learn Something About The Outdoors (MARCH 2009 - MARCH 2012) |
| Q12_4Y1Y3 | Visit motivation - For Fresh Air Or To Enjoy Pleasant Weather (MARCH 2009 - MARCH 2012) |
| Q12_5Y1Y3 | Visit motivation - For Health Or Exercise (MARCH 2009 - MARCH 2012) |
| Q12_6Y1Y3 | Visit motivation - For Peace and Quiet (MARCH 2009 - MARCH 2012) |
| Q12_7Y1Y3 | Visit motivation - To Relax And Unwind (MARCH 2009 - MARCH 2012) |
| Q12_8Y1Y3 | Visit motivation - To Exercise Your Dog (MARCH 2009 - MARCH 2012) |
| Q12_9Y1Y3 | Visit motivation - To Enjoy Scenery (MARCH 2009 - MARCH 2012) |
| Q12_10Y1Y3 | Visit motivation - To Enjoy Wildlife (MARCH 2009 - MARCH 2012) |
| Q12_11Y1Y3 | Visit motivation - To Entertain Children (MARCH 2009 - MARCH 2012) |
| Q12_12Y1Y3 | Visit motivation - To Challenge Yourself Or Achieve Something (MARCH 2009 - MARCH 2012) |
| Q12_13Y1Y3 | Visit motivation - To Be Somewhere You Like (MARCH 2009 - MARCH 2012) |
| Q12_14Y1Y3 | Visit motivation - For Other Reasons (MARCH 2009 - MARCH 2012) |
| Q12_15Y1Y3 | Visit motivation - Don't Know (MARCH 2009 - MARCH 2012) |
| q13a | The number of adults aged 16 and over on the visit (including the respondent) |
| q13b | The number of children aged 16 and under on the visit |
| q14 | Whether a dog was present on the visit |
| q15_01 | Visit expenditure incurred on - Food And Drink |

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| | |
|---------|---|
| q15_02 | Visit expenditure incurred on - Petrol\Diesel\LPG during the visit |
| q15_03 | Visit expenditure incurred on - Car Parking during the visit |
| q15_04 | Visit expenditure incurred on - Bus\Train\Ferry Fares during the visit |
| q15_05 | Visit expenditure incurred on - Hire of Equipment during the visit |
| q15_06 | Visit expenditure incurred on - Purchase Of Equipment during the visit |
| q15_07 | Visit expenditure incurred on - Maps\Guidebooks\Leaflets during the visit |
| q15_08 | Visit expenditure incurred on - Gifts\souvenirs during the visit |
| q15_09 | Visit expenditure incurred on - Admission Fees during the visit |
| q15_10 | Visit expenditure incurred on - Other Items during the visit |
| q15_11 | Visit expenditure incurred on – No spend |
| q16_01 | Visit expenditure (pence) - Food And Drink |
| q16_02 | Visit expenditure (pence) - Petrol\Diesel\LPG |
| q16_03 | Visit expenditure (pence) - Car Parking |
| q16_04 | Visit expenditure (pence) - Bus\Train\Ferry Fares) |
| q16_05 | Visit expenditure (pence) - Hire Of Equipment |
| q16_06 | Visit expenditure (pence) - Purchase of Equipment |
| q16_07 | Visit expenditure (pence) - Maps\Guidebooks\Leaflets |
| q16_08 | Visit expenditure (pence) - Gifts\Souvenirs |
| q16_09 | Visit expenditure (pence) - Admission Fees |
| q16_10 | Visit expenditure (pence) - Other Items |
| q16_tot | Visit expenditure (pence) - TOTAL |
| e1_1 | Extent of agreement about visit - I enjoyed it |
| e1_2 | Extent of agreement about visit - It made me feel calm and relaxed |
| e1_3 | Extent of agreement about visit - It made me feel refreshed and revitalised |
| e1_4 | Extent of agreement about visit - I took time to appreciate my surroundings |
| e1_5 | Extent of agreement about visit - I learned something new about the natural world |
| e1_6 | Extent of agreement about visit - I felt close to nature |

