

**Coding and Data Transfer**

**for the**

**ISAAC Phase Three**  
**Environmental Questionnaire**

**ISAAC Document 082**

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## **Coding and Data Transfer for the ISAAC Phase Three Environmental Questionnaire**

### **1. Introduction**

The purpose of this document is to describe in detail how the data from the ISAAC Phase Three Environmental Questionnaire should be formatted and structured when it is sent to the ISAAC Phase Three International Data Centre (IIDC) in Auckland, New Zealand. This document has much in common with section 15 (Coding and Data Transfer) of the ISAAC Phase Three Manual.

The data may be sent via a range of media (e.g. 3.5 inch diskette, CD-ROM, email) but must be sent as computer files, not on paper forms. It is the responsibility of the principal investigator to arrange for the data to be entered onto a computer. The IIDC does not have the resources to carry out this task for any centres.

### **2. Data Entry**

Double entry or scanning (e.g. using Optical Mark Recognition hardware and software) of data should be used to minimise data entry errors. Double entry of data, as the name suggests, involves entering the data once, followed by a second entry of the data which is compared with the first version to identify any keystroke errors. Data entry computer software and some other software (e.g. Epi Info) will allow the user to compare the first and second versions of the data as the operator is entering the data for the second time. Any discrepancies between the first and second versions can immediately be resolved using the paper questionnaire as a reference. Epi-Info is free epidemiological software distributed by the Centers for Disease Control and Prevention, and may be downloaded from <http://www.cdc.gov/epiinfo/>.

Please retain the paper questionnaires in secure storage for a minimum period of 3 years following data entry. The questionnaires must be available during the data checking process for checking against the computer record. In some countries it may be a condition of ethical approval for the study that the paper questionnaires are stored for a specific period of time.

The answers to the questions provided by the child or parent should be entered onto the computer exactly as they responded. No corrections should be made to remove apparent inconsistencies between the responses to different questions.

Throughout the Environmental Questionnaire respondents are generally expected to provide only a single answer to each question. In cases where the respondent has selected two or more options (and it is not clear which option is the intended answer) the person doing data entry must use the appropriate 'Any other response' code. The reason for this is that the data entry operator has no evidence on which to judge which is the intended answer. Making such a judgement therefore risks incorporating bias into the data. Exceptions to this principle are the questions concerning cooking and heating fuels. For these questions it is possible that respondents may select more than one of the options (e.g. Electricity and Gas) and the additional information this provides may be valuable. The coding for these questions therefore allows multiple answers by providing a variable for each option (see items 30-33 and 35-38 in section 10).

Despite all precautions, errors will occur. Although the IIDC will thoroughly check all incoming data, you are requested to check your data carefully before submission.

Please check your data for:

<b>Problem</b>	<b>Solution</b>
<ul style="list-style-type: none"><li>• Incorrect number of observations. Does the number of questionnaire forms match with the number of records in the data file?</li></ul>	<ul style="list-style-type: none"><li>• Ensure that data from all the questionnaire forms has been included in the data file.</li></ul>
<ul style="list-style-type: none"><li>• Duplicated observations. Each respondent must only be included in a data file once.</li></ul>	<ul style="list-style-type: none"><li>• Delete one copy of duplicated observation.</li></ul>
<ul style="list-style-type: none"><li>• Combinations of SCHOOL and SERIAL codes which are not unique for respondents within your Centre.</li></ul>	<ul style="list-style-type: none"><li>• Change the SCHOOL or SERIAL codes of one (or more) observations to ensure that each combination is unique.</li></ul>
<ul style="list-style-type: none"><li>• Use of incorrect variables and variable names. Are all the variables listed in section 10 included in the data file and are the variable names spelt correctly?</li></ul>	<ul style="list-style-type: none"><li>• Alter data file to include missing variables or to remove inappropriate variables. Carefully check spelling of variable names in spreadsheet or database files.</li></ul>
<ul style="list-style-type: none"><li>• Blanks in any of the numeric variables.</li></ul>	<ul style="list-style-type: none"><li>• Check the questionnaire form to identify the correct code. Use the appropriate missing value code if the respondent has not answered the question (see Section 10).</li></ul>
<ul style="list-style-type: none"><li>• Invalid codes.</li></ul>	<ul style="list-style-type: none"><li>• Check with the questionnaire form and use the appropriate code (see Section 10).</li></ul>
<ul style="list-style-type: none"><li>• Valid, but implausible codes.</li></ul>	<ul style="list-style-type: none"><li>• Check for typing or data entry errors but if the code is correct for the response on the questionnaire <b>do not</b> change such values.</li></ul>

### 3. Operating Systems and Data Formats

The preferred operating systems for computer files sent to the IIDC on 3.5 inch diskette or CD-ROM are Microsoft Windows or MS-DOS. However, if principal collaborators do not have access to computers using one of these operating systems, the IIDC can convert files from Macintosh and UNIX formats.

