

# The Arizona Border Study

*An Extension of the  
Arizona National Human Exposure Assessment Survey (NHEXAS) Study  
Sponsored by the Environmental Health Workgroup of the Border XXI Program*

## Quality Systems and Implementation Plan for Human Exposure Assessment

The University of Arizona  
Tucson, Arizona 85721

Cooperative Agreement CR 824719

**Standard Operating Procedure**

**SOP-UA-D-21.0**

**Title:** Cleaning: Food Diary Follow Up

**Source:** The University of Arizona

U.S. Environmental Protection Agency  
Office of Research and Development  
Human Exposure & Atmospheric Sciences Division  
Exposure & Dose Research Branch

**Notice:** The U.S. Environmental Protection Agency (EPA), through its Office of Research and Development (ORD), partially funded and collaborated in the research described here. This protocol is part of the Quality Systems Implementation Plan (QSIP) that was reviewed by the EPA and approved for use in this demonstration/scoping study. Mention of trade names or commercial products does not constitute endorsement or recommendation by EPA for use.

~~Environmental Protection Agency~~ <sup>ESG 7-11-97</sup>  
~~Contract Number: CR821560~~ <sup>ESG 7-11-97</sup>

**Title:   Cleaning: Food Diary Follow Up**

Document No. UA-D-21.0

## APPROVALS

☒ Full SOP ☒ Working SOP #pages 2/2

On Site Principal Investigator:

Issue Date: June 1997

Project QA Director:

Revision No. 21.0

Independent Reviewer:

Revision No:  
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Revision Date:  
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Project QA Director:

Independent Reviewer:

Distributed To:

Revision No.

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## **Cleaning: Food Diary Follow Up**

### **1.0 Purpose and Applicability**

The purpose of this procedure is to define the particular steps involved in cleaning the electronic data generated from data entry of the Food Diary Follow Up Questionnaire. It applies to electronic data corresponding to the Food Diary Follow Up Questionnaire that was scanned and verified by the Data Staff for NHEXAS Arizona, the Border Study, or other Health and the Environment projects.

### **2.0 Definitions**

- 2.1 **BORDER STUDY:** An alias for "Total Human Exposure Arizona: A Comparison of the Border Communities and the State" conducted in Arizona by the University of Arizona/Battelle/Illinois Institute of Technology consortium.
- 2.2 **DATA CLEANING:** The process of locating and correcting data processing and field technician errors. They can be individual level errors in the electronic and physical data, or they can be system level errors in the data collection, packaging, coding, entry, and cleaning procedures themselves. This process is also referred to as "data validation."
- 2.3 **DATA, ELECTRONIC:** Data stored on some type of magnetic or optical medium (for example: floppy disk, hard disk).
- 2.4 **DATA, ENTERED:** Electronic data scanned into a data file using Teleform scanning software. Entered data are the product of "data entry."
- 2.5 **DATA, VERIFIED:** Electronic data that has cleared through the Teleform Verification process. In the Verification process Teleform reviews all of the entered data and displays any possible errors. These potential errors are reviewed by a Data Technician. Once all of the errors are fixed the data is saved to an ASCII file.
- 2.6 **DATA CLEANING BATCH:** A collection of electronic data, along with their corresponding physical forms. Data cleaning batches are formed after one or more data processing batches (see **DATA PROCESSING BATCH** below) are scanned. The data cleaning batches are then cleaned (see **DATA CLEANING**) and appended to the master database (as described in UA-D-44.X). Each data cleaning batch is assigned a numeric descriptor of the form MMDDYY, where MM is the month the batch was created, DD is the day the batch was created, and YY is the year the batch was created. If more than one batch is created on the same day, each batch after the first is assigned a descriptor of the form MMDDYY\_N, where N denotes the batch as being the Nth batch created that day.
- 2.7 **HEALTH AND ENVIRONMENT PROJECTS (or H&E):** An umbrella title for all projects funded to M.D. Lebowitz and/or M.K. O'Rourke (or their designees) which

examine purported or real relationships among environmental factors and any aspect of human health.

- 2.8 HRP SITE: The **H**ealth **R**elated **P**rofessions building, located at 1435 North Fremont Avenue; Tucson, AZ 85719. This is an annex of the Arizona Prevention Center and the primary site of NHEXAS Arizona, the Border Study, or other Health and the Environment projects.
- 2.9 MASS DATA MESSAGE PROCESS (or MDM) = The data processing program used by NHEXAS Arizona, the Border Study, and other Health and Environment projects.
- 2.10 NHEXAS Arizona: Acronym for **N**ational **H**uman **E**Xposure **A**ssessment **S**urvey, a research project conducted in Arizona by the University of Arizona/Battelle/Illinois Institute of Technology consortium.

### 3.0 References

SOP UA-D-44.X (Operation Manual of the Mass Data Message Program) (This Volume)

### 4.0 Discussion

A copy of the Food Diary Follow Up Questionnaire is given in Appendix A. This copy has each variable labeled for easy reference. Questionnaires and Forms are reviewed for completeness and accuracy prior to being transferred to the data section of the project. These checks are designed to generate flawless forms and questionnaires prior to data entry. Once entered and verified the data is subject to logic checks through the application of Dictionaries and other projects. A copy of the Dictionary for the Food Diary Follow Up Questionnaire is given in Appendix B. This dictionary defines the file structure for the Food Diary Follow Up Questionnaire database, as well as the logic and range checks that are performed on each field. For further reference, see SOP# UA-D-4.X.

Sometimes despite all best efforts, errors are found in data. These errors must be corrected to produce a valid database. At this time, all anticipated problems have been addressed. "Cleaning" protocols are developed concurrently with data entry to address the unanticipated problems. Specific corrections will be documented as outlined in SOP # UA-D-38.X.

### 5.0 Responsibilities

The Project Data Coordinator is responsible for writing the data cleaning instructions for the Food Diary Follow Up Questionnaire when data problems are found during the data entry process.

### 6.0 Materials and Reagents

- 6.1 Local Area Network
- 6.2 Purple Pen
- 6.3 Copy of Data Dictionary for specific form.

## 7.0 Procedure

### 7.1 Steps Followed

#### I. Data Technicians

##### A. Entering data

1. Scan and verify the form as described in UA-D-34.X.

##### B. Cleaning Data

1. Log into UNIX environment.
2. Type "data" to run the Data Cleaning program.
3. Select form type:
  - a. The user will enter "3" for Questionnaires.
  - b. The MDM will then prompt the user for a specific questionnaire. The user will then enter "5" for Diet Diary Qx.
4. The *MDM* shall prompt the user for an action. The user then selects an operation from a given list. Operations include:
  - a. Create a new batch
  - b. Clean existing batch
  - c. QA an existing batch
  - d. [Examine Descriptive Master Database]
5. The user will select the Clean existing batch option:
  - a. The *MDM* will list all possible batches to clean.
  - b. If there are no batches, the program will inform the user, and prompt the user to press the <enter> key, which will return the user to the previous menu.
  - c. If there are batches to be cleaned, the user will be prompted for a specific batch.
  - d. Once a batch is selected, it is preprocessed (checking for errors) for cleaning, and the user is given information regarding the status of the preprocessing.
  - e. If no errors are found within in the data, the *MDM* will send mail to the Data Coordinator informing him of the newly cleaned batch.

- f. If errors are found in the data, the user is informed as to the number of errors found within the batch.
  - i. For each error found in the batch, the user will be shown the key variables to locate the record containing the error, which is displayed between dashed lines.
  - ii. The user is then prompted for an action, the action being either the changing the erroneous value, the skipping of the error, a manual change to a different variable in the current record, a manual change to any variable in any record, or the user may quit.
- g. If the user wishes to change the erroneous value:
  - i. Then "C" must be entered.
  - ii. The variable name is then displayed, and the *MDM* prompts for a new value.
  - iii. Once a new value is given, the user is given the option to accept the value given, to accept a value formatted by the *MDM*, or to abort the operation.
  - iv. If the operation is not aborted, the user is prompted for a reason for the change. Once a reason is given, the update is completed.
- h. If the user wishes to skip the error:
  - i. He/she must enter "S".
  - ii. This will cause the *MDM* to skip the current error, but not the current record.
- i. If the user wishes to change the value of a different variable in the current record:
  - i. He/she must enter "M".
  - ii. The user will then be prompted for the number of changes to be made.
  - iii. Once this number is entered, the *MDM* will then prompt for the variable to be changed.
  - iv. Once a valid variable is specified, the user is prompted for the new value.
  - v. Once a new value is given, the user is given the following options:
    - aa. Accept the value given
    - bb. Accept a value formatted by the *MDM*
    - cc. Abort the operation.

- vi. If the operation is not aborted, the user is prompted for a reason for the change. Once a reason is given, the update is completed.
- j. If the user wishes to change the value of a variable in a different record:
  - i. He/she must enter "R".
  - ii. The user will then be prompted for the number of changes to be made.
  - iii. Once this number is entered, the *MDM* will then prompt for the key variable values of the record to be modified.
  - iv. Once valid values are given, the *MDM* prompts the user for the variable to be changed.
  - v. Once a valid variable is specified, the user is prompted for the new value.
  - vi. Once a new value is given, the user is given the following options:
    - aa. Accept the value given
    - bb. Accept a value formatted by the *MDM*,
    - cc. Abort the operation.
  - vii. If the operation is not aborted, the user is prompted for a reason for the change.
  - viii. Once a reason is given, the update is completed.
- k. If the user wishes to quit, he/she must hit the "Q" key. The user is then returned to the menu defined in I.B.4.

## 7.2 Steps which are unique to the Food Diary Follow Up Questionnaire.

- 7.2.1 For each meal eaten, the subject must indicate where the meal was prepared and eaten. If the subject does not indicate both of these, the missing bubble for the location is filled.

## 8.0 Records

- 8.1 All records are automatically generated by the *data* processing program.
- 8.2 Records of all the forms in a cleaning batch are printed out when the batch is created. This list is then attached to the cleaning batch.
- 8.3 Records of the changes made to the data are located in the following directory tarred with their associated batch: /rsc53/NHEXAZdata/master/qx/fdf/data.
- 8.4 Records of the cleaning batches which have been appended to the master data base are located in the following directory: /rsc53/NHEXAZdata/master/qx/fdf. The list is kept in the file "read.me".

- 8.5 All changes to the hard copy of the form must be dated and completed in purple or red ink.

**Inclusions:**

- Appendix A: Food Diary Follow Up Questionnaire (5 pages)
- Appendix B: Food Diary Follow Up Dictionary (30 pages)



## Appendix A: Food Diary Follow Up Questionnaire

HHID	HHID	F.S.	IRN #
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**ADULT FOOD DIARY FOLLOW UP**

National Human Exposure Assessment Survey

FIRST Name (ONLY):

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Date of Completion:

<input type="text"/>	/	<input type="text"/>	/	<input type="text"/>
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FNAME

MO

DAY

EVS DATE

## INSTRUCTIONS

- Please use the **black, felt tip pen** provided in the notebook when you complete this questionnaire.
- Please follow the special guidelines typed in ***bold italics***. They tell you to either ***Continue*** to the question below, or to ***GO TO*** a given question.
- Please answer questions printed on a **white background** only. **Shaded areas** are for office use only.
- **Multiple Choice Questions:** Please fill in the appropriate bubble(s) (○) that appear to the left of each response.  
For example: How old is the puppy? ***Fill in ONE bubble.*** ○ 1 week ● 2 weeks ○ 3 weeks

Please shade bubbles like this: ● and not like this: ☒ ☑

- **Open Ended Questions:** Please write your answer on the line(s) or in the box(es) provided. Please write your numbers in the boxes using a block style without touching the sides of the boxes.