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| | |
|--------|--|
| q17 | Average number of times spent out of doors away from home, over the last 12 months |
| q18_01 | NOT spent more time out of doors over the last 12 months - Bad\poor weather |
| q18_02 | NOT spent more time out of doors over the last 12 months - Old age |
| q18_03 | NOT spent more time out of doors over the last 12 months - Poor health |
| q18_04 | NOT spent more time out of doors over the last 12 months - Physical disability |
| q18_05 | NOT spent more time out of doors over the last 12 months - Pregnant |
| q18_06 | NOT spent more time out of doors over the last 12 months - Having young children |
| q18_07 | NOT spent more time out of doors over the last 12 months - Having other caring responsibilities |
| q18_08 | NOT spent more time out of doors over the last 12 months - Too busy at home |
| q18_09 | NOT spent more time out of doors over the last 12 months - Too busy at work |
| q18_10 | NOT spent more time out of doors over the last 12 months - Not interested |
| q18_11 | NOT spent more time out of doors over the last 12 months – This isn't something for me\ people like mw |
| q18_12 | NOT spent more time out of doors over the last 12 months – Don't like going out on my own |
| q18_13 | NOT spent more time out of doors over the last 12 months - Have no access to a car |
| q18_14 | NOT spent more time out of doors over the last 12 months - Lack of public transport |
| q18_15 | NOT spent more time out of doors over the last 12 months – Too expensive |
| q18_16 | NOT spent more time out of doors over the last 12 months - Prefer to do other leisure activities |
| q18_17 | NOT spent more time out of doors over the last 12 months – Am worried about safety |
| q18_18 | NOT spent more time out of doors over the last 12 months - Concerns about where I am allowed to go or access restrictions |
| q18_19 | NOT spent more time out of doors over the last 12 months - Don't feel welcome\ feel out of place |
| q18_20 | NOT spent more time out of doors over the last 12 months – Lack of suitable places to go |
| q18_21 | NOT spent more time out of doors over the last 12 months – Don't know where to go\ lack of information |
| q18_23 | NOT spent more time out of doors over the last 12 months - No particular reason |
| q18_24 | NOT spent more time out of doors over the last 12 months - Don't Know |
| e2_1 | Extent of agreement about environmental attitudes - Spending time out of doors (including my own garden) is an important part of my life |
| e2_2 | Extent of agreement about environmental attitudes - I am concerned about damage to the natural environment |
| e2_3 | Extent of agreement about environmental attitudes - There are many natural places I may never visit but I am glad they exist |

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| | |
|-----------|---|
| e2_4 | Extent of agreement about environmental attitudes - Having open green spaces close to where I live is important |
| e3_01 | Other participation - Watching or listening to nature programs on the TV or radio |
| e3_02 | Other participation - Looking at books, photos or websites about the natural world |
| e3_03 | Other participation - Looking at natural scenery from indoors or whilst on journeys |
| e3_04 | Other participation - Sitting or relaxing in a garden |
| e3_05 | Other participation - Gardening |
| e3_06 | Other participation - Watching wildlife (including bird watching) |
| e3_07 | Other participation - Choosing to walk through local parks or green spaces on my way to other places |
| e3_08 | Other participation - Doing unpaid voluntary work out of doors |
| e3_09 | Other participation - None of the things in the list |
| e3_10 | Other participation - Don't know |
| e4_1 | Pro-environmental behaviours - I usually recycle items rather than throw them away |
| e4_2 | Pro-environmental behaviours - I usually buy eco-friendly products and brands |
| e4_3 | Pro-environmental behaviours - I usually buy seasonal or locally grown food |
| e4_4 | Pro-environmental behaviours - I choose to walk or cycle instead of using my car when I can |
| e4_5 | Pro-environmental behaviours - I encourage other people to protect the environment |
| e4_6 | Pro-environmental behaviours - I am a member of an environmental or conservation organisation |
| e4_7 | Pro-environmental behaviours - I volunteer to help care for the environment |
| e4_8 | Pro-environmental behaviours - None of these |
| e4_9 | Pro-environmental behaviours - Don't know |
| e5 | Pro-environmental behaviours - Changes in lifestyle |
| e6_1 | My local greenspaces are within easy walking distance |
| e6_2 | My local greenspaces are of a high enough standard to want to spend time there |
| e6_3 | My local greenspaces are easy to get into and around |
| age | Demographics - Age |
| sex | Demographics - Gender |
| ethnicity | Demographics - Ethnicity |