The data format described in this section applies to the data sent to the IIDC, not necessarily to the data held locally. The structure required of the data when being sent to the IIDC certainly can be used as the local data format but it is not necessary to do so. The locally held data must be able to be transcribed to the format given in this manual. To do this each of the responses for each question required to be sent to the IIDC must have a unique code in the local data set so that they can be translated to the appropriate IIDC code.

Data for questions that have been added to the ISAAC Environmental Questionnaire to address local research hypotheses are not required by the IIDC. Only the questions of the Phase Three Environmental Questionnaire are included in this document and only the data from these questions should be sent to the IIDC.

If a centre chooses to omit any questions from the Environmental Questionnaire please code the variables for the omitted questions using the relevant code for missing or invalid data (see section 10).

#### 4. Identification

If the data is sent to the IIDC on 3.5 inch diskette or CD-ROM, the disks need to be identified clearly. This identification is achieved using a label attached to the disk and a file on the disk containing identifying information. This file is known as the DATA HEADER. The DATA HEADER file should also be included if the data is sent via email. The structure and content of the DATA HEADER is described in detail below.

The data for a centre is sent as one or more DATA files<sup>1</sup> and these files also need to be clearly identified. Each DATA file is identified by a one-line record at the beginning that gives information about that file. This single record at the beginning of each DATA file is called the FORM HEADER. The structure and content of the FORM HEADER is described in detail below.

As an additional check, each data record has identification information contained within it. This is the information on form type, form version, country and centre of survey.

There is clearly considerable redundancy involved in all this identification material but it is absolutely essential that the data received by the IIDC is unambiguous and the redundancy allows checks to be made.

#### 5. Data Structure

A single form will be used to format the Environmental Questionnaire data sent to the IIDC. If any centres would prefer to send data in another format they should contact the IIDC before formatting or sending any data.

The data files may be saved in plain text format, Epi-Info format or as Microsoft Excel 97 (or earlier) format. If a centre would prefer to use another file format it is essential to communicate with the IIDC before sending the data to ensure that the IIDC has the capability to read the intended file format.

Irrespective of the file format chosen to send the data to the IIDC, all data must be structured in the manner described in this document. In other words, the data must include a single line (row) for each respondent, the responses from that respondent must be organised into the variables described in this document and the variables must be in the order described in this document.

The item **Name** used in the section 10 is the name used by the IIDC to identify that data item (usually called a variable) in computer files. The **Columns** indicates the columns, numbered from 1 at the left margin, in which the code for the variable is to appear in the data file. Data for different respondents must be written in different records (lines).

For variables which include a decimal component please use a period (e.g. '14.5' for fourteen and five tenths) as the decimal place holder, **not** a comma (e.g. '14,5').

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<sup>1</sup> A data file is a collection of data records, each occupying one line. A data record is the information obtained about one subject, and is sometimes called a data form, or an observation.

## 6. Special Requirements for Text Format Files

### 6.1 Numeric Codes

Most variables in the Environmental Questionnaire use numeric codes (e.g. 1 for 'Yes', 2 for 'No'). If the data is sent to the IIDC in a text file blank spaces should not be included in the DATA file records (except in the DATA HEADER file) for these variables. Leading zeros are to be used where necessary to pad fields to avoid blanks. As a general rule, use the code '9' (or a sequence of '9's of appropriate length, see section 10) to indicate that there was no response from the respondent. No response may occur deliberately because it was a question that was not required to be answered, or the respondent chose not to answer the question, or may occur unintentionally because the respondent did not correctly supply the information.

### 6.2 Text Variables – Column Delimited

For variables which contain text (see items 31 and 33 in section 10) blanks may be included. However, in a text format file, it is **essential** that text is not entered that is longer than the 50 characters allocated for these variables. The 50 characters provided for items 31 and 33 should be adequate in most cases. Please advise the IIDC if more space is required. It is also essential in text format files that the variables following items 31 and 33 do not occupy any of the columns allocated to items 31 and 33, even if the columns are not occupied by characters. In other words, when entering the data you should always assume that items 31 and 33 occupy the full 50 characters (see example below).