For example:

0	1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---	---

For example: How old is the puppy? ..... 

2
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 week(s)

- **If You Make a Mistake:** For multiple choice, cross out the incorrect answer(s). For open-ended questions, cross out the incorrect value(s) and write the correct value(s) above or beside the boxes.

For example: How old is the puppy? ***Fill in ONE bubble.*** ☒ 1 week ● 2 weeks ○ 3 weeksFor example: How old is the puppy? ..... 

15
<del>14</del>

 week(s)

- If you wish to not answer a question, then please draw a line through it, ***but not through the answer space.***

For example: ~~How old is the puppy?~~ ..... 

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 week(s)**All data gathered in this questionnaire is kept strictly confidential. Thank you for your time and support!**

Public reporting burden for this collection of information is estimated to average 5 minutes per response, and to require 0 hours of recordkeeping. This includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Chief, Information Policy Branch, 2136, U.S. Environmental Protection Agency, 401 M St., S.W., Washington, D.C. 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington D.C. 20503. OMB Clearance #: 2080-0053 Expires: 07/31/98

Data Use Only:	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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**Study Participants: Please begin on page 3 (next page).**

PAGE 2

Adult Food Follow Up

DESIGNATED PARTICIPANT		OFFICE USE ONLY
<p>If the participant is LESS THAN 10 YEARS OLD, what is the first name of the individual who is providing the answers for the designated respondent?</p> <p>FIRST Name (ONLY): <span style="border: 1px solid black; display: inline-block; width: 150px; height: 1.2em; vertical-align: middle;"></span></p> <p style="text-align: center; margin-left: 100px;">G FNAME</p> <p>IRN #: <span style="border: 1px solid black; display: inline-block; width: 20px; height: 1.2em; vertical-align: middle;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 1.2em; vertical-align: middle;"></span> G IRN</p> <p>What is the relationship of this individual to the person for whom the responses are provided? Fill in ONE bubble.</p> <p> <input type="radio"/> 1. Self <span style="margin-left: 20px;">G-relat</span>  <input type="radio"/> 2. Guardian  <input type="radio"/> 3. Other (Specify: _____)         </p>		<p> <input type="checkbox"/> QC  <input type="checkbox"/> X's.R  <input type="checkbox"/> Y's.N  <input type="checkbox"/> Z's.M         </p> <hr/> <p> <input type="checkbox"/> QC  <input type="checkbox"/> -5.R  <input type="checkbox"/> -8.N  <input type="checkbox"/> -9.M         </p> <hr/> <p> <input type="radio"/> 55.R <span style="margin-left: 10px;">Relat. Code</span>  <input type="radio"/> 88.N  <input type="radio"/> 99.M <span style="border: 1px solid black; display: inline-block; width: 20px; height: 1.2em; vertical-align: middle;"></span> </p> <p style="text-align: center;">G-relato</p>
<p>Comments: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>		
<p>Chain of Custody initiated _____ Consigned to packet on [ ]: ____/____/____ Box UA-G-4-2.0</p>		

## OFFICE USE ONLY

<p>Form Type:</p> <div style="border: 1px solid black; padding: 2px; text-align: center; width: 30px; margin: 0 auto;">07</div> <p>ITEM NUMBER</p> <p>NHEXAS Form ID: UA-T-1.0-8.0</p>	<p>STUDY</p> <p>Study:</p> <p> <input type="radio"/> 1. NHEXAS  <input type="radio"/> 2. Border  <input type="radio"/> 3. _____  <input type="radio"/> 4. _____  <input type="radio"/> 5. _____         </p>	<p>STAGE</p> <p>Stage #:</p> <div style="border: 1px solid black; width: 30px; height: 20px; margin: 0 auto;"></div> <p style="text-align: center;">Collapse Collapsed?</p> <p style="text-align: center;">Y N 8 O O O</p>	<p>Admin. Method:</p> <p>Admin. by: _____</p> <p> <input type="radio"/> 1. Tech  <input type="radio"/> 2. Self  <input type="radio"/> 3. Guardian  <input type="radio"/> 4. Other         </p> <p style="text-align: right;">Tech. ID</p> <div style="border: 1px solid black; width: 30px; height: 20px; margin: 0 auto;"></div>	<p>Form Status:</p> <p> <input type="radio"/> 1. Cmp  <input type="radio"/> 2. N Cmp  <input type="radio"/> 3. P Cmp  <input type="radio"/> 4. Re-col  <input type="radio"/> 5. Ref  <input type="radio"/> 7. Dest  <input type="radio"/> 8. N/A  <input type="radio"/> 9. Miss         </p>	<p>QC BY Tech. ID</p> <p>QC DATE MO DAY YR</p> <p>QC: <span style="border: 1px solid black; display: inline-block; width: 20px; height: 1.2em; vertical-align: middle;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 1.2em; vertical-align: middle;"></span> / <span style="border: 1px solid black; display: inline-block; width: 20px; height: 1.2em; vertical-align: middle;"></span> / <span style="border: 1px solid black; display: inline-block; width: 20px; height: 1.2em; vertical-align: middle;"></span></p> <p>QA: <span style="border: 1px solid black; display: inline-block; width: 20px; height: 1.2em; vertical-align: middle;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 1.2em; vertical-align: middle;"></span> / <span style="border: 1px solid black; display: inline-block; width: 20px; height: 1.2em; vertical-align: middle;"></span> / <span style="border: 1px solid black; display: inline-block; width: 20px; height: 1.2em; vertical-align: middle;"></span></p> <p style="text-align: center;">QABY QADATE</p>	<p>DE BY Tech. ID</p> <p>DE DATE MO DAY YR</p> <p>DE: <span style="border: 1px solid black; display: inline-block; width: 20px; height: 1.2em; vertical-align: middle;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 1.2em; vertical-align: middle;"></span> / <span style="border: 1px solid black; display: inline-block; width: 20px; height: 1.2em; vertical-align: middle;"></span> / <span style="border: 1px solid black; display: inline-block; width: 20px; height: 1.2em; vertical-align: middle;"></span></p> <p>DP Batch: <span style="border: 1px solid black; display: inline-block; width: 20px; height: 1.2em; vertical-align: middle;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 1.2em; vertical-align: middle;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 1.2em; vertical-align: middle;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 1.2em; vertical-align: middle;"></span></p> <p style="text-align: center;">DEBY DEDATE TECH ID DPBATCH</p>	<p>QXV: <span style="border: 1px solid black; display: inline-block; width: 20px; height: 1.2em; vertical-align: middle;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 1.2em; vertical-align: middle;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 1.2em; vertical-align: middle;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 1.2em; vertical-align: middle;"></span> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 1.2em; vertical-align: middle;"></span></p> <p style="text-align: center;">QFFA1</p>
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HHID: PS: IRN:

HHID:	PS:	IRN:
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Adult Food Follow Up

**COMPLETE THIS ON THE SAME DAY THE FOOD SAMPLES ARE COLLECTED.**1. Was breakfast eaten? *Fill in ONE bubble.*

- ☐ 1. Yes ..... *Continue below*  
☐ 2. No ..... *GO TO Question # 4 (this page below)*

*Breakfas*2. Where was your breakfast prepared and eaten? *Read choices and shade bubble for PREPARED and EATEN for the location(s) that apply.*

- |                                    | <u>PREPARED</u>                             | <u>EATEN</u>            |
|------------------------------------|---|-------------------------|
| a. Home .....                      | <input type="radio"/> P <i>B-home</i>       | <input type="radio"/> E |
| b. Restaurant or cafeteria .....   | <input type="radio"/> P <i>B-restaurant</i> | <input type="radio"/> E |
| c. Work site .....                 | <input type="radio"/> P <i>B-work</i>       | <input type="radio"/> E |
| d. School or day care center ..... | <input type="radio"/> P <i>B-school</i>     | <input type="radio"/> E |
| e. Other: .....                    | <input type="radio"/> P <i>B-other</i>      | <input type="radio"/> E |

3. How often do you eat a breakfast like the one you described in the diary? *Read choices and fill in ONE bubble.*

- ☐ 1. 6 to 7 times per week  
☐ 2. 1 to 5 times per week  
☐ 3. Less than once a week *Br-often*

4. Was lunch eaten? *Fill in ONE bubble.*

- ☐ 1. Yes ..... *Continue below*  
☐ 2. No ..... *GO TO Question # 7 (next page)*

*Lunch*5. Where was your lunch prepared and eaten? *Read choices and fill in bubble for PREPARED and EATEN for the location(s) that apply.*

- |                                    | <u>PREPARED</u>                             | <u>EATEN</u>            |
|------------------------------------|---|-------------------------|
| a. Home .....                      | <input type="radio"/> P <i>L-home</i>       | <input type="radio"/> E |
| b. Restaurant or cafeteria .....   | <input type="radio"/> P <i>L-restaurant</i> | <input type="radio"/> E |
| c. Work site .....                 | <input type="radio"/> P <i>L-work</i>       | <input type="radio"/> E |
| d. School or day care center ..... | <input type="radio"/> P <i>L-school</i>     | <input type="radio"/> E |
| e. Other: .....                    | <input type="radio"/> P <i>L-other</i>      | <input type="radio"/> E |

6. How often do you eat a lunch like the one you described in the diary? *Read choices and fill in ONE bubble.*

- ☐ 1. 6 to 7 times per week  
☐ 2. 1 to 5 times per week *Ln-often*  
☐ 3. Less than once a week

**OFFICE USE ONLY**

R	N	M
<input type="radio"/> 55	<input type="radio"/> 88	<input type="radio"/> 99

O Loc.

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*B-often*

R	N	M
<input type="radio"/> 55	<input type="radio"/> 88	<input type="radio"/> 99
<input type="radio"/> 55	<input type="radio"/> 88	<input type="radio"/> 99
<input type="radio"/> 55	<input type="radio"/> 88	<input type="radio"/> 99
<input type="radio"/> 55	<input type="radio"/> 88	<input type="radio"/> 99
<input type="radio"/> 55	<input type="radio"/> 88	<input type="radio"/> 99

R	N	M
<input type="radio"/> 55	<input type="radio"/> 88	<input type="radio"/> 99

R	N	M
<input type="radio"/> 55	<input type="radio"/> 88	<input type="radio"/> 99

O Loc.

