The 2010 version of the Diet History Questionnaire II (DHQ-II) is distributed on the DHQ-II Web site (www.riskfactor.cancer.gov/dhq2) in multiple formats:

- 1) a format compatible with Optical Scanning Solutions (OCS) technology (DHQ2.2010.OCS),
- 2) a format that can be printed and scanned using Cardiff's Teleform software (DHQ2.2010.Teleform),
- 3) a Word document that can be used by data entry technicians (DHQ2.2010.Keypunch)

This codebook is appropriate for the OCS, Teleform, and data entry (keypunch) versions of the DHQ-II. The DHQ-II is based on the original DHQ-1, but has some additional food questions, and a few modifications to existing food questions.

Use this codebook as a guide when configuring your scanner or data entry system to create data files for DHQ2.2010 questionnaires that use a one-character frequency format. If you add or delete questions from the DHQ2.2010, then the column locations of your fields will differ from those specified here. In addition, the field length for the scanning information that appears before the first coded questionnaire response may vary according to the type of scanning equipment and software used. The scanner used by the NCI to read the DHQ-II forms creates a 50-character header. Your scanner may create a header of a different length. If so, modify this codebook to reflect that difference.

Format Definitions

Many fields in the DHQ use the same coding scheme or format. A format defines the number of choices for a question and the meaning of each choice. The formats are set in the Questionnaire Data Dictionary (QDD). You may modify the existing formats using the dictionary editor in Diet*Calc.

Frequency formats are used for questions that ask "How often did you eat/drink...."

<u>Size formats</u> are used to code serving size questions, i.e., "When you ate <food>, how much did you usually eat?" Specific gram amounts are assigned to each food in the foods database. Gram amounts for three portion sizes are provided in the database and are noted here as "small", "medium", "large".

<u>"Filled in" or "Left Blank"</u> or Marked/Unmarked format is used when the respondent is asked to mark an oval if appropriate, that is, leaving it blank is an answer not a skip. For example, some DHQ questions provide a list of choices and instruct the respondent to "mark as many as apply."

<u>Proportion Formats</u> are used to code questions that ask the respondent to specify how often (in fractions) the food was of a specific type. For example, the question "How often were your fruit drinks diet or sugar-free drinks?" has valid responses of "almost never or never", "about ¼ of the time", "about ¼ of the time", and "almost always or always."

Currently, the proportions used for questions that use the Proportion Format are fixed (0, 0.25, 0.50, 0.75, and 1 times the frequency). Future versions of Diet*Calc will allow you to set the proportions.

<u>Duration Format</u> is used in supplement questions to indicate length of time, for example, "For how many years have you taken multi-vitamins?"

Frequency Format #1 (Beverages other than coffee/tea)	Frequency Format #2 (Used for most foods)	Frequency Format #3 (used for fats added at table)
	,	, ,
a = Never	a = Never	a = Never
b = 1 time per month or less	b = 1-6 times per year (or per winter, summer, season)	b = 1-6 times per year
c = 2-3 times per month	c = 7-11 times per year (or per winter, summer, season)	c = 7-11 times per year
d = 1-2 times per week	d = 1 time per month	d = 1 time per month
e = 3-4 times per week	e = 2-3 times per month	e = 2-3 times per month
f = 5-6 times per week	f = 1 time per week	f = 1-2 times per week
g = 1 time per day	g = 2 times per week	g = 3-4 times per week
h= 2-3 times per day	h = 3-4 times per week	h = 5-6 times per week
i = 4-5 times per day	i = 5-6 times per week	i = 1 time per day
j = 6 or more times per day	j = 1 time per day	j = 2 times per day
. = Missing	k = 2 or more times per day	k = 3 times per day or more
* = Error	. = Missing	. = Missing
	* = Error	* = Error

Frequency Format #4: (Coffee, iced & hot tea, additives)	Frequency Format #5: (Supplements)	Frequency Format #6: (Summary Questions: vegetables, fruits)
a = Never	a = Never	a = Less than 1 per week
b = Less than 1 cup per month	b = Less than 1 day per month	b = 1-2 per week
c = 1-3 cups per month	c = 1-3 days per month	c = 3-4 per week
d = 1 cup per week	d = 1-3 days per week	d = 5-6 per week
e = 2-4 cups per week	e = 4-6 days per week	e = 1 per day
f = 5-6 cups per week	f = Every day	f = 2 per day
g = 1 cup per day	. = Missing	g = 3 per day
h = 2-3 cups per day	* = Error	h = 4 per day
i = 4-5 cups per day		i = 5 or more per day
j = 6 or more cups per day		. = Missing
. = Missing		* = Error
* = Error		