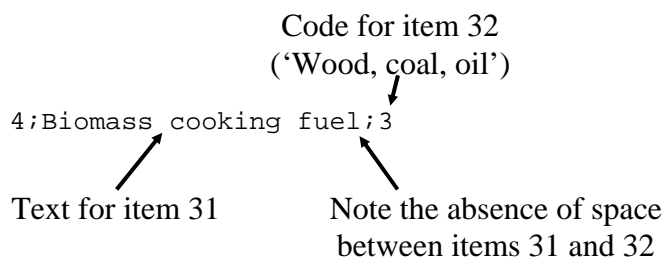
Sample entry of items 30, 31 and 33:

Code for item 30 (‘Other’)		Code for item 32 (‘Wood, coal, oil’)				
4	Biomass cooking fuel	3				
0123456789012345678901234567890123456789012345678901234567890			} Column number			
60	70	80	90	100	110	120
	Text for item 31		Space to complete the 50 characters allocated to item 31			

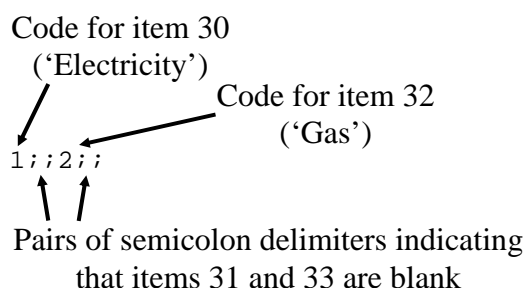
### 6.3 Text Variables – Character Delimited

An alternative approach that Collaborators may prefer is to use a standard character such as a comma (‘,’) or semicolon (‘;’) to delimit variables within a text format file. If this approach is used, collaborators must ensure that the delimiter they use is does not occur within text variables (items 31 and 33). For example, if commas are used to delimit variables, using a comma separated list of cooking fuels (e.g. Biomass, Nuclear power) would be illegal as each of the values separated by the comma would be considered to be a separate variable when reading the file.

Sample entry of items 30, 31 and 33 using semicolon delimited format:



When using delimiters, collaborators must also ensure that delimiters are used for blank variables. If a respondent has not answered ‘Other’ for item 30 or 31, items 31 and 32 should be left blank. In this case the coding for these variables should be:



When the data is read, the adjacent semicolon delimiters indicate that a variable with a null value (blank) is present, ensuring that the data for subsequent variables is read correctly.

## 7. COUNTRY, CENTRE, SCHOOL and SERIAL Codes

COUNTRY codes have been issued by the IIDC. The IIDC and the ISAAC Regional Coordinators will issue CENTRE codes as necessary when Centres register and are accepted into the study. Principal collaborators should contact the IIDC or their Regional or National Coordinator if they do know their CENTRE code. Centres that participated in Phase One will continue to use their Phase One CENTRE and COUNTRY code.

SCHOOL and SERIAL codes must be unique within each Centre and are to be allocated by the Centre. Centres may choose to allocate SERIAL codes for subjects (children) consecutively within the centre, or they may wish to re-start the numbering for each school. Either approach is acceptable as long as no two (or more) respondents share the same combination of SCHOOL and SERIAL codes within a centre. The IIDC may wish to discuss the data for individual respondents during the data checking process. Centres are therefore advised to adopt a numbering system that allows them to easily associate a record in the computer file with the corresponding paper questionnaire.

## 8. Transfer of Data

Media that may be used to transfer data files to the IIDC include 3.5 inch diskette and CD-ROM sent via post, and email. At present the IIDC does not have the capability to accept other formats such as Iomega Zip or Jaz disks, DVD or tape. Please contact the IIDC prior to data transfer if you would prefer to use these or other formats. The IIDC may also accept data files via file transfer protocol (ftp). Please contact the IIDC if you would prefer to use this method.

### 8.1 Diskette and CD-ROM

As stated above, diskettes and CD-ROMs should be written on an MS-DOS or Microsoft Windows computer. If such a computer is not available, please clearly state the name and version number of

the relevant operating system in correspondence with the IIDC and on the disc label. If at all possible, please avoid using computers with country or region specific operating systems.