--	--

*L-often*

R	N	M
<input type="radio"/> 55	<input type="radio"/> 88	<input type="radio"/> 99
<input type="radio"/> 55	<input type="radio"/> 88	<input type="radio"/> 99
<input type="radio"/> 55	<input type="radio"/> 88	<input type="radio"/> 99
<input type="radio"/> 55	<input type="radio"/> 88	<input type="radio"/> 99
<input type="radio"/> 55	<input type="radio"/> 88	<input type="radio"/> 99

R	N	M
<input type="radio"/> 55	<input type="radio"/> 88	<input type="radio"/> 99

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Data Use Only:	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J
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Adult Food Follow Up

7. Was dinner eaten? **Fill in ONE bubble.**

- ☐ 1. Yes ..... **Continue below**  
☐ 2. No ..... **GO TO Question # 10 (this page below)**

8. Where was your dinner prepared and eaten? **Read choices and shade bubble for PREPARED and EATEN for the location(s) that apply.**

- |                                    | <u>PREPARED</u>                     | <u>EATEN</u>            |
|------------------------------------|-------------------------------------|-------------------------|
| a. Home .....                      | <input type="radio"/> PD-home       | <input type="radio"/> E |
| b. Restaurant or cafeteria .....   | <input type="radio"/> PD-restaurant | <input type="radio"/> E |
| c. Work site .....                 | <input type="radio"/> PD-work       | <input type="radio"/> E |
| d. School or day care center ..... | <input type="radio"/> PD-school     | <input type="radio"/> E |
| e. Other: _____                    | <input type="radio"/> PD-other      | <input type="radio"/> E |

9. How often do you eat a dinner like the one you described in the diary? **Read choices and fill in ONE bubble.**

- ☐ 1. 6 to 7 times per week  
☐ 2. 1 to 5 times per week  
☐ 3. Less than once a week

10. Please think back. Were there any foods or beverages that you could not or did not collect for us? **Please list identity, source, and amount of each missing food.**

a. At breakfast:

- ☐ 1. Yes ..... **Please LIST below**  
☐ 2. No ..... **GO TO Question # 10 b**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

b. At lunch:

- ☐ 1. Yes ..... **Please LIST below**  
☐ 2. No ..... **GO TO Question # 10 c**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

c. At Dinner:

- ☐ 1. Yes ..... **Please LIST below**  
☐ 2. No ..... **GO TO Question # 10 d (next page)**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

OFFICE USE ONLY

R N M  
☐ 55 ☐ 88 ☐ 99

O Loc

☐ 55 ☐ 88 ☐ 99  
☐ 55 ☐ 88 ☐ 99  
☐ 55 ☐ 88 ☐ 99  
☐ 55 ☐ 88 ☐ 99  
☐ 55 ☐ 88 ☐ 99

R N M  
☐ 55 ☐ 88 ☐ 99

R N M  
☐ 55 ☐ 88 ☐ 99

B-Food 1 ☐ ☐ ☐  
B-Food 2 ☐ ☐ ☐  
B-Food 3 ☐ ☐ ☐

R N M  
☐ 55 ☐ 88 ☐ 99

L-Food 1 ☐ ☐ ☐  
L-Food 2 ☐ ☐ ☐  
L-Food 3 ☐ ☐ ☐

R N M  
☐ 55 ☐ 88 ☐ 99

D-Food 1 ☐ ☐ ☐  
D-Food 2 ☐ ☐ ☐  
D-Food 3 ☐ ☐ ☐

25790

Data Use Only:	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J
	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



HHID:	FS:	IRN:

PAGE 5

Adult Food Follow Up

10. (Continued) Please think back. Were there any foods or beverages that you could not or did not collect for us?

d. For snacks -- include beverages such as coffee or tea

- ☐ 1. Yes ..... Please LIST below
- ☐ 2. No ..... GO TO Question # 11 S - no coll

OFFICE USE ONLY

R N M  
☐ 55 ☐ 88 ☐ 99

S-Food 1

S-Food 2

S-Food 3

11. Did you, for any reason, eat *more or less* food than usual? Read choices and fill in ONE bubble.

- ☐ 1. More food than usual..... Continue below
- ☐ 2. Less food than usual ..... Continue below Moreless
- ☐ 3. Same as usual ..... GO TO Question # 13 (this page below)

R N M  
☐ 55 ☐ 88 ☐ 99

12. Because of... Read choices and fill in bubbles of ALL THAT APPLY.

- ☐ 1. Travel or vacation
- ☐ 2. Weight control diet
- ☐ 3. Illness or medical condition
- ☐ 4. Work or school schedule
- ☐ 5. Entertainment or social occasion MI - why
- ☐ 6. Because of the food collection study
- ☐ 7. Ease/quickness of preparation
- ☐ 8. Other (Specify: \_\_\_\_\_)

R N M  
☐ 55 ☐ 88 ☐ 99

OR Res

MI - other

13. Did you, for any reason, eat *different* foods than your usual diet? Fill in ONE bubble.

- ☐ 1. Yes ..... Continue below
- ☐ 2. No ..... STOP HERE Dif - Food

R N M  
☐ 55 ☐ 88 ☐ 99

14. Because of... Read choices and fill in bubbles of ALL THAT APPLY.

- ☐ 1. Travel or vacation
- ☐ 2. Weight control diet Dif - why
- ☐ 3. Illness or medical condition
- ☐ 4. Work or school schedule
- ☐ 5. Entertainment or social occasion
- ☐ 6. Because of the food collection study
- ☐ 7. Ease/quickness of preparation
- ☐ 8. Other (Specify: \_\_\_\_\_)

R N M  
☐ 55 ☐ 88 ☐ 99

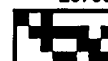
OR Res

Dif - other

Thank you for your participation!

25790

PageLink QC:	Data Use	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J
Init:	Only:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



**Appendix B: Food Diary Follow Up Dictionary**

\* Dictionary reviewed by Mary Kay 05/07/96

\* Last updated by Jared on 06/25/97

K HHID (F6.0) '', HHIDFS (A1) '', IRN (F2.0) '', Evntdt\_m (F2.0) '', Evntdt\_d (F2.0) '', Evntdt\_y (F2.0) ''

Q HHID 1 1 I6

T Household Identification

Q HHIDFS 1 7 A1

T Household Family Schism

Y 'A' First Schism - default value

Q IRN 1 8 I2

T Interview Respondent Number

R (01,10)

Q Fname 1 10 A15

T First Name

\*Q Evntdate 1 25 A8

\* T Date of Completion:

\* mm/dd/yy

Q Evntdt\_M 1 25 I2

T Date of Completion (Month)

R (01,12)

Q Evntdt\_D 1 28 I2

T Date of Completion (Day)

R (01,31)

Q Evntdt\_Y 1 31 I2

T Date of Completion (Year)

R (95,99)

Q Gfname 1 33 A15

T If the participant is less than 10 years old, what is the first name of the individual who is providing answers for the designated respondent?

Q G\_IRN 1 48 I2

T Guardian IRN #

Y -5 Refused

Y -8 N/A

Y -9 Missing

R (01,10)

P G\_rel (F3.0) '', Gfname (A15) ''

Q G\_rel 1 50 I3

T What is the relationship of this individual to the person for whom the responses are provided?

Y 001 Self

Y 002 Guardian

Y 003 Other

Y 055 R

Y 088 N

Y 099 M

P Gfname (A15) '', G\_IRN (F2.0) ''

L X (any(Gfname,"YYYYYYYYYYYYYYYY") and G\_rel=088) and (G\_IRN=-8)

L X not(any(Gfname,"YYYYYYYYYYYYYYYY")) and not(any(G\_IRN,-8) and

+ F not(any(G\_rel,088)))

Q G\_relato 1 53 I2

T What is the relationship of this individual to the person for whom the responses are provided?: Other code

Y -5 Refused

Y -8 N/A

Y -9 Missing Value

R (01,10)

P Gfname (A15) '', G\_relato (F3.0) ''

L X (any(G\_relato,001,002,088,099) and G\_relato=-8)

L X (G\_relato=003) and (range(G\_relato,01,20))

L X (G\_relato=055 and G\_relato=-8)

Q Itemnum 1 55 A2

T Form Type

Y '06' Adult Follow Up

Y '07' Pediatric Follow Up

Q Study 1 57 I14

T Study

Y 000000000000001 NHEXAS

Y 000000000000002 Border

Y 000000000000003 \_\_\_\_\_

Y 000000000000004 \_\_\_\_\_

Y 000000000000005 \_\_\_\_\_

Q Stage 1 71 I1

T Stage #:

R (1,4)

Q Collapse 1 72 I2

T Collapsed?

Y 01 Y

Y 02 N

Y 08 N/A

P Stage (F1.0) ''

L X (any(Stage,1,4,8) and Collapse = 08)

L X (any(Stage,2,3) and any(Collapse,01,02))

Q Admnmeth 1 74 I2

T Admin. Method

Y 01 Tech

Y 02 Self  
Y 03 Guardian  
Y 04 Other

Q TechID 1 76 I2

T Tech ID

P Admnmeth (F2.0) ''

Y -8 Default (Not Applicable)

Y -9 Missing

---

Information intentionally withheld due to confidentiality issues.

Q Formstat 1 78 I2

T Form Status

Y 01 Cmp

Y 02 N Cmp

Y 03 P Cmp

Y 04 Re-col

Y 05 Ref

Y 07 Dest

Y 08 N/A

Y 09 Miss

Q QCBY 1 80 I2

T QC By



Information intentionally withheld due to confidentiality issues.

\*Q QCDATE 1 82 A8

\*T QC Date

Q QCDATE\_M 1 82 I2

T QC Date: Month

R (01,12)

Q QCDATE\_D 1 85 I2

T QC Date: Day

R (01,31)

Q QCDATE\_Y 1 88 I2

T QC Date: Year

R (95,99)

Q QABY 1 90 I2

T QA By

Information intentionally withheld due to confidentiality issues.

\*Q QADATE 1 92 A8

\*T QA Date

Q QADATE\_M 1 92 I2

T QA Date: Month

R (01,12)

Q QADATE\_D 1 95 I2

T QA Date: Day

R (01,31)

Q QADATE\_Y 1 98 I2

T QA Date: Year

R (95,99)

Q DEBY 1 100 I2

T DE By

Information intentionally withheld due to confidentiality issues.

\*Q DEDATE 1 102 A8

\*T DE Date

Q DEDATE\_M 1 102 I2

T DE Date: Month

R (01,12)

Q DEDATE\_D 1 105 I2

T DE Date: Day

R (01,31)

Q DEDATE\_Y 1 108 I2

T DE Date: Year

R (96,99)

Q DPBATCH 1 110 A3

T DP Batch

Q QXV 1 113 A5

T QVX

Y 'QFFA1' Default Value

\* The missing value was left out of all of the Prepared and Eaten logic checks

\* because it is possible to have a valid answer AND the missing bubble filled in.

\* This is because if either the Prepared or Eaten Variable is missing the missing bubble is filled in.