Frequency Format #7: (Supplements w/o "Never")
a = Less than 1 day per month
b = 1-3 days per month
c = 1-3 days per week
d = 4-6 days per week
e = Every day
. = Missing
* = Error

Size Format #1: (a to c from top to bottom, M, E)

- a = Small
- b = Medium
- c = Large
- . = Missing
- * = Error

Size Format #2: (used only in special cases—fats added to foods; see pages 14, 16, 18-21)

- a = Did not usually add or never added
- b = Small (less than 1 teaspoon or tablespoon)
- c = Medium (1 to 3 teaspoons or tablespoons)
- d = Large (more than 3 teaspoons or tablespoons)
- . = Missing
- * = Error

Marked/Unmarked Format:

- 0 = Unmarked (left blank)
- 1 = Marked (filled in)

Proportion Format

- a = Almost never or never
- b = About 1/4 of the time
- $c = About \frac{1}{2}$ of the time
- $d = About \frac{3}{4}$ of the time
- e = Almost always or always
- . = Missing
- * = Error

Duration Format

- a = Less than 1 year
- b = 1-4 years
- c = 5-9 years
- d = 10 or more years
- . = Missing
- * = Error

When adding questions to the DHQ, follow these guidelines to code the responses:

1. **Formatted Questions** instruct the respondent to select one oval from a list of choices. Use one character to code the response. This could be a digit, 0 to n-1, where n = the number of possible choices. However, if more than 10 choices are given then letters must be used. For a question with four choices use a,b,c,d or A,B,C,D as the codes (you may opt to use lower or upper case as the codes but within a file the codes must be one case). To change the characters used to code formatted questions, change the **Start Code** in **General Formats** (**Settings** menu of the dictionary editor).

For formatted questions, data dictionaries and codebooks provided by the NCI use "." to code a missing response, and "*" for error (multiple marks when only one mark is appropriate). **General Formats** in the dictionary editor in Diet*Calc allows you to select other characters for these.

Dates and Respondent ID are not coded as formatted questions. "Other Questions" are not analyzed by Diet*Calc and can be coded as formatted or with any other coding scheme. The coding of these variables is described in more detail below.

- Dates: Year is coded as printed on the questionnaire. For example, the year field in Today's Date has 4 choices. DHQ1.2007 used 4 character codes, "2007", "2008", etc. rather than "0", "1", and "2". The entire field should be filled with the missing or error character if applicable. For example, if M and E are used for missing and error then "MMMM" and "EEEE" should be used as appropriate. Months are coded with a 2 character code: 01, 02, 03,...,12, MM, EE (if M and E are the missing and error codes).
- **Respondent ID:** If a multi-oval question has a partial response, code the ovals as they were answered. For example, if the first 5 digits in the social security number are properly marked (e.g.,12345) but the last 4 are left blank, you should code the digits in the first 5 places and the missing character in the last 4 (the field would be coded as "12345....", if '.' is the missing code).
- "Other Questions" are questions not analyzed. You may use any coding scheme to code these questions. For Diet*Calc to check an "Other Question" field when looking for skipped pages, the missing character must be either 1) zero, 2) blank, or 3) the missing character used for formatted questions.
- 2. Questions using the Marked/Unmarked format use "0" when the oval is blank and "1" when the oval is filled in. The characters used for this format can be set in the **Settings** menu of the Diet*Calc Dictionary Editor. (Missing and error codes are not applicable for these questions.)

Missing and Error Codes

A **missing character** indicates that the respondent skipped the question. An **error character** indicates that the respondent marked two or more responses to a question where only one answer was appropriate. The following guidelines must be used for coding fields as missing or error.

- 1. Letters or symbols (such as '*', '#', or '!') must be used as the missing and error characters. If letters are used to code formatted responses then symbols must be used. Missing and error characters may never be numeric.
- 2. When multiple characters are used to code a single oval, set all characters in the field to the missing character when skipped or to the error character when appropriate.
- 3. If a multi-oval question has a partial response, code the ovals as they were answered. For example, assume social security number was added to the questionnaire as an "Other Question." If the first 5 digits in the social security number are properly marked (e.g.,12345) but the last 4 are left blank, you should code the digits in the first 5 places and the missing character in the last 4 (the field would be coded as "12345....", if '.' is the missing code).