The version of the data should be numbered sequentially from 01. The first copy of the data sent to the IIDC will be version 01. If, during correspondence with the IIDC, changes are made to the data and a further version of the data is sent to the IIDC, this will be version 2 and so on.

Each diskette or CD-ROM must contain at least two files: a DATA HEADER file and one or more DATA files.

**DATA HEADER file:** The DATA HEADER file contains information about the person preparing the disk and the data files included on the diskette.

Name the DATA HEADER file as "Hmmmnn.rrr", where:

mmm is the ISAAC country code number,

nn is the two digit data version number, and

rrr is the ISAAC centre code number.

For example, the first DATA HEADER from Auckland (CENTRE 001), New Zealand (COUNTRY 001) will be called H00101.001

**DATA files:** The first line of every DATA file should be the FORM HEADER. The FORM HEADER should be followed by the actual data, one line for each subject (participant), using the structure described in the data form (see section 15.4).

The data files should be named as "Dxxmmmnn.rrr", where:

xx is any number identifying the DATA file on the diskette or CD-ROM,

mmm is the ISAAC country code number,

nn is the two digit data version number, and

rrr is the ISAAC centre code number.

For example, the first DATA file from Auckland (CENTRE 001), New Zealand (COUNTRY 001) will be called D0100101.001

Diskettes or CD-ROMS should, if possible, be sent to the IIDC via registered mail. The IIDC will acknowledge receipt of data within one working day (except for holiday periods) by return mail and fax or email if a fax number or email address has been supplied. If a centre has received no response from the IIDC two weeks after the data has been sent, please contact the IIDC by fax or email to request confirmation that the data has been received.

## 8.2 Email

Data files may be sent as attachments to email messages. All email with data attachments should be sent to Tadd Clayton: t.clayton@auckland.ac.nz.

Each email message must contain at least two attached files: a DATA HEADER file and one or more DATA files.

The DATA HEADER and DATA files should include the same information and be named in the same manner as those described in section 7.1.

The IIDC will acknowledge receipt of the data. If no response has been received from the IIDC two weeks after the data has been sent, please contact the IIDC by fax or email requesting confirmation that the data has been received.



## 9. Labels and Headers

### 9.1 Disk Label

Every data diskette or CD-ROM sent from the ISAAC centre to the IIDC must have a DISK LABEL affixed to it. The DISK LABEL should include the following information:

ISAAC country number  
ISAAC centre number  
Date when the disk was written (format as DDMMYYYY)  
Data version number  
Data type  
Operating system name and version number

An example of a DISK LABEL:

This shows that:

COUNTRY:	001
CENTRE:	001
Date:	15/07/2001
Data Version:	02
Data type:	Phase Three Environment
Operating System:	Windows NT Workstation
OS Version:	NT 4

- It is from COUNTRY 001 (New Zealand).
- It is from CENTRE 001 (Auckland).
- It was written on 15 July 2001.
- It is version 2 of the data from Auckland.
- The data is from an ISAAC Phase Three Environmental Questionnaire.
- It was written using version 4 of the Windows NT Workstation operating system.

### 9.2 Data Header

The DATA HEADER file contains ten lines plus one line for every data file included on the disk. Details of each line are shown in the table below:

Line	Name	Specification and Codes	Columns
1	FORM	Identifies that this is a DATA HEADER HDISAAC	1 to 7
1	VERSION	DATA HEADER version 2	8
2	NAME	Name of person to be contacted regarding the contents of the disk.	1 to 255
3	ADDRESS	Address of person to be contacted regarding the contents of the disk.	1 to 255
4	PHONE	Telephone number, fax number and email address of the person to be contacted regarding the contents of the disk.	1 to 255
5	DWRITTEN	Date of writing the disk (ddmmyyyy)	1 to 8
6	COUNTRY	ISAAC Country code number	1 to 3
7	CENTRE	ISAAC Centre code number	1 to 3