Q Breakfas 1 118 I3

T Was Breakfast eaten

V q1

Y 001 Yes

Y 002 No

Y 055 Refused

Y 088 N/A

Y 099 Missing

P Formstat (F3.0) ''

L X (Formstat=01 and any(Breakfas,001,002,055,099))

L X (Formstat=03 and any(Breakfas,001,002,055,088,099))

L X (any(Formstat,02,05,09) and Breakfas=088)

Q B\_preph 1 121 I1

T Where was your breakfast prepared and eaten? Prepared: home

V q2a1

Y 1 Checked

Y 0 Not checked

P Breakfas (F3.0) '', Bhom\_ref (F1.0) '', Bhom\_na (F1.0) ''

L X (Breakfas=002 or Bhom\_ref=1 or Bhom\_na=1) and B\_preph = 0

L X (Breakfas=001 and Bhom\_ref=0 and Bhom\_na=0) and any(B\_preph,0,1)

Q B\_eatenh 1 122 I1

T Where was your breakfast prepared and eaten? Eaten : home

V q2a2

Y 1 Checked

Y 0 Not checked

P Breakfas (F3.0) '', Bhom\_ref (F1.0) '', Bhom\_na (F1.0) ''

L X (Breakfas=002 or Bhom\_ref=1 or Bhom\_na=1) and B\_eatenh = 0

L X (Breakfas=001 and Bhom\_ref=0 and Bhom\_na=0) and any(B\_eatenh,0,1)

Q Bhom\_ref 1 123 I1

T Where was your breakfast prepared and eaten? Refused : home

V q2ar

Y 1 Checked

Y 0 Not checked

P Breakfas (F3.0) ''

L X (any(Breakfas,002,088,099) and Bhom\_ref = 0)

L X (Breakfas = 001 and any(Bhom\_ref,0,1))

L X (Breakfas = 055 and Bhom\_ref = 1)

Q Bhom\_na 1 124 I1

T Where was your breakfast prepared and eaten? Non\_App : home

V q2an

Y 1 Checked

Y 0 Not checked

P Breakfas (F3.0) ''

L X (any(Breakfas,002,088) and Bhom\_na = 1)

L X (Breakfas = 001 and any(Bhom\_na,0,1))

L X (Breakfas = 055 and Bhom\_na = 0)

Q Bhom\_mis 1 125 I1

T Where was your breakfast prepared and eaten? Missing : home

V q2am

Y 1 Checked

Y 0 Not checked

P Breakfas (F3.0) ''

L X (any(Breakfas,002,055,088,099) and Bhom\_mis = 0)

L X (Breakfas = 001 and any(Bhom\_mis,0,1))

Q B\_prepr 1 126 I1

T Where was your breakfast prepared and eaten? Prepared : restaurant

V q2b1

Y 1 Checked

Y 0 Not checked

P Breakfas (F3.0) '', Bres\_ref (F1.0) '', Bres\_na (F1.0) ''

L X (Breakfas=002 or Bres\_ref=1 or Bres\_na=1) and B\_prepr = 0

L X (Breakfas=001 and Bres\_ref=0 and Bres\_na=0) and any(B\_prepr,0,1)

Q B\_eatenr 1 127 I1

T Where was your breakfast prepared and eaten? Eaten : restaurant

V q2b2

Y 1 Checked

Y 0 Not checked

P Breakfas (F3.0) '', Bres\_ref (F1.0) '', Bres\_na (F1.0) ''

L X (Breakfas=002 or Bres\_ref=1 or Bres\_na=1) and B\_eatenr = 0

L X (Breakfas=001 and Bres\_ref=0 and Bres\_na=0) and any(B\_eatenr,0,1)

Q Bres\_ref 1 128 I1

T Where was your breakfast prepared and eaten? Refused : restaurant

V q2br

Y 1 Checked

Y 0 Not checked

P Breakfas (F3.0) ''

L X (any(Breakfas,002,088,099) and Bres\_ref = 0)

L X (Breakfas = 001 and any(Bres\_ref,0,1))

L X (Breakfas = 055 and Bres\_ref = 1)

Q Bres\_na 1 129 I1

T Where was your breakfast prepared and eaten? Non\_App : restaurant

V q2bn

Y 1 Checked

Y 0 Not checked

P Breakfas (F3.0) ''

L X (any(Breakfas,002,088) and Bres\_na = 1)

L X (Breakfas = 001 and any(Bres\_na,0,1))

L X (Breakfas = 055 and Bres\_na = 0)

Q Bres\_mis 1 130 I1

T Where was your breakfast prepared and eaten? Missing : restaurant

V q2bm

Y 1 Checked

Y 0 Not checked

P Breakfas (F3.0) ''

L X (any(Breakfas,002,055,088,099) and Bres\_mis = 0)

L X (Breakfas = 001 and any(Bres\_mis,0,1))

Q B\_prepw 1 131 I1

T Where was your breakfast prepared and eaten? Prepared : work site

V q2c1

Y 1 Checked

Y 0 Not checked

P Breakfas (F3.0) '', Bwor\_ref (F1.0) '', Bwor\_na (F1.0) ''

L X (Breakfas=002 or Bwor\_ref=1 or Bwor\_na=1) and B\_prepw = 0

L X (Breakfas=001 and Bwor\_ref=0 and Bwor\_na=0) and any(B\_prepw,0,1)

Q B\_eatenw 1 132 I1

T Where was your breakfast prepared and eaten? Eaten : work site

V q2c2

Y 1 Checked

Y 0 Not checked

P Breakfas (F3.0) '', Bwor\_ref (F1.0) '', Bwor\_na (F1.0) ''

L X (Breakfas=002 or Bwor\_ref=1 or Bwor\_na=1) and B\_eatenw = 0

L X (Breakfas=001 and Bwor\_ref=0 and Bwor\_na=0) and any(B\_eatenw,0,1)

Q Bwor\_ref 1 133 I1

T Where was your breakfast prepared and eaten? Refused : work site

V q2cr

Y 1 Checked

Y 0 Not checked

P Breakfas (F3.0) ''

L X (any(Breakfas,002,088,099) and Bwor\_ref = 0)

L X (Breakfas = 001 and any(Bwor\_ref,0,1))

L X (Breakfas = 055 and Bwor\_ref = 1)

Q Bwor\_na 1 134 I1

T Where was your breakfast prepared and eaten? Non\_App : work site

V q2cn

Y 1 Checked

Y 0 Not checked

P Breakfas (F3.0) ''

L X (any(Breakfas,002,088) and Bwor\_na = 1)

L X (Breakfas = 001 and any(Bwor\_na,0,1))

L X (Breakfas = 055 and Bwor\_na = 0)

Q Bwor\_mis 1 135 I1

T Where was your breakfast prepared and eaten? Missing : work site

V q2cr

Y 1 Checked

Y 0 Not checked

P Breakfas (F3.0) ''

L X (any(Breakfas,002,055,088,099) and Bwor\_mis = 0)

L X (Breakfas = 001 and any(Bwor\_mis,0,1))

Q B\_preps 1 136 I1

T Where was your breakfast prepared and eaten? Prepared : school

V q2d1

Y 1 Checked

Y 0 Not checked

P Breakfas (F3.0) '', Bschr\_ref (F1.0) '', Bschr\_na (F1.0) ''

L X (Breakfas=002 or Bschr\_ref=1 or Bschr\_na=1) and B\_preps= 0

L X (Breakfas=001 and Bschr\_ref=0 and Bschr\_na=0) and any(B\_preps,0,1)

Q B\_eatens 1 137 I1

T Where was your breakfast prepared and eaten? Eaten : school

V q2d2

Y 1 Checked

Y 0 Not checked

P Breakfas (F3.0) '', Bschr\_ref (F1.0) '', Bschr\_na (F1.0) ''

L X (Breakfas=002 or Bschr\_ref=1 or Bschr\_na=1) and B\_eatens=0

L X (Breakfas=001 and Bschr\_ref=0 and Bschr\_na=0) and any(B\_eatens,0,1)

Q Bschr\_ref 1 138 I1

T Where was your breakfast prepared and eaten? Refused : school

V q2dr

Y 1 Checked

Y 0 Not checked

P Breakfas (F3.0) ''

L X (any(Breakfas,002,088,099) and Bschr\_ref = 0)

L X (Breakfas = 001 and any(Bschr\_ref,0,1))

L X (Breakfas = 055 and Bschr\_ref = 1)

Q Bschr\_na 1 139 I1

T Where was your breakfast prepared and eaten? Non\_App : school

V q2dn

Y 1 Checked

Y 0 Not checked

P Breakfas (F3.0) ''

L X (any(Breakfas,002,088) and Bschr\_na = 1)

L X (Breakfas = 001 and any(Bschr\_na,0,1))

L X (Breakfas = 055 and Bschr\_na = 0)

Q Bschr\_mis 1 140 I1

T Where was your breakfast prepared and eaten? Missing : school

V q2dm

Y 1 Checked

Y 0 Not checked

P Breakfas (F3.0) ''

L X (any(Breakfas,002,055,088,099) and Bschr\_mis = 0)

L X (Breakfas = 001 and any(Bschr\_mis,0,1))

Q B\_prepo 1 141 I1

T Where was your breakfast prepared and eaten? Prepared : other

V q2e1

Y 1 Checked

Y 0 Not checked

P Breakfas (F3.0) '', Both\_ref (F1.0) '', Both\_na (F1.0) ''

L X (Breakfas=002 or Both\_ref=1 or Both\_na=1) and B\_prepo=0

L X (Breakfas=001 and Both\_ref=0 and Both\_na=0) and any(B\_prepo,0,1)

Q B\_eateno 1 142 I1

T Where was your breakfast prepared and eaten? Eaten : other

V q2e2

Y 1 Checked

Y 0 Not checked

P Breakfas (F3.0) '', Both\_ref (F1.0) '', Both\_na (F1.0) ''

L X (Breakfas=002 or Both\_ref=1 or Both\_na=1) and B\_eateno=0

L X (Breakfas=001 and Both\_ref=0 and Both\_na=0) and any(B\_eateno,0,1)

Q Both\_ref 1 143 I1

T Where was your breakfast prepared and eaten? Refused : other

V q2er

Y 1 Checked

Y 0 Not checked

P Breakfas (F3.0) ''

L X (any(Breakfas,002,088,099) and Both\_ref = 0)

L X (Breakfas = 001 and any(Both\_ref,0,1))

L X (Breakfas = 055 and Both\_ref = 1)

Q Both\_na 1 144 I1

T Where was your breakfast prepared and eaten? Non\_App : other

V q2en

Y 1 Checked

Y 0 Not checked

P Breakfas (F3.0) ''

L X (any(Breakfas,002,088) and Both\_na = 1)

L X (Breakfas = 001 and any(Both\_na,0,1))

L X (Breakfas = 055 and Both\_na = 0)

Q Both\_mis 1 145 I1

T Where was your breakfast prepared and eaten? Missing : other

V q2em

Y 1 Checked

Y 0 Not checked

P Breakfas (F3.0) ''

L X (any(Breakfas,002,055,088,099) and Both\_mis = 0)

L X (Breakfas = 001 and any(Both\_mis,0,1))

Q B\_othloc 1 146 I2

T Where was your breakfast prepared and eaten? Other location

V q2e3

Y -5 Refused

Y -8 N/A

Y -9 Missing

R (01,35)

P Breakfas (F3.0) ''

L X ((Breakfas = 002 or B\_prepo = 0 or B\_eateno = 0) and B\_othloc = -8)

L X (B\_prepo=1 or B\_eateno=1) and (range(B\_othloc,01,35) or B\_othloc=-9)

Q Br\_often 1 148 I3

T How often do you eat a breakfast like the one you described in the diary?