You may not use the same character to represent both the missing and the error characters. In NCI codebooks and data dictionaries, '.' and '*' are the missing and error characters, respectively. You may select other characters in **General Formats** (**Settings** menu of the dictionary editor).

DHQ Question Chart

Questionnaire Location: the page or question number on the questionnaire corresponding to the field.

<u>Column</u>: identifies the location of the field in each record of the questionnaire data file.

Field: describes the piece of information being collected.

<u>Coding Scheme</u>: the valid codes for the field, that is, the characters that the scanner (or data entry program) would write in the questionnaire data file for the field.

Questionnaire Location	Column	Field	Coding	g Scheme
Scanner Header	1-3	Application Number	Specified by Form ID marks	
Scanner Header	4-9	Serial Number	Unique record identifier per batch	
Scanner Header	10-12	Batch Number	Set by Scanner	
Scanner Header	13-18	Date Scanned	MMDDYY	
Scanner Header	19-21	Document #	For multi-document scans	
Scanner Header	22-24	Edit Flags	When using edit p	rofiles
Scanner Header	25-40	Scanning Flags	Indicating various	
Scanner Header	41-50	Litho code ID		
Page 1	51-60	Barcode ID		
Page 1	61-62	Today's Date: Month	01 = JAN 02 = FEB 03 = MAR 04 = APR 05 = MAY 06 = JUN 07 = JUL	08 = AUG 09 = SEP 10 = OCT 11 = NOV 12 = DEC = Missing ** = Error
Page 1	63	Today's Date: Day (1st Digit)	0 - 3 . = Missing * = Error	Biror
Page 1	64	Today's Date: Day (2nd Digit)	0 – 9 . = Missing * = Error	
Page 1	65-68	Today's Date: Year	2010 2011 2012 2013 2014 2015 2016	2017 2018 2019 2020 = Missing **** = Error
Page 1	69-70	Date of Birth: Month	01 = JAN 02 = FEB 03 = MAR 04 = APR 05 = MAY 06 = JUN 07 = JUL	08 = AUG 09 = SEP 10 = OCT 11 = NOV 12 = DEC = Missing ** = Error
Page 1	71-72	Date of Birth: Year (century)	19	•
Page 1	73	Date of Birth: Year (3 rd Digit)	0 - 9 . = Missing * = Error	
Page 1	74	Date of Birth: Year (4 th Digit)	0 - 9 . = Missing * = Error	
Page 1	75	Are you male or female?	a = Male b = Female . = Missing * = Error	
Page 1	76-83	ID	7 = Error 0 – 9 for each of the 8 positions . for any missing digit * if more than one numeral selected	

Questionnaire	Column	Field	Coding Scheme
Location			_
Question 1	84	Frequency: Carrot juice	Frequency Format #1
Question 2	85	Frequency: Tomato juice or veg juice	Frequency Format #1
Question 3	86	Frequency: Orange juice or gf juice	Frequency Format #1
Question 3a	87	How often were orange or gf juice calcium- fortified?	Proportion Format
Question 4	88	Frequency: Other fruit juice	Frequency Format #1
Question 4a	89	How often were other fruit juice calcium- fortified ?	Proportion Format
Question 5	90	Frequency: Fruit Drinks: Hi-C, lemonade	Frequency Format #1
Question 5a	91	How often were fruit-drinks diet ?	Proportion Format
Question 6	92	Frequency: Milk (as a beverage)	Frequency Format #1
Question 6a	93	What kind of milk did you usually drink?	a = Whole milk b = 2% fat milk c = 1% fat milk d = Skim, non-fat, ½% fat milk e = Soy Milk f = Rice Milk g = Other . = Missing * = Error