8	DVERSION	Data version identification number	1 to 2
		The ISAAC centre must give a sequential data version number to each different version of the data that is submitted to the IIDC. The number of the first version should be 01, the second should be 02, etc. The data version number is recorded in the DATA HEADER, and also on the DISK LABEL. This number is also part of the names of the DATA HEADER and the DATA files.	
9	TOTFILE	Total number of files on the diskette, CD-ROM or attached to the email message.	1 to 3
		Record here the total number of files on the diskette, CD-ROM or attached to the email message. This number will be 1 (for the DATA HEADER) plus the number of DATA files on the disk.	
10	PHASE3	A code to identify that the data is from an ISAAC Phase Three study.	3 1
11 -		One line for each data file. The line will consist of the filename, the form type the file contains and the number of records within the file.	
	DATAxx	Data file name using the format Dxxmmmmnn.rrrr where: xx is a unique identifier, mmm is the ISAAC country number, nn is the last two digits of the data version number (DVERSION), and rrrr is the ISAAC centre number	1 to 12
	<b>blank</b>		13 to 15
	FORMxx	Type of form within the data file. This will be 08 for Environmental Questionnaire data unless otherwise agreed with the IIDC.	16 to 17
	<b>blank</b>		18 to 20
	NUMRECxx	Number of data records within the data file. DATAxx, FORMxx and NUMRECxx are repeated as many times as is necessary to describe all the data files on the disk.	21 to 26

An example of a DATA HEADER:

```

HDISAAC2
Tadd Clayton
Department of Paediatrics, University of Auckland, Private Bag 92019, Auckland,
New Zealand.
Ph: +64 9 373 7599x6451, Fax: +64 9 373 7602, Email: t.clayton@auckland.ac.nz
27/08/2000
001
001
01
004
3
D0100101.001 08 000435
D0200101.001 08 000416
D0300101.001 08 002516

```

This shows that:

- The file is a DATA HEADER (version 2).
- It was prepared by Tadd Clayton.
- It was written on 27 August 2000.
- It is from COUNTRY 001 (New Zealand).
- It is from CENTRE 001 (Auckland).
- It is version 1 of the data.
- There are 4 files on the diskette, CD-ROM or attached to the email.
- The data is from an ISAAC Phase Three Environmental Questionnaire.
- There are three data files containing data on 435 subjects, 416 subjects and 2,516 subjects respectively.

Note that the line containing the address information and the line containing the telephone, fax and email information have wrapped to a second line in this example. In the actual DATA HEADER each would occupy a single line of up to 255 characters.

### 9.3 Form Header

The FORM HEADER is the first line of information in each text format data file. If a centre sends the data as a spreadsheet, the FORM HEADER should occupy the top left cell of the spreadsheet with the remaining cells on the first row left blank. If a centre sends the data as a database file, the FORM HEADER should be omitted from the file but the information contained in the FORM HEADER, including identification of the file to which it applies, should be included in correspondence to the IIDC.

The FORM HEADER includes the following information:

<b>Name</b>	<b>Specification and Codes</b>		<b>Columns</b>
FORM	Identifies that this is a FORM HEADER	HDRFORM	1 to 7
VERSION	FORM HEADER version	2	8
HDFORM	Form identification of the following forms	08	9 to 10
HDVERSN	Form version of the following forms	1	11
HDNMFRM	Number of records of type HDFORM in this file		12 to 17
PHASE3	Identifies that the data is from an ISAAC Phase Three study	3	18

None of the characters in the FORM HEADER should be left blank.

HDFORM is the code that identifies the form used to structure the data in the file. For all ISAAC Phase Three Environmental Questionnaire data this will be 08 unless the principal collaborator and the IIDC have agreed to use a different, centre specific form.

The number of records (HDMNFRM) included in the FORM HEADER should be consistent with the number of records included in the DATA HEADER for the data file.

An example of a FORM HEADER:

```
HDRFORM20810025573
```

This shows that:

- This is a FORM HEADER.
- This is version 2 of the FORM HEADER.

- The DATA file uses version 1 of FORM 08 to structure the data.
- The DATA file contains 2557 records.
- The data in the DATA file is from an ISAAC Phase Three study.