V q3

Y 001 6 to 7 times per week

Y 002 1 to 5 times per week

Y 003 Less than once a week

Y 055 Refused

Y 088 N/A

Y 099 Missing

P Breakfas (F3.0) ''

L X (any(Breakfas,002,055,088,099) and Br\_often = 088)

L X (Breakfas = 001 and any(Br\_often,001,002,003,055,099))

\* The missing value was left out of all of the Prepared and Eaten logic checks

\* because it is possible to have a valid answer AND the missing bubble filled in.

\* This is because if either the Prepared or Eaten Variable is missing the missing bubble is filled in.

Q Lunch 1 151 I3

T Was lunch eaten?

V q4

Y 001 Yes

Y 002 No

Y 055 Refused

Y 088 N/A

Y 099 Missing

P Formstat (F3.0) ''

L X (Formstat=01 and any(Lunch,001,002,055,099))

L X (Formstat=03 and any(Lunch,001,002,055,088,099))

L X (any(Formstat,02,05,09) and Lunch=088)

Q L\_preph 1 154 I1

T Where was your lunch prepared and eaten? Prepared: home

Y 1 Checked

V q5a1

Y 0 Not checked

P Lunch (F3.0) '', Lhom\_ref (F1.0) '', Lhom\_na (F1.0) ''

L X (Lunch=002 or Lhom\_ref=1 or Lhom\_na=1) and L\_preph=0

L X (Lunch=001 and Lhom\_ref=0 and Lhom\_na=0) and any(L\_preph,0,1)

Q L\_eatenh 1 155 I1

T Where was your lunch prepared and eaten? Eaten : home

V q5a2

Y 1 Checked

Y 0 Not checked

P Lunch (F3.0) '', Lhom\_ref (F1.0) '', Lhom\_na (F1.0) ''

L X (Lunch=002 or Lhom\_ref=1 or Lhom\_na=1) and L\_eatenh=0

L X (Lunch=001 and Lhom\_ref=0 and Lhom\_na=0) and any(L\_eatenh,0,1)

Q Lhom\_ref 1 156 I1

T Where was your lunch prepared and eaten? Refused : home

V q5ar

Y 1 Checked

Y 0 Not checked

P Lunch (F3.0) ''



L X (any(Lunch,002,088,099) and Lhom\_ref = 0)

L X (Lunch = 001 and any(Lhom\_ref,0,1))

L X (Lunch = 055 and Lhom\_ref = 1)

Q Lhom\_na 1 157 I1

T Where was your lunch prepared and eaten? Non\_App : home

V q5an

Y 1 Checked

Y 0 Not checked

P Lunch (F3.0) ''

L X (any(Lunch,002,088) and Lhom\_na = 1)

L X (Lunch = 001 and any(Lhom\_na,0,1))

L X (Lunch = 055 and Lhom\_na = 0)

Q Lhom\_mis 1 158 I1

T Where was your lunch prepared and eaten? Missing : home

V q5am

Y 1 Checked

Y 0 Not checked

P Lunch (F3.0) ''

L X (any(Lunch,002,055,088,099) and Lhom\_mis = 0)

L X (Lunch = 001 and any(Lhom\_mis,0,1))

Q L\_prepr 1 159 I1

T Where was your lunch prepared and eaten? Prepared : restauraunt

Y 1 Checked

V q5b1

Y 0 Not checked

P Lunch (F3.0) '', Lres\_ref (F1.0) '', Lres\_na (F1.0) ''

L X (Lunch=002 or Lres\_ref=1 or Lres\_na=1) and L\_prepr=0

L X (Lunch=001 and Lres\_ref=0 and Lres\_na=0) and any(L\_prepr,0,1)

Q L\_eatenr 1 160 I1

T Where was your lunch prepared and eaten? Eaten : restaurant

V q5b2

Y 1 Checked

Y 0 Not checked

P Lunch (F3.0) '', Lres\_ref (F1.0) '', Lres\_na (F1.0) ''

L X (Lunch=002 or Lres\_ref=1 or Lres\_na=1) and L\_eatenr=0

L X (Lunch=001 and Lres\_ref=0 and Lres\_na=0) and any(L\_eatenr,0,1)

Q Lres\_ref 1 161 I1

T Where was your lunch prepared and eaten? Refused : restaurant

V q5br

Y 1 Checked

Y 0 Not checked

P Lunch (F3.0) ''

L X (any(Lunch,002,088,099) and Lres\_ref = 0)

L X (Lunch = 001 and any(Lres\_ref,0,1))

L X (Lunch = 055 and Lres\_ref = 1)

Q Lres\_na 1 162 I1

T Where was your lunch prepared and eaten? Non\_App : restaurant

V q5bn

Y 1 Checked

Y 0 Not checked

P Lunch (F3.0) ''

L X (any(Lunch,002,088) and Lres\_na = 1)

L X (Lunch = 001 and any(Lres\_na,0,1))

L X (Lunch = 055 and Lres\_na = 0)

Q Lres\_mis 1 163 I1

T Where was your lunch prepared and eaten? Missing : restaurant

V q5bm

Y 1 Checked

Y 0 Not checked

P Lunch (F3.0) ''

L X (any(Lunch,002,055,088,099) and Lres\_mis = 0)

L X (Lunch = 001 and any(Lres\_mis,0,1))

Q L\_prepw 1 164 I1

T Where was your lunch prepared and eaten? Prepared : work site

V q5c1

Y 1 Checked

Y 0 Not checked

P Lunch (F3.0) '', Lwor\_ref (F1.0) '', Lwor\_na (F1.0) ''

L X (Lunch=002 or Lwor\_ref=1 or Lwor\_na=1) and L\_prepw=0

L X (Lunch=001 and Lwor\_ref=0 and Lwor\_na=0) and any(B\_prepw,0,1)

Q L\_eatenw 1 165 I1

T Where was your lunch prepared and eaten? Eaten : work site

V q5c2

Y 1 Checked

Y 0 Not checked

P Lunch (F3.0) '', Lwor\_ref (F1.0) '', Lwor\_na (F1.0) ''

L X (Lunch=002 or Lwor\_ref=1 or Lwor\_na=1) and L\_eatenw=0

L X (Lunch=001 and Lwor\_ref=0 and Lwor\_na=0) and any(L\_eatenw,0,1)

Q Lwor\_ref 1 166 I1

T Where was your lunch prepared and eaten? Refused : work site

V q5cr

Y 1 Checked

Y 0 Not checked

P Lunch (F3.0) ''

L X (any(Lunch,002,088,099) and Lwor\_ref = 0)

L X (Lunch = 001 and any(Lwor\_ref,0,1))

L X (Lunch = 055 and Lwor\_ref = 1)

Q Lwor\_na 1 167 I1

T Where was your lunch prepared and eaten? Non\_App : work site

V q5cn

Y 1 Checked

Y 0 Not checked

P Lunch (F3.0) ''

L X (any(Lunch,002,088) and Lwor\_na = 1)

L X (Lunch = 001 and any(Lwor\_na,0,1))

L X (Lunch = 055 and Lwor\_na = 0)

Q Lwor\_mis 1 168 I1

T Where was your lunch prepared and eaten? Missing : work site

V q5cm

Y 1 Checked

Y 0 Not checked

P Lunch (F3.0) ''

L X (any(Lunch,002,055,088,099) and Lwor\_mis = 0)

L X (Lunch = 001 and any(Lwor\_mis,0,1))

Q L\_preps 1 169 I1

T Where was your lunch prepared and eaten? Prepared : school

V q5d1

Y 1 Checked

Y 0 Not checked

P Lunch (F3.0) '', Lsch\_ref (F1.0) '', Lsch\_na (F1.0) ''

L X (Lunch=002 or Lsch\_ref=1 or Lsch\_na=1) and L\_preps=0

L X (Lunch=001 and Lsch\_ref=0 and Lsch\_na=0) and any(L\_preps,0,1)

Q L\_eatens 1 170 I1

T Where was your lunch prepared and eaten? Eaten : school

V q5d2

Y 1 Checked

Y 0 Not checked

P Lunch (F3.0) '', Lsch\_ref (F1.0) '', Lsch\_na (F1.0) ''

L X (Lunch=002 or Lsch\_ref=1 or Lsch\_na=1) and L\_eatens=0

L X (Lunch=001 and Lsch\_ref=0 and Lsch\_na=0) and any(L\_eatens,0,1)

Q Lsch\_ref 1 171 I1

T Where was your lunch prepared and eaten? Refused : school

V q5dr

Y 1 Checked

Y 0 Not checked

P Lunch (F3.0) ''

L X (any(Lunch,002,088,099) and Lsch\_ref = 0)

L X (Lunch = 001 and any(Lsch\_ref,0,1))

L X (Lunch = 055 and Lsch\_ref = 1)

Q Lsch\_na 1 172 I1

T Where was your lunch prepared and eaten? Non\_App : school

V q5dn

Y 1 Checked

Y 0 Not Checked

P Lunch (F3.0) ''

L X (any(Lunch,002,088) and Lsch\_na = 1)

L X (Lunch = 001 and any(Lsch\_na,0,1))

L X (Lunch = 055 and Lsch\_na = 0)

Q Lsch\_mis 1 173 I1

T Where was your lunch prepared and eaten? Missing : school

V q5dm

Y 1 Checked

Y 0 Not checked

P Lunch (F3.0) ''

L X (any(Lunch,002,055,088,099) and Lsch\_mis = 0)

L X (Lunch = 001 and any(Lsch\_mis,0,1))

Q L\_prepo 1 174 I1

T Where was your lunch prepared and eaten? Prepared : other

V q5e1

Y 1 Checked

Y 0 Not checked

P Lunch (F3.0) '', Loth\_ref (F1.0) '', Loth\_na (F1.0) ''

L X (Lunch=002 or Loth\_ref=1 or Loth\_na=1) and L\_prepo=0

L X (Lunch=001 and Loth\_ref=0 and Loth\_na=0) and any(L\_prepo,0,1)

Q L\_eateno 1 175 I1

T Where was your lunch prepared and eaten? Eaten : other

V q5e2

Y 1 Checked

Y 0 Not checked

P Lunch (F3.0) '', Loth\_ref (F1.0) '', Loth\_na (F1.0) ''

L X (Lunch=002 or Loth\_ref=1 or Loth\_na=1) and L\_eateno=0

L X (Lunch=001 and Loth\_ref=0 and Loth\_na=0) and any(L\_eateno,0,1)

Q Loth\_ref 1 176 I1

T Where was your lunch prepared and eaten? Refused : other

V q5er

Y 1 Checked

Y 0 Not checked

P Lunch (F3.0) ''

L X (any(Lunch,002,088,099) and Loth\_ref = 0)

L X (Lunch = 001 and any(Loth\_ref,0,1))

L X (Lunch = 055 and Loth\_ref = 1)

Q Loth\_na 1 177 I1

T Where was your lunch prepared and eaten? Non\_App : other

V q5en

Y 1 Checked

Y 0 Not checked

P Lunch (F3.0) ''

L X (any(Lunch,002,088) and Loth\_na = 1)

L X (Lunch = 001 and any(Loth\_na,0,1))

L X (Lunch = 055 and Loth\_na = 0)

Q Loth\_mis 1 178 I1

T Where was your lunch prepared and eaten? Missing : other

V q5em

Y 1 Checked

Y 0 Not checked

P Lunch (F3.0) ''

L X (any(Lunch,002,055,088,099) and Loth\_mis = 0)

L X (Lunch = 001 and any(Loth\_mis,0,1))

Q L\_othloc 1 179 I2

T Where was your lunch prepared and eaten? Other location

V q5e3

Y -5 Refused Value

Y -8 Default Value

Y -9 Missing Value

R (01,50)

P Lunch (F3.0) ''

L X ((Lunch = 002 or L\_prepo = 0 or L\_eateno = 0) and L\_othloc = -8)

L X (L\_prepo=1 or L\_eateno=1) and (range(L\_othloc,01,50) or L\_othloc=-9)

Q Ln\_often 1 181 I3

T How often do you eat a lunch like the one you described in the diary?