Questionnaire	Column	Field	Coding Scheme
Location			
Question 7	94	Frequency: Choc Milk (incl hot choc)	Frequency Format #1
Question 7a	95	How often was choc milk reduced-fat or fat-free ?	Proportion Format
Question 8	96	Frequency: Meal replacement	Frequency Format #1
Question 9	97	Did you drink soft drinks (in past 12 mos.)	a = No
			b = Yes
			. = Missing
			* = Error
Question 9a	98	Frequency: Soft drinks - in summer	Frequency Format #1
Question 9b	99	Frequency: Soft drinks - rest of year	Frequency Format #1
Question 9c	100	How often were soft drinks diet or sugar- free	Proportion Format
Question 9d	101	How often were soft drinks caffeine-free	Proportion Format
Question 10	102	Did you drink sports drinks (in past 12 mos.)	a = No
			b = Yes
			. = Missing
			* = Error
Question 10a	103	Frequency: Sports drinks - in summer	Frequency Format #1
Question 10b	104	Frequency: Sports drinks - rest of year	Frequency Format #1

Questionnaire Location	Column	Field	Coding Scheme
Question 11	105	Did you drink energy drinks (in past 12 mos.)	a = No
			b = Yes
			. = Missing
			* = Error
Question 11a	106	Frequency: Energy drinks - in summer	Frequency Format #1
Question 11b	107	Frequency: Energy drinks - rest of year	Frequency Format #1
Question 12	108	Did you drink beer (in past 12 mos.)?	a = No
			b = Yes
			. = Missing
			* = Error
Question 12a	109	Frequency: Beer - in summer	Frequency Format #1
Question 12b	110	Frequency: Beer - rest of year	Frequency Format #1
Question 13	111	Did you drink water (in past 12 mos.)?	a = No
			b = Yes
			. = Missing
			* = Error
Question 13a	112	Frequency: Water - in summer	Frequency Format #1
Question 13b	113	Frequency: Water - rest of year	Frequency Format #1
Question 13c	114	How often was water tap water	Proportion Format
Question 13d	115	How often was water bottled , sweetened	Proportion Format

Questionnaire Location	Column	Field	Coding Scheme
Question 13e	116	How often was water bottled , unsweetened	Proportion Format
Question 14	117	Frequency: Wine, wine coolers	Frequency Format #1
Question 15	118	Frequency: Liquor or mixed drinks	Frequency Format #1
Question 16	119	Did you eat oatmeal (in past 12 mos.)	a = No
			b = Yes
			. = Missing
			* = Error
Question 16a	120	Frequency: Oatmeal - in the winter	Frequency Format #2
Question 16b	121	Frequency: Oatmeal - rest of year	Frequency Format #2
Question 16c	122	How often was butter , margarine added to oatmeal	Proportion Format
Question 17	123	Frequency: Cold cereal	Frequency Format #2
Question 17a	124	How often was it Total , Product 19 , etc.	Proportion Format
Question 17b	125	How often was it All Bran, Fiber One, etc.	Proportion Format

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Questionnaire Location	Column	Field	Coding Scheme
Question 17c	126	How often was it some other bran or fiber cereal?	Proportion Format
Question 17d	127	How often was it any other type of cold cereal ?	Proportion Format
Question 17e	128	Was milk added to your cereal?	a = No b = Yes . = Missing * = Error
Question 17f	129	What kind of milk was usually added to cereal?	a = Whole milk b = 2% fat milk c = 1% fat milk d = Skim, non-fat, ½% fat milk e = Soy Milk f = Rice Milk g = Other . = Missing * = Error
Question 18	130	Frequency: Applesauce	Frequency Format #2
Question 19	131	Frequency: Apples	Frequency Format #2
Question 20	132	Frequency: Pears	Frequency Format #2
Question 21	133	Frequency: Bananas	Frequency Format #2
Question 22	134	Frequency: Dried fruit	Frequency Format #2
Question 23	135	Did you eat peaches, nectarines or plums (in past 12 mos.)?	a = No b = Yes . = Missing * = Error
Question 23a	136	Frequency: Peaches, nectarines, plums in season	Frequency Format #2

Questionnaire Location	Column	Field	Coding Scheme
Question 23b	137	Frequency: Peach, nectarine, plums - rest of year	Frequency Format #2
Question 24	138	Frequency: Grapes	Frequency Format #2
Question 25	139	Did you eat cantaloupe (in past 12 mos.)?	a = No
			b = Yes
			. = Missing
			* = Error
Question 25a	140	Frequency: Cantaloupe - in season	Frequency Format #2
Question 25b	141	Frequency: Cantaloupe - rest of year	Frequency Format #2
Question 26	142	Did you eat melon other than cantaloupe (in past	a = No
		12 mos.)? (watermelon or honeydew)	b = Yes
			. = Missing
			* = Error
Question 26a	143	Frequency: Melon - in season	Frequency Format #2
Question 26b	144	Frequency: Melon - rest of year	Frequency Format #2
Question 27	145	Did you eat strawberries (in past 12 mos.)?	a = No
			b = Yes
			. = Missing
			* = Error
Question 27a	146	Frequency: Strawberries - in season	Frequency Format #2