## 10. Codes

PHASE THREE DATA COLLECTION  
**ENVIRONMENTAL QUESTIONNAIRE DATA**

Form: 08  
 Version 1

Item	Name	Specification and Codes	Columns
1	FORM	Questionnaire type 08 = Environmental questionnaire data	THIS IS FORM TYPE 08 CODE 08 HERE 1-2
2	VERSION	Form version	1 3
3	COUNTRY	ISAAC Country code	4-6
4	CENTRE	ISAAC Centre code	7-9
5	AGEGRP	Age group of the children / respondents 06 = 6 and 7 year old children 13 = 13 and 14 year old respondents	10-11
6	SCHOOL	School identification number	12-15
7	SERIAL	Serial number of respondent	16-22
8	DINT	Date of interview / receiving response Use ddmmyyyy where: dd = Day mm = Month yyyy = Year Note: Use code 99 or 9999 if information is not available for any of these components.	23-30
9	WEIGHT	How much does your child / do you weigh? Note: Use code '9999999' for an invalid response.	31-37
10	WGTUNIT	Measurement used for weight. 1 = Kilograms 2 = Stone 3 = Pounds 4 = Stone and pounds 9 = Any other response Note: If you use kilograms or stone and decimal places are necessary, please ensure that you use only the period (.) as the decimal placeholder, and that you include a maximum of one decimal place. Note: If you use stone and pounds, please separate the two components with an underscore character (e.g. 4_7 for 4 stone, 7 pounds).	38
11	HEIGHT	How tall is your child / are you? Note: Use code '9999999' for an invalid response.	39-45

12	HGTUNIT	<p>Measurement used for height.</p> <p>1 = Metres  2 = Centimetres  3 = Feet and inches  9 = Any other response</p> <p>Note: If you use metres and decimal places are necessary, please ensure that you use only the period (.) as the decimal placeholder, and that you include a maximum of one decimal place.</p> <p>Note: If you use feet and inches, please separate the two components with an underscore character (e.g. 3_11 for 3 feet, 11 inches).</p>	46
13	MEAT	<p>In the past 12 months, how often, on average did your child / did you eat meat (e.g. beef, lamb, chicken, pork)?</p> <p>1 = Never or occasionally  2 = Once or twice per week  3 = Three or more times a week  9 = Any other response</p>	47
14	SEAFOOD	<p>In the past 12 months, how often, on average did your child / did you eat seafood (including fish)?</p> <p>1 = Never or occasionally  2 = Once or twice per week  3 = Three or more times a week  9 = Any other response</p>	48
15	FRUIT	<p>In the past 12 months, how often, on average did your child / did you eat fruit?</p> <p>1 = Never or occasionally  2 = Once or twice per week  3 = Three or more times a week  9 = Any other response</p>	49
16	VEGES	<p>In the past 12 months, how often, on average did your child / did you eat vegetables (green and root)?</p> <p>1 = Never or occasionally  2 = Once or twice per week  3 = Three or more times a week  9 = Any other response</p>	50
17	PULSES	<p>In the past 12 months, how often, on average did your child / did you eat pulses (peas, beans, lentils)?</p> <p>1 = Never or occasionally  2 = Once or twice per week  3 = Three or more times a week  9 = Any other response</p>	51
18	CEREAL	<p>In the past 12 months, how often, on average did your child / did you eat cereal (including bread)?</p> <p>1 = Never or occasionally  2 = Once or twice per week  3 = Three or more times a week  9 = Any other response</p>	52

19	PASTA	<p>In the past 12 months, how often, on average did your child / did you eat pasta?</p> <p>1 = Never or occasionally  2 = Once or twice per week  3 = Three or more times a week  9 = Any other response</p>	53
20	RICE	<p>In the past 12 months, how often, on average did your child / did you eat rice?</p> <p>1 = Never or occasionally  2 = Once or twice per week  3 = Three or more times a week  9 = Any other response</p>	54
21	BUTTER	<p>In the past 12 months, how often, on average did your child / did you eat butter?</p> <p>1 = Never or occasionally  2 = Once or twice per week  3 = Three or more times a week  9 = Any other response</p>	55
22	MARGARIN	<p>In the past 12 months, how often, on average did your child / did you eat margarine?</p> <p>1 = Never or occasionally  2 = Once or twice per week  3 = Three or more times a week  9 = Any other response</p>	56
23	NUTS	<p>In the past 12 months, how often, on average did your child / did you eat nuts?</p> <p>1 = Never or occasionally  2 = Once or twice per week  3 = Three or more times a week  9 = Any other response</p>	57
24	POTATO	<p>In the past 12 months, how often, on average did your child / did you eat potatoes?</p> <p>1 = Never or occasionally  2 = Once or twice per week  3 = Three or more times a week  9 = Any other response</p>	58
25	MILK	<p>In the past 12 months, how often, on average did your child / did you drink milk?</p> <p>1 = Never or occasionally  2 = Once or twice per week  3 = Three or more times a week  9 = Any other response</p>	59
26	EGGS	<p>In the past 12 months, how often, on average did your child / did you eat eggs?</p> <p>1 = Never or occasionally  2 = Once or twice per week  3 = Three or more times a week  9 = Any other response</p>	60