V q6

Y 001 6 to 7 times per week

Y 002 1 to 5 times per week

Y 003 Less than once a week

Y 055 Refused

Y 088 N/A

Y 099 Missing

P Lunch (F3.0) ''

L X (any(Lunch,002,055,088,099) and Ln\_often = 088)

L X (Lunch = 001 and any(Ln\_often,001,002,003,055,099))

\* The missing value was left out of all of the Prepared and Eaten logic checks

\* because it is possible to have a valid answer AND the missing bubble filled in.

\* This is because if either the Prepared or Eaten Variable is missing the missing bubble is filled in.

Q Dinner 1 184 I3

T Was dinner eaten?

V q7

Y 001 Yes

Y 002 No

Y 055 Refused

Y 088 N/A

Y 099 Missing

P Formstat (F3.0) ''

L X (Formstat=01 and any(Dinner,001,002,055,099))

L X (Formstat=03 and any(Dinner,001,002,055,088,099))

L X (any(Formstat,02,05,09) and Dinner=088)

Q D\_preph 1 187 I1

T Where was your dinner prepared and eaten? Prepared: home

V q8a1

Y 1 Checked

Y 0 Not checked

P Dinner (F3.0) '', Dhom\_ref (F1.0) '', Dhom\_na (F1.0) ''

L X (Dinner=002 or Dhom\_ref=1 or Dhom\_na=1) and D\_preph=0

L X (Dinner=001 and Dhom\_ref=0 and Dhom\_na=0) and any(D\_preph,0,1)

Q D\_eatenh 1 188 I1

T Where was your dinner prepared and eaten? Eaten : home

V q8a2

Y 1 Checked

Y 0 Not checked

P Dinner (F3.0) '', Dhom\_ref (F1.0) '', Dhom\_na (F1.0) ''

L X (Dinner=002 or Dhom\_ref=1 or Dhom\_na=1) and D\_eatenh=0

L X (Dinner=001 and Dhom\_ref=0 and Dhom\_na=0) and any(D\_eatenh,0,1)

Q Dhom\_ref 1 189 I1

T Where was your dinner prepared and eaten? Refused : home

V q8ar

Y 1 Checked

Y 0 Not checked

P Dinner (F3.0) ''

L X (any(Dinner,002,088,099) and Dhom\_ref = 0)

L X (Dinner= 001 and any(Dhom\_ref,0,1))

L X (Dinner= 055 and Dhom\_ref = 1)

Q Dhom\_na 1 190 I1

T Where was your dinner prepared and eaten? Non\_App : home

V q8an

Y 1 Checked

Y 0 Not checked

P Dinner (F3.0) ''

L X (any(Dinner,002,088) and Dhom\_na = 1)

L X (Dinner= 001 and any(Dhom\_na,0,1))

L X (Dinner= 055 and Dhom\_na = 0)

Q Dhom\_mis 1 191 I1

T Where was your dinner prepared and eaten? Missing : home

V q8am

Y 1 Checked

Y 0 Not checked

P Dinner (F3.0) ''

L X (any(Dinner,002,055,088,099) and Dhom\_mis = 0)

L X (Dinner= 001 and any(Dhom\_mis,0,1))

Q D\_prepr 1 192 I1

T Where was your dinner prepared and eaten? Prepared : restaurant

V q8b1

Y 1 Checked

Y 0 Not checked

P Dinner (F3.0) '', Dres\_ref (F1.0) '', Dres\_na (F1.0) ''

L X (Dinner=002 or Dres\_ref=1 or Dres\_na=1) and D\_prepr=0

L X (Dinner=001 and Dres\_ref=0 and Dres\_na=0) and any(D\_prepr,0,1)

Q D\_eatenr 1 193 I1

T Where was your dinner prepared and eaten? Eaten : restaurant

V q8b2

Y 1 Checked

Y 0 Not checked

P Dinner (F3.0) '', Dres\_ref (F1.0) '', Dres\_na (F1.0) ''  
L X (Dinner=002 or Dres\_ref=1 or Dres\_na=1) and D\_eatenr=0  
L X (Dinner=001 and Dres\_ref=0 and Dres\_na=0) and any(D\_eatenr,0,1)

Q Dres\_ref 1 194 I1

T Where was your dinner prepared and eaten? Refused : restaurant

V q8br

Y 1 Checked

Y 0 Not checked

P Dinner (F3.0) ''

L X (any(Dinner,002,088,099) and Dres\_ref = 0)

L X (Dinner= 001 and any(Dres\_ref,0,1))

L X (Dinner= 055 and Dres\_ref = 1)

Q Dres\_na 1 195 I1

T Where was your dinner prepared and eaten? Non\_App : restaurant

V q8bn

Y 1 Checked

Y 0 Not checked

P Dinner (F3.0) ''

L X (any(Dinner,002,088) and Dres\_na = 1)

L X (Dinner= 001 and any(Dres\_na,0,1))

L X (Dinner= 055 and Dres\_na = 0)

Q Dres\_mis 1 196 I1

T Where was your dinner prepared and eaten? Missing : restaurant

V q8bm

Y 1 Checked

Y 0 Not checked

P Dinner (F3.0) ''

L X (any(Dinner,002,055,088,099) and Dres\_mis = 0)

L X (Dinner= 001 and any(Dres\_mis,0,1))

Q D\_prepw 1 197 I1

T Where was your dinner prepared and eaten? Prepared : work site

V q8c1

Y 1 Checked

Y 0 Not checked

P Dinner (F3.0) '', Dwor\_ref (F1.0) '', Dwor\_na (F1.0) ''

L X (Dinner=002 or Dwor\_ref=1 or Dwor\_na=1) and D\_prepw=0

L X (Dinner=001 and Dwor\_ref=0 and Dwor\_na=0) and any(D\_prepw,0,1)

Q D\_eatenw 1 198 I1

T Where was your dinner prepared and eaten? Eaten : work site

V q8c2

Y 1 Checked

Y 0 Not checked

P Dinner (F3.0) '', Dwor\_ref (F1.0) '', Dwor\_na (F1.0) ''

L X (Dinner=002 or Dwor\_ref=1 or Dwor\_na=1) and D\_eatenw=0

L X (Dinner=001 and Dwor\_ref=0 and Dwor\_na=0) and any(D\_eatenw,0,1)

Q Dwor\_ref 1 199 I1

T Where was your dinner prepared and eaten? Refused : work site

V q8cr

Y 1 Checked

Y 0 Not checked

P Dinner (F3.0) ''

L X (any(Dinner,002,088,099) and Dwor\_ref = 0)

L X (Dinner= 001 and any(Dwor\_ref,0,1))

L X (Dinner= 055 and Dwor\_ref = 1)

Q Dwor\_na 1 200 I1

T Where was your dinner prepared and eaten? Non\_App : work site

V q8cn

Y 1 Checked

Y 0 Not checked

P Dinner (F3.0) ''

L X (any(Dinner,002,088) and Dwor\_na = 1)

L X (Dinner= 001 and any(Dwor\_na,0,1))

L X (Dinner= 055 and Dwor\_na = 0)

Q Dwor\_mis 1 201 I1

T Where was your dinner prepared and eaten? Missing : work site

V q8cm

Y 1 Checked

Y 0 Not checked

P Dinner (F3.0) ''

L X (any(Dinner,002,055,088,099) and Dwor\_mis = 0)

L X (Dinner= 001 and any(Dwor\_mis,0,1))

Q D\_preps 1 202 I1

T Where was your dinner prepared and eaten? Prepared : school

V q8d1

Y 1 Checked

Y 0 Not checked

P Dinner (F3.0) '', Dsch\_ref (F1.0) '', Dsch\_na (F1.0) ''

L X (Dinner=002 or Dsch\_ref=1 or Dsch\_na=1) and D\_preps=0

L X (Dinner=001 and Dsch\_ref=0 and Dsch\_na=0) and any(D\_preps,0,1)

Q D\_eatens 1 203 I1

T Where was your dinner prepared and eaten? Eaten : school

V q8d2

Y 1 Checked

Y 0 Not checked

P Dinner (F3.0) '', Dsch\_ref (F1.0) '', Dsch\_na (F1.0) ''

L X (Dinner=002 or Dsch\_ref=1 or Dsch\_na=1) and D\_eatens=0

L X (Dinner=001 and Dsch\_ref=0 and Dsch\_na=0) and any(D\_eatens,0,1)

Q Dsch\_ref 1 204 I1

T Where was your dinner prepared and eaten? Refused : school

V q8dr

Y 1 Checked

Y 0 Not checked

P Dinner (F3.0) ''



L X (any(Dinner,002,088,099) and Dsch\_ref = 0)

L X (Dinner= 001 and any(Dsch\_ref,0,1))

L X (Dinner= 055 and Dsch\_ref = 1)

Q Dsch\_na 1 205 I1

T Where was your dinner prepared and eaten? Non\_App : school

V q8dn

Y 1 Checked

Y 0 Not checked

P Dinner (F3.0) ''

L X (any(Dinner,002,088) and Dsch\_na = 1)

L X (Dinner= 001 and any(Dsch\_na,0,1))

L X (Dinner= 055 and Dsch\_na = 0)

Q Dsch\_mis 1 206 I1

T Where was your dinner prepared and eaten? Missing : school

V q8dm

Y 1 Checked

Y 0 Not checked

P Dinner (F3.0) ''

L X (any(Dinner,002,055,088,099) and Dsch\_mis = 0)

L X (Dinner= 001 and any(Dsch\_mis,0,1))

Q D\_prepo 1 207 I1

T Where was your dinner prepared and eaten? Prepared : other

V q8e1

Y 1 Checked

Y 0 Not checked

P Dinner (F3.0) '', Doth\_ref (F1.0) '', Doth\_na (F1.0) ''

L X (Dinner=002 or Doth\_ref=1 or Doth\_na=1) and D\_prepo=0

L X (Dinner=001 and Doth\_ref=0 and Doth\_na=0) and any(D\_prepo,0,1)