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| | |
|---------------------------------------|---|
| disability | Demographics - Illness or Disability |
| marital | Demographics - Marital Status |
| workstat | Demographics - Working status |
| SEGcombine | Demographics - Social Grade (combined codes) |
| SEGall | Demographics - Social Grade (all codes) |
| lifestage | Demographics - Lifestage |
| car | Demographics - Ownership or access to a Car |
| dog | Demographics - Ownership of a Dog |
| physical | Demographics - The number of days over the past week of 30 minutes or more physical activity |
| children_in_hh | Demographics - Children in Household |
| adults_in_hh | Demographics - Number of Adults in Household |
| hh_size | Demographics - Total Household Size |
| tenure | Demographics - Housing tenure |
| internetaccess | Internet Access at home, work or other place |
| email | Whether have an email address |
| wellbeing1 | ONS WELLBEING QUESTION 1 : Overall how satisfied are you with life nowadays? |
| wellbeing2 | ONS WELLBEING QUESTION 2 : Overall to what extent do you feel that the things you do in your life are worthwhile? |
| wellbeing3 | ONS WELLBEING QUESTION 3 : Overall, how happy did you feel yesterday? |
| wellbeing4 | ONS WELLBEING QUESTION 4 : Overall how anxious did you feel yesterday? |
| DESTINATION_EASTING | Destination - Easting |
| DESTINATION_NORTHING | Destination - Northing |
| DESTINATION_LOCALAUTHORITY | Destination - Local Authority |
| DESTINATION_UPPER_TIER_LOCALAUTHORITY | Destination - Upper Tier Local Authority |
| DESTINATION_REGION | Destination - Region |
| DESTINATION_CEREMONIALCOUNTY | Destination - Ceremonial County |
| DESTINATION_NATIONALPARK | Destination - National Park |
| DESTINATION_AONB | Destination - Area of Outstanding Natural Beauty |

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| | |
|--|---|
| DESTINATION_HERITAGECOAST | Destination - Heritage Coast |
| DESTINATION_WORLDHERITAGESITE | Destination - World Heritage Site |
| DESTINATION_NIA | Destination - NIA |
| DESTINATION_NCA | Destination - NCA |
| DESTINATION_LOCALACCESSFORUM | Destination - Local Access Forum |
| DESTINATION_GREENBELT | Destination - Green Belt |
| DESTINATION_RURALURBAN | Destination - Rural or Urban |
| DESTINATION_PARLIAMENTARYCONSTITUENCY | Destination - Parliamentary Constituency |
| DESTINATION_SSSI | Destination - SSSI |
| DESTINATION_LNR | Destination - Local Nature Reserve |
| DESTINATION_NATIONALTRUSTLAND | Destination - National Trust Land |
| DESTINATION_NNR | Destination - National Nature Reserve |
| DESTINATION_FORESTRYCOMMISSIONWOODLAND | Destination - Forestry Commission Woodland |
| DESTINATION_PARKGARDEN | Destination - Registered Park/ Garden |
| DESTINATION_WITHIN100MOFNATIONALTRAIL | Destination - National Trail (with 100m) |
| DESTINATION_IMDRANK | Destination - Index of Multiple Deprivation Rank |
| RESIDENCE_LOCALAUTHORITY | Place of residence - Local Authority |
| RESIDENCE_UPPERTIERLOCALAUTHORITY | Place of residence - Upper Tier Local Authority |
| RESIDENCE_REGION | Place of residence - Region |
| RESIDENCE_CEREMONIALCOUNTY | Place of residence - Ceremonial County |
| RESIDENCE_NATIONALPARK | Place of residence - National Park |
| RESIDENCE_AONB | Place of residence - Area of Outstanding Natural Beauty |
| RESIDENCE_HERITAGECOAST | Place of residence - Heritage Coast |
| RESIDENCE_WHS | Place of residence - WHS |
| RESIDENCE_NIA | Place of residence - NIA |
| RESIDENCE_NCA | Place of residence - NCA |
| RESIDENCE_LOCALACCESSFORUM | Place of residence - Local Access Forum |

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| | |
|------------------------|---|
| RESIDENCE_GREENBELT | Place of residence - Green Belt |
| RESIDENCE_RURALURBAN | Place of residence - Rural or Urban |
| RESIDENCE_CONSTITUENCY | Place of residence - Parliamentary Constituency |
| RESIDENCE_IMDRANK | Place of residence - Index of Multiple Deprivation Rank |