27	FASTFOOD	<p>In the past 12 months, how often, on average did your child / did you eat fast food/burgers?</p> <p>1 = Never or occasionally  2 = Once or twice per week  3 = Three or more times a week  9 = Any other response</p>	61
28	EXERCISE	<p>How many times a week does your child / do you engage in vigorous physical activity long enough to make him / her / you breathe hard?</p> <p>1 = Never or occasionally  2 = Once or twice per week  3 = Three or more times per week  9 = Any other response</p>	62
29	TELEVIS	<p>During a normal week, how many hours a <b><u>day (24 hours)</u></b> does your child / do you watch television?</p> <p>1 = Less than 1 hour  2 = 1 hour but less than 3 hours  3 = 3 hours but less than 5 hours  4 = 5 hours or more  9 = Any other response</p>	63
30	CFELEC	<p>In your house, what fuel is usually used for cooking?:  Electricity</p> <p>1 = Yes  9 = Any other response</p>	64
31	CFGAS	<p>In your house, what fuel is usually used for cooking?:  Gas</p> <p>1 = Yes  9 = Any other response</p>	65
32	CFFIRE	<p>In your house, what fuel is usually used for cooking?:  Open fires</p> <p>1 = Yes  9 = Any other response</p>	66
33	CFOTHER	<p>In your house, what fuel is usually used for cooking?:  Other</p> <p>1 = Yes  9 = Any other response</p>	67
34	CFUELTY	<p>Note: Please enter the fuel name specified. Leave blank if no fuel was specified, or an illegible or invalid response was provided.</p>	68-117
35	HFELEC	<p>In your house, what fuel is usually used for heating?:  Electricity</p> <p>1 = Yes  9 = Any other response</p>	118
36	HFGAS	<p>In your house, what fuel is usually used for heating?:  Gas, kerosene, paraffin</p> <p>1 = Yes  9 = Any other response</p>	119



37	HFWOOD	In your house, what fuel is usually used for heating?: Wood, coal, oil 1 = Yes 9 = Any other response	120
38	HFOTHER	In your house, what fuel is usually used for heating?: Other 1 = Yes 9 = Any other response	121
39	HFUELTYP	Note: Please enter the fuel name specified. Leave blank if no fuel was specified, or an illegible or invalid response was provided.	122-171
40	PARAYNG	In the first 12 months of your child's life, did you usually give paracetamol (e.g. [ <i>local trade name(s) for paracetamol</i> ]) for fever? 1 = Yes 2 = No 9 = Any other response Note: Code '9' for the 13-14 year age group as this question is not applicable for this age group.	172
41	PARANOW	In the past 12 months, how often, on average, have you given your child / have you taken paracetamol (e.g. [ <i>local trade name(s) for paracetamol</i> ])? 1 = Never 2 = At least once a year 3 = At least once per month 9 = Any other response	173
42	ANTIBIOT	In the first 12 months of life, did your child have any antibiotics? 1 = Yes 2 = No 9 = Any other response Note: Code '9' for the 13-14 year age group as this question is not applicable for this age group.	174
43	OLDSIBS	How many older brothers and sisters does your child / do you have? Note: Use code '99' for an invalid response.	175-176
44	YNGSIBS	How many younger brothers and sisters does your child / do you have? Note: Use code '99' for an invalid response.	177-178
45	CNTRYBIR	Was your child / were you born in [ <i>country of study</i> ]? 1 = Yes 2 = No 9 = Any other response	179
46	YRSLIVED	How many years has your child / have you lived in [ <i>country of study</i> ]? Note: Use code '99' for an invalid response.	180-181