Q D\_eateno 1 208 I1

T Where was your dinner prepared and eaten? Eaten : other

V q8e2

Y 1 Checked

Y 0 Not checked

P Dinner (F3.0) '', Doth\_ref (F1.0) '', Doth\_na (F1.0) ''

L X (Dinner=002 or Doth\_ref=1 or Doth\_na=1) and D\_eateno=0

L X (Dinner=001 and Doth\_ref=0 and Doth\_na=0) and any(D\_eateno,0,1)

Q Doth\_ref 1 209 I1

T Where was your dinner prepared and eaten? Refused : other

V q8er

Y 1 Checked

Y 0 Not checked

P Dinner (F3.0) ''

L X (any(Dinner,002,088,099) and Doth\_ref = 0)

L X (Dinner= 001 and any(Doth\_ref,0,1))

L X (Dinner= 055 and Doth\_ref = 1)

Q Doth\_na 1 210 I1

T Where was your dinner prepared and eaten? Non\_App : other

V q8en

Y 1 Checked

Y 0 Not checked

P Dinner (F3.0) ''

L X (any(Dinner,002,088) and Doth\_na = 1)

L X (Dinner= 001 and any(Doth\_na,0,1))

L X (Dinner= 055 and Doth\_na = 0)

Q Doth\_mis 1 211 I1

T Where was your dinner prepared and eaten? Missing : other

V q8em

Y 1 Checked

Y 0 Not checked

P Dinner (F3.0) ''

L X (any(Dinner,002,055,088,099) and Doth\_mis = 0)

L X (Dinner= 001 and any(Doth\_mis,0,1))

Q D\_othloc 1 212 I2

T Where was your dinner prepared and eaten? Other location

V q8e3

Y -5 Refused

Y -8 N/A

Y -9 Missing

R (01,50)

P Dinner (F3.0) '', D\_prepo (F1.0) '', D\_eateno (F1.0) ''

L X ((Dinner = 002 or D\_prepo = 0 or D\_eateno = 0) and D\_othloc = -8)

L X (D\_prepo=1 or D\_eateno=1) and (range(D\_othloc,01,50) or D\_othloc=-9)

Q Dn\_often 1 214 I3

T How often do you eat a dinner like the one you described in the diary?

V q9

Y 001 6 to 7 times per week

Y 002 1 to 5 times per week

Y 003 Less than once a week

Y 055 Refused

Y 088 N/A

Y 099 Missing

L X (any(Dinner,002,055,088,099) and Dn\_often = 088)

L X (Dinner = 001 and any(Dn\_often,001,002,003,055,099))

Q B\_nocoll 1 217 I3

T Please think back. Were there any foods or beverages that you could not or did not collect for us? At breakfast:

V q10a

Y 001 Yes

Y 002 No

Y 055 Refused

Y 088 N/A

Y 099 Missing

P Formstat (F3.0) ''

L X (Formstat=01 and any(B\_nocoll,001,002,055,099))

L X (Formstat=03 and any(B\_nocoll,001,002,055,088,099))

L X (any(Formstat,02,05,09) and B\_nocoll=088)

Q B\_food1 1 220 I3

T Please think back. Were there any foods or beverages that you could not or did not collect for us? At breakfast: food 1

V q10a1

Y -55 Refused Value

Y -88 Default Value

Y -99 Missing Value

R (001,999)

P B\_nocoll (F3.0) ''

L X (B\_nocoll=001 and (range(B\_food1,001,999) or any(B\_food1,-55,-99)))

L X (any(B\_nocoll,002,055,088,099) and B\_food1 = -88)

Q B\_food2 1 223 I3

T Please think back. Were there any foods or beverages that you could not or did not collect for us? At breakfast: food 2

V q10a2

Y -55 Refused Value

Y -88 Default Value

Y -99 Missing Value

R (001,999)

P B\_nocoll (F3.0) ''

L X (B\_nocoll=001 and (range(B\_food2,001,999) or any(B\_food2,-55,-88,-99)))

L X (any(B\_nocoll,002,055,088,099) and B\_food2 = -88)

Q B\_food3 1 226 I3

T Please think back. Were there any foods or beverages that you could not or did not collect for us? At breakfast: food 3

V q10a3

Y -55 Refused Value

Y -88 Default Value

Y -99 Missing Value

R (001,999)

P B\_nocoll (F3.0) ''

L X (B\_nocoll=001 and (range(B\_food3,001,999) or any(B\_food3,-55,-88,-99)))

L X (any(B\_nocoll,002,055,088,099) and B\_food3 = -88)

Q L\_nocoll 1 229 I3

T Please think back. Were there any foods or beverages that you could not or did not collect for us? At lunch:

V q10b

Y 001 Yes

Y 002 No

Y 055 Refused

Y 088 N/A

Y 099 Missing

P Formstat (F3.0) ''

L X (Formstat=01 and any(L\_nocoll,001,002,055,099))

L X (Formstat=03 and any(L\_nocoll,001,002,055,088,099))

L X (any(Formstat,02,05,09) and L\_nocoll=088)

Q L\_food1 1 232 I3

T Please think back. Were there any foods or beverages that you could not or did not collect for us? At lunch: food 1

V q10b1

Y -55 Refused Value

Y -88 Default Value

Y -99 Missing Value

R (001,999)

P L\_nocoll (F3.0) ''

L X (L\_nocoll=001 and (range(L\_food1,001,999) or any(L\_food1,-55,-99)))

L X (any(L\_nocoll,002,055,088,099) and L\_food1 = -88)

Q L\_food2 1 235 I3

T Please think back. Were there any foods or beverages that you could not or did not collect for us? At lunch: food 2

V q10b2

Y -55 Refused Value

Y -88 Default Value

Y -99 Missing Value

R (001,999)

P L\_nocoll (F3.0) ''

L X (L\_nocoll=001 and (range(L\_food2,001,999) or any(L\_food2,-55,-88,-99)))

L X (any(L\_nocoll,002,055,088,099) and L\_food2 = -88)

Q L\_food3 1 238 I3

T Please think back. Were there any foods or beverages that you could not or did not collect for us? At lunch: food 3

V q10b3

Y -55 Refused Value

Y -88 Default Value

Y -99 Missing Value

R (001,999)

P L\_nocoll (F3.0) ''

L X (L\_nocoll=001 and (range(L\_food3,001,999) or any(L\_food3,-55,-88,-99)))

L X (any(L\_nocoll,002,055,088,099) and L\_food3 = -88)

Q D\_nocoll 1 241 I3

T Please think back. Were there any foods or beverages that you could not or did not collect for us? At dinner:

V q10c

Y 001 Yes

Y 002 No

Y 055 Refused

Y 088 N/A

Y 099 Missing

P Formstat (F3.0) ''

L X (Formstat=01 and any(D\_nocoll,001,002,055,099))

L X (Formstat=03 and any(D\_nocoll,001,002,055,088,099))

L X (any(Formstat,02,05,09) and D\_nocoll=088)

Q D\_food1 1 244 I3

T Please think back. Were there any foods or beverages that you could not or did not collect for us? At dinner: food 1

V q10c1

Y -55 Refused Value

Y -88 Default Value

Y -99 Missing Value

R (001,999)

P D\_nocoll (F3.0) ''

L X (D\_nocoll=001 and (range(D\_food1,001,999) or any(D\_food1,-55,-99)))

L X (any(D\_nocoll,002,055,088,099) and D\_food1 = -88)

Q D\_food2 1 247 I3

T Please think back. Were there any foods or beverages that you could not or did not collect for us? At dinner: food 2

V q10c2

Y -55 Refused Value

Y -88 Default Value

Y -99 Missing Value

R (001,999)

P D\_nocoll (F3.0) ''

L X (D\_nocoll=001 and (range(D\_food2,001,999) or any(D\_food2,-55,-88,-99)))

L X (any(D\_nocoll,002,055,088,099) and D\_food2 = -88)

Q D\_food3 1 250 I3

T Please think back. Were there any foods or beverages that you could not or did not collect for us? At dinner: food 3

V q10c3

Y -55 Refused Value

Y -88 Default Value

Y -99 Missing Value

R (001,999)

P D\_nocoll (F3.0) ''

L X (D\_nocoll=001 and (range(D\_food3,001,999) or any(D\_food3,-55,-88,-99)))

L X (any(D\_nocoll,002,055,088,099) and D\_food3 = -88)

Q S\_nocoll 1 253 I3

T Please think back. Were there any foods or beverages that you could not or did not collect for us? For snacks:

V q10d

Y 001 Yes

Y 002 No

Y 055 Refused

Y 088 N/A

Y 099 Missing

P Formstat (F3.0) ''

L X (Formstat=01 and any(S\_nocoll,001,002,055,099))

L X (Formstat=03 and any(S\_nocoll,001,002,055,088,099))

L X (any(Formstat,02,05,09) and S\_nocoll=088)

Q S\_food1 1 256 I3

T Please think back. Were there any foods or beverages that you could not or did not collect for us? For snacks: food 1

V q10d1

Y -55 Refused Value

Y -88 N/A

Y -99 Missing Value

R (001,999)

P S\_nocoll (F3.0) ''

L X (S\_nocoll=001 and (range(S\_food1,001,999) or any(S\_food1,-55,-99)))

L X (any(S\_nocoll,002,055,088,099) and S\_food1 = -88)

Q S\_food2 1 259 I3

T Please think back. Were there any foods or beverages that you could not or did not collect for us? For snacks: food 2

V q10d2

Y -55 Refused Value

Y -88 N/A

Y -99 Missing Value

R (001,999)

P S\_nocoll (F3.0) ''

L X (S\_nocoll=001 and (range(S\_food2,001,999) or any(S\_food2,-55,-88,-99)))

L X (any(S\_nocoll,002,055,088,099) and S\_food2 = -88)

Q S\_food3 1 262 I3

T Please think back. Were there any foods or beverages that you could not or did not collect for us? For snacks: food 3

V q10d3

Y -55 Refused Value

Y -88 N/A

Y -99 Missing Value

R (001,999)

P S\_nocoll (F3.0) ''

L X (S\_nocoll=001 and (range(S\_food3,001,999) or any(S\_food3,-55,-88,-99)))

L X (any(S\_nocoll,002,055,088,099) and S\_food3 = -88)

Q Moreless 1 265 I3

T Did you, for any reason, eat more or less food than usual?