Questionnaire Location	Column	Field	Coding Scheme
Question 27b	147	Frequency: Strawberries - rest of year	Frequency Format #2
Question 28	148	Did you eat oranges, tangerines, or clementines	a = No
		(in past 12 mos.)?	b = Yes
			. = Missing
			* = Error
Question 28a	149	Frequency: Oranges - in season	Frequency Format #2
Question 28b	150	Frequency: Oranges - rest of year	Frequency Format #2
Question 29	151	Did you eat grapefruit (in past 12 mos.)?	a = No
			b = Yes
			. = Missing
			* = Error
Question 29a	152	Frequency: Grapefruit - in season	Frequency Format #2
Question 29b	153	Frequency: Grapefruit - rest of year	Frequency Format #2
Question 30	154	Frequency: Pineapple	Frequency Format #2
Question 31	155	Frequency: Other Fruit	Frequency Format #2

Questionnaire Location	Column	Field	Coding Scheme
Question 32	156	Frequency: Cooked greens	Frequency Format #2
Question 33	157	Frequency: Raw greens	Frequency Format #2
Question 34	158	Frequency: Coleslaw	Frequency Format #2
Question 35	159	Frequency: Sauerkraut or cabbage	Frequency Format #2
Question 36	160	Frequency: Carrots	Frequency Format #2
Question 37	161	Frequency: String beans or green beans	Frequency Format #2
Question 38	162	Frequency: Peas	Frequency Format #2
Question 39	163	Did you eat corn (in past 12 mos.)?	a = No
			b = Yes
			. = Missing
			* = Error
Question 39a	164	Frequency: Corn - in season	Frequency Format #2
Question 39b	165	Frequency: Corn - rest of year	Frequency Format #2

Questionnaire Location	Column	Field	Coding Scheme
Question 40	166	Frequency: Broccoli	Frequency Format #2
Question 41	167	Frequency: Cauliflower or Brussels sprouts	Frequency Format #2
Question 42	168	Frequency: Asparagus	Frequency Format #2
Question 43	169	Frequency: Winter squash	Frequency Format #2
Question 44	170	Frequency: Mixed vegetables	Frequency Format #2
Question 45	171	Frequency: Onions	Frequency Format #2
Question 46	172	Frequency: Cooked vegetables with fat	Frequency Format #2
Question 46a	173	Cooking Fat: Margarine	Marked / Unmarked Format
Question 46a	174	Cooking Fat: Butter	Marked / Unmarked Format
Question 46a	175	Cooking Fat: Lard	Marked / Unmarked Format
Question 46a	176	Cooking Fat: Olive Oil	Marked / Unmarked Format
Question 46a	177	Cooking Fat: Corn Oil	Marked / Unmarked Format
Question 46a	178	Cooking Fat: Canola Oil	Marked / Unmarked Format
Question 46a	179	Cooking Fat: Pam	Marked / Unmarked Format
Question 46a	180	Cooking Fat: Other oils	Marked / Unmarked Format
Question 46a	181	Cooking Fat: None of the above	Marked / Unmarked Format

Questionnaire Location	Column	Field	Coding Scheme
Question 47	182	Frequency: Table fats	Frequency Format #3
Question 47a	183	Table Fats: Margarine	Marked / Unmarked Format
Question 47a	184	Table Fats: Butter	Marked / Unmarked Format
Question 47a	185	Table Fats: Lard	Marked / Unmarked Format
Question 47a	186	Table Fats: Salad Dressing	Marked / Unmarked Format
Question 47a	187	Table Fats: Cheese Sauce	Marked / Unmarked Format
Question 47a	188	Table Fats: White Sauce	Marked / Unmarked Format
Question 47a	189	Table Fats: Other	Marked / Unmarked Format
Question 48	190	Frequency: Sweet Peppers	Frequency Format #2
Question 49	191	Did you eat fresh tomatoes (including in salads) in	a = No
		the past 12 months?	b = Yes
			. = Missing
			* = Error
Question 49a	192	Frequency: Fresh tomatoes - in season	Frequency Format #2
Question 49b	193	Frequency: Fresh tomatoes - rest of year	Frequency Format #2
Question 50	194	Frequency: Lettuce salads	Frequency Format #2
Question 50a	195	How often did they include dark green lettuce	Proportion Format
Question 51	196	Frequency: Salad dressing (including low-fat)	Frequency Format #2
Question 52	197	Frequency: Sweet potatoes and yams	Frequency Format #2

Questionnaire Location	Column	Field	Coding Scheme
Question 53	198	Frequency: French fries	Frequency Format #2
Question 54	199	Frequency: Potato Salad	Frequency Format #2
Question 55	200	Frequency: Potatoes	Frequency Format #2
Question 55a	201	How often use sour cream w/ potatoes?	Proportion Format
Question 55b	202	How often add margarine to potatoes?	Proportion Format
Question 55c	203	How often add butter to potatoes?	Proportion Format
Question 55d	204	How often use cheese or cheese sauce w/ potatoes?	Proportion Format
Question 56	205	Frequency: Salsa	Frequency Format #2
Question 57	206	Frequency: Catsup	Frequency Format #2
Question 58	207	Frequency: Stuffing, dressing, or dumplings	Frequency Format #2
Question 59	208	Frequency: Chili	Frequency Format #2

Questionnaire Location	Column	Field	Coding Scheme
Question 60	209	Frequency: Mexican Foods	Frequency Format #2
Question 61	210	Frequency: Dried, cooked beans	Frequency Format #2
Question 61a	211	How often were the beans you ate refried beans , beans prepared with any type of fat, or with meat added?	Proportion Format
Question 62	212	Frequency: Other vegetables	Frequency Format #2
Question 63	213	Frequency: Rice or other cooked grains	Frequency Format #2
Question 63a	214	How often was butter , margarine or oil added to your rice in cooking or at the table?	Proportion Format
Question 64	215	Frequency: Pancakes, waffles, or French toast	Frequency Format #2
Question 64a	216	How often was margarine (including low-fat) added to your pancakes, waffles, or French toast after cooking or at the table?	Proportion Format
Question 64b	217	How often was butter added to you pancakes, waffles, or French toast?	Proportion Format
Question 64c	218	How often was syrup added to your pancakes, waffles or French Toast?	Proportion Format
Question 65	219	Frequency: Lasagna, shells, manicotti, ravioli	Frequency Format #2

Questionnaire Location	Column	Field	Coding Scheme
Question 66	220	Frequency: Macaroni and Cheese	Frequency Format #2
Question 67	221	Frequency: Pasta Salad or Macaroni Salad	Frequency Format #2
Question 68	222	Frequency: Pasta, Spaghetti, or other Noodles	Frequency Format #2
Question 68a	223	How often did you eat your pasta, spaghetti, or other noodles with tomato sauce or spaghetti sauce made with meat?	Proportion Format
Question 68b	224	With tomato sauce or spaghetti sauce made without meat?	Proportion Format
Question 68c	225	How often did you eat your pasta, spaghetti, or other noodles with margarine, butter, oil, or cream sauce?	Proportion Format
Question 69	226	Frequency: Bagels or English Muffins	Frequency Format #2
Question 69a	227	How often were the bagels or English muffins whole wheat?	Proportion Format
Question 69b	228	How often did you use margarine on bagels or English muffins?	Proportion Format
Question 69c	229	How often did you use butter on bagels or English muffins?	Proportion Format
Question 69d	230	How often was cream cheese spread on your bagels or English muffins?	Proportion Format

Questionnaire Location	Column	Field	Coding Scheme
Question 70	231	Frequency: Sandwich bread	Frequency Format #2
Question 70a	232	How often was the bread or roll as part of your sandwiches white bread?	Proportion Format
Question 70b	233	How often was Mayonnaise or Mayonnaise-type dressing (including low-fat) added to your sandwich bread or rolls?	Proportion Format
Question 70c	234	How often was margarine (including low-fat) added to your sandwich bread or rolls?	Proportion Format
Question 70d	235	How often was butter (including low-fat) added to your sandwich bread or rolls?	Proportion Format
Question 71	236	Frequency: Bread or rolls not used in sandwiches	Frequency Format #2
Question 71a	237	How often were the bread or rolls white bread?	Proportion Format
Question 71b	238	How often was margarine (including low-fat) added to your