47	MEDUPRI	<p>What level of education has the child's / has your mother received? Primary school</p> <p>1 = Yes</p> <p>9 = Any other response</p> <p>Note: Local wording may be used for this category (see the guide to use of the Environmental Questionnaire).</p>	182
48	MEDUSEC	<p>What level of education has the child's / has your mother received? Secondary school</p> <p>1 = Yes</p> <p>9 = Any other response</p> <p>Note: Local wording may be used for this category (see the guide to use of the Environmental Questionnaire).</p>	183
49	MEDUTER	<p>What level of education has the child's / has your mother received? College, university or other form of tertiary education</p> <p>1 = Yes</p> <p>9 = Any other response</p> <p>Note: Local wording may be used for this category (see the guide to use of the Environmental Questionnaire).</p>	184
50	TRUCFREQ	<p>How often do trucks pass through the street where you live, on weekdays?</p> <p>1 = Never</p> <p>2 = Seldom</p> <p>3 = Frequently through the day</p> <p>4 = Almost the whole day</p> <p>9 = Any other response</p>	185
51	BWEIGHT	<p>What was the weight of your child when he / she was born?</p> <p>Note: Use code '9999999' for an invalid response.</p> <p>Note: Code '9' for the 13-14 year age group as this question is not applicable for this age group.</p>	186-192
52	BWGTUNIT	<p>Measurement used for birth weight.</p> <p>1 = Kilograms</p> <p>2 = Stone</p> <p>3 = Pounds</p> <p>4 = Pounds and ounces</p> <p>9 = Any other response</p> <p>Note: Code '9' for the 13-14 year age group as this question is not applicable for this age group.</p> <p>Note: If you use kilograms or stone or pounds and decimal places are necessary, please ensure that you use only the period (.) as the decimal placeholder, and that you include a maximum of one decimal place.</p> <p>Note: If you use pounds and ounces, please separate the two components with an underscore character (e.g. 8_3 for 8 pounds, 3 ounces).</p>	193

53	BRSTFED	<p>Was your child breastfed?</p> <p>1 = Yes 2 = No 9 = Any other response</p> <p>Note: Code '9' for the 13-14 year age group as this question is not applicable for this age group.</p>	194
54	CATYNG	<p>Did you have a cat in your home during the first year of your child's life?</p> <p>1 = Yes 2 = No 9 = Any other response</p> <p>Note: Code '9' for the 13-14 year age group as this question is not applicable for this age group.</p>	195
55	CATNOW	<p>In the past 12 months, have you had a cat in your home?</p> <p>1 = Yes 2 = No 9 = Any other response</p>	196
56	DOGYNG	<p>Did you have a dog in your home during the first year of your child's life?</p> <p>1 = Yes 2 = No 9 = Any other response</p> <p>Note: Code '9' for the 13-14 year age group as this question is not applicable for this age group.</p>	197
57	DOGNOW	<p>In the past 12 months, have you had a dog in your home?</p> <p>1 = Yes 2 = No 9 = Any other response</p>	198
58	ANIYNG	<p>In your child's first year of life did he / she have regular (at least once a week) contact with farm animals (e.g. cattle, pigs, goats, sheep or poultry)?</p> <p>1 = Yes 2 = No 9 = Any other response</p> <p>Note: Code '9' for the 13-14 year age group as this question is not applicable for this age group.</p>	199
59	ANIMOTH	<p>Has this child's mother had regular (at least once a week) contact with farm animals (e.g. cattle, pigs, goats, sheep or poultry) while being pregnant with this child?</p> <p>1 = Yes 2 = No 9 = Any other response</p> <p>Note: Code '9' for the 13-14 year age group as this question is not applicable for this age group.</p>	200

60	MSNOW	<p>Does your (child's) mother (or female guardian) smoke cigarettes?</p> <p>1 = Yes 2 = No 9 = Any other response</p>	201
61	MNCNOW	<p>If <b>YES</b>, about how many cigarettes does the child's mother (or female guardian) smoke each day?</p> <p>Note: Use code '99' for an invalid response. Note: Use code '99' if the mother or female guardian does not smoke. Note: Use code '99' for the 13-14 year age group as this question is not applicable for this age group.</p>	202-203
62	FSNOW	<p>Does your (child's) father (or male guardian) smoke cigarettes?</p> <p>1 = Yes 2 = No 9 = Any other response</p>	204
63	FNCNOW	<p>If <b>YES</b>, about how many cigarettes does the child's father (or male guardian) smoke each day?</p> <p>Note: Use code '99' for an invalid response. Note: Use code '99' if the father or male guardian does not smoke. Note: Use code '99' for the 13-14 year age group as this question is not applicable for this age group.</p>	205-206
64	MSYNG	<p>Did your child's mother (or female guardian) smoke cigarettes during your child's first year of life?</p> <p>1 = Yes 2 = No 9 = Any other response</p> <p>Note: Code '9' for the 13-14 year age group as this question is not applicable for this age group.</p>	207
65	SMOKERS	<p>How many people living in the house smoke cigarettes, including parents?</p> <p>Note: No people (i.e. 0 people) is a valid response. Note: Use code '99' for an invalid response.</p>	208-209