V q11

Y 001 More food than usual

Y 002 Less food than usual

Y 003 Same as usual

Y 055 Refused

Y 088 Not Applicable

Y 099 Missing

P Formstat (F3.0) ''

L X (Formstat=01 and any(Moreless,001,002,003,055,099))

L X (Formstat=03 and any(Moreless,001,002,003,055,088,099))

L X (any(Formstat,02,05,09) and Moreless=088)

Q ml\_travl 1 268 I1

T Because of... travel or vacation

V q12a1

Y 1 Checked

Y 0 Not checked

P Moreless (F3.0) '', ml\_ref (F1.0) '', ml\_na (F1.0) '', ml\_mis (F1.0) ''

L X (Moreless=003 or ml\_ref=1 or ml\_na=1 or ml\_mis=1) and ml\_travl=0

L X (any(Moreless,001,002) and ml\_ref=0 and ml\_na=0 and ml\_mis=0) and any(ml\_travl,0,1)

Q ml\_weigh 1 269 I1

T Because of... travel or vacation

V q12a2

Y 1 Checked

Y 0 Not checked

P Moreless (F3.0) '', ml\_ref (F1.0) '', ml\_na (F1.0) '', ml\_mis (F1.0) ''

L X (Moreless=003 or ml\_ref=1 or ml\_na=1 or ml\_mis=1) and ml\_weigh=0

L X (any(Moreless,001,002) and ml\_ref=0 and ml\_na=0 and ml\_mis=0) and any(ml\_weigh,0,1)

Q ml\_ill 1 270 I1

T Because of... weight control diet

V q12a3

Y 1 Checked

Y 0 Not checked

P Moreless (F3.0) '', ml\_ref (F1.0) '', ml\_na (F1.0) '', ml\_mis (F1.0) ''

L X (Moreless=003 or ml\_ref=1 or ml\_na=1 or ml\_mis=1) and ml\_ill=0

L X (any(Moreless,001,002) and ml\_ref=0 and ml\_na=0 and ml\_mis=0) and any(ml\_ill,0,1)

Q ml\_work 1 271 I1

T Because of... work or school schedule

V q12a4

Y 1 Checked

Y 0 Not checked

P Moreless (F3.0) '', ml\_ref (F1.0) '', ml\_na (F1.0) '', ml\_mis (F1.0) ''

L X (Moreless=003 or ml\_ref=1 or ml\_na=1 or ml\_mis=1) and ml\_work=0

L X (any(Moreless,001,002) and ml\_ref=0 and ml\_na=0 and ml\_mis=0) and any(ml\_work,0,1)

Q ml\_soc 1 272 I1

T Because of... entertainment or social occasion

V q12a5

Y 1 Checked

Y 0 Not checked

P Moreless (F3.0) '', ml\_ref (F1.0) '', ml\_na (F1.0) '', ml\_mis (F1.0) ''

L X (Moreless=003 or ml\_ref=1 or ml\_na=1 or ml\_mis=1) and ml\_soc=0

L X (any(Moreless,001,002) and ml\_ref=0 and ml\_na=0 and ml\_mis=0) and any(ml\_soc,0,1)

Q ml\_study 1 273 I1

T Because of... because of the food collectoin study

V q12a6

Y 1 Checked

Y 0 Not checked

P Moreless (F3.0) '', ml\_ref (F1.0) '', ml\_na (F1.0) '', ml\_mis (F1.0) ''

L X (Moreless=003 or ml\_ref=1 or ml\_na=1 or ml\_mis=1) and ml\_study=0

L X (any(Moreless,001,002) and ml\_ref=0 and ml\_na=0 and ml\_mis=0) and any(ml\_study,0,1)

Q ml\_ease 1 274 I1

T Because of... ease/quickness of preparation

V q12a7

Y 1 Checked

Y 0 Not checked

P Moreless (F3.0) '', ml\_ref (F1.0) '', ml\_na (F1.0) '', ml\_mis (F1.0) ''

L X (Moreless=003 or ml\_ref=1 or ml\_na=1 or ml\_mis=1) and ml\_ease=0

L X (any(Moreless,001,002) and ml\_ref=0 and ml\_na=0 and ml\_mis=0) and any(ml\_case,0,1)

Q ml\_othr 1 275 I1

T Because of... other

V q12a8

Y 1 Checked

Y 0 Not checked

P Moreless (F3.0) '', ml\_ref (F1.0) '', ml\_na (F1.0) '', ml\_mis (F1.0) ''

L X (Moreless=003 or ml\_ref=1 or ml\_na=1 or ml\_mis=1) and ml\_othr=0

L X (any(Moreless,001,002) and ml\_ref=0 and ml\_na=0 and ml\_mis=0) and any(ml\_othr,0,1)

Q ml\_ref 1 276 I1

T Because of... refused

V q12ar

Y 1 Checked

Y 0 Not checked

P Moreless (F3.0) ''

L X (any(Moreless,003,088,099) and ml\_ref = 0)

L X (any(Moreless,001,002) and any(ml\_ref,0,1))

L X (Moreless= 055 and ml\_ref = 1)

Q ml\_na 1 277 I1

T Because of... non-applicable

V q12an

Y 1 Checked

Y 0 Not checked

P Moreless (F3.0) ''

L X (any(Moreless,003,088,099) and ml\_na = 1)

L X (any(Moreless,001,002) and any(ml\_na,1,0))

L X (Dinner= 055 and ml\_na = 0)

Q ml\_mis 1 278 I1

T Because of... missing

V q12am

Y 1 Checked

Y 0 Not checked

P Moreless (F3.0) ''

L X (any(Moreless,003,088,099) and ml\_mis = 0)

L X (any(Moreless,001,002) and any(ml\_mis,1,0))

Q Ml\_othcd 1 279 I2

T Because of... other (code)

V q12a8o

Y -5 Refused

Y -8 N/A

Y -9 Missing

R (01,20)

P Moreless (F3.0) ''



L X (any(Moreless,003,088) or ml\_othr = 0) and Ml\_othcd = -8  
 L X (ml\_othr=1 and range(Ml\_othcd,01,20))

Q Dif\_food 1 281 I3

T Did you, for any reason, eat different foods than your usual diet?

V q13

Y 001 Yes

Y 002 No

Y 055 Refused

Y 088 N/A

Y 099 Missing

P Formstat (F3.0) ''

L X (Formstat=01 and any(Dif\_food,001,002,055,099))

L X (Formstat=03 and any(Dif\_food,001,002,055,088,099))

L X (any(Formstat,02,05,09) and Dif\_food=088)

Q df\_travl 1 284 I1

T Because of... travel or vacation

V q14a1

Y 1 Checked

Y 0 Not checked

P Dif\_food (F3.0) '', df\_ref (F1.0) '', df\_na (F1.0) '', df\_mis (F1.0) ''

L X (Dif\_food=003 or df\_ref=1 or df\_na=1 or df\_mis=1) and df\_travl=0

L X (any(Dif\_food,001,002) and df\_ref=0 and df\_na=0 and df\_mis=0) and any(df\_travl,0,1)

Q df\_weigh 1 285 I1

T Because of... weight control diet

V q14a2

Y 1 Checked

Y 0 Not checked

P Dif\_food (F3.0) '', df\_ref (F1.0) '', df\_na (F1.0) '', df\_mis (F1.0) ''

L X (Dif\_food=003 or df\_ref=1 or df\_na=1 or df\_mis=1) and df\_weigh=0

L X (any(Dif\_food,001,002) and df\_ref=0 and df\_na=0 and df\_mis=0) and any(df\_weigh,0,1)

Q df\_ill 1 286 I1

T Because of... illness or mental condition

V q14a3

Y 1 Checked

Y 0 Not checked

P Dif\_food (F3.0) '', df\_ref (F1.0) '', df\_na (F1.0) '', df\_mis (F1.0) ''

L X (Dif\_food=003 or df\_ref=1 or df\_na=1 or df\_mis=1) and df\_ill=0

L X (any(Dif\_food,001,002) and df\_ref=0 and df\_na=0 and df\_mis=0) and any(df\_ill,0,1)

Q df\_work 1 287 I1

T Because of... work or school schedule

V q14a4

Y 1 Checked

Y 0 Not checked

P Dif\_food (F3.0) '', df\_ref (F1.0) '', df\_na (F1.0) '', df\_mis (F1.0) ''

L X (Dif\_food=003 or df\_ref=1 or df\_na=1 or df\_mis=1) and df\_work=0

L X (any(Dif\_food,001,002) and df\_ref=0 and df\_na=0 and df\_mis=0) and any(df\_work,0,1)

Q df\_soc 1 288 I1

T Because of... entertainment or social occasion

V q14a5

Y 1 Checked

Y 0 Not checked

P Dif\_food (F3.0) '', df\_ref (F1.0) '', df\_na (F1.0) '', df\_mis (F1.0) ''

L X (Dif\_food=003 or df\_ref=1 or df\_na=1 or df\_mis=1) and df\_soc=0

L X (any(Dif\_food,001,002) and df\_ref=0 and df\_na=0 and df\_mis=0) and any(df\_soc,0,1)

Q df\_study 1 289 I1

T Because of... because of the food collection study

V q14a6

Y 1 Checked

Y 0 Not checked

P Dif\_food (F3.0) '', df\_ref (F1.0) '', df\_na (F1.0) '', df\_mis (F1.0) ''

L X (Dif\_food=003 or df\_ref=1 or df\_na=1 or df\_mis=1) and df\_study=0

L X (any(Dif\_food,001,002) and df\_ref=0 and df\_na=0 and df\_mis=0) and any(df\_study,0,1)

Q df\_ease 1 290 I1

T Because of... ease/quickness of preparation

V q14a7

Y 1 Checked

Y 0 Not checked

P Dif\_food (F3.0) '', df\_ref (F1.0) '', df\_na (F1.0) '', df\_mis (F1.0) ''

L X (Dif\_food=003 or df\_ref=1 or df\_na=1 or df\_mis=1) and df\_ease=0

L X (any(Dif\_food,001,002) and df\_ref=0 and df\_na=0 and df\_mis=0) and any(df\_ease,0,1)

Q df\_othr 1 291 I1

T Because of... other

V q14a8

Y 1 Checked

Y 0 Not checked

P Dif\_food (F3.0) '', df\_ref (F1.0) '', df\_na (F1.0) '', df\_mis (F1.0) ''

L X (Dif\_food=003 or df\_ref=1 or df\_na=1 or df\_mis=1) and df\_othr=0

L X (any(Dif\_food,001,002) and df\_ref=0 and df\_na=0 and df\_mis=0) and any(df\_othr,0,1)

Q df\_ref 1 292 I1

T Because of... refused

V q14r

Y 1 Checked

Y 0 Not checked

P Dif\_food (F3.0) ''

L X (any(Dif\_food,002,055,088,099) and df\_ref = 0)

L X (Dif\_food = 001 and any(df\_ref,0,1))

L X (Dif\_food= 055 and ml\_ref = 1)

Q df\_na 1 293 I1

T Because of... non-applicable

V q14n

Y 1 Checked

Y 0 Not checked

P Dif\_food (F3.0) ''

L X (any(Dif\_food,002,055,088,099) and df\_na = 1)  
L X (Dif\_food = 001 and any(df\_na,0,1))  
L X (Dif\_food = 055 and df\_na=0)

Q df\_mis 1 294 I1  
T Because of... missing  
V q14m  
Y 1 Checked  
Y 0 Not checked  
P Dif\_food (F3.0) ''  
L X (any(Dif\_food,002,055,088,099) and df\_mis = 0)  
L X (Dif\_food = 001 and any(df\_mis,0,1))

Q Df\_othcd 1 295 I2  
T Because of... other (code)  
V q14a8o  
Y -5 Refused Value  
Y -8 Default Value  
Y -9 Missing Value  
R (01,20)  
P Dif\_food (F3.0) ''  
L X ((Dif\_food = 002 or df\_othr = 0) and Df\_othcd = -8)  
L X (df\_othr=1 and (range(df\_othcd,01,20) or any(df\_othcd,-5,-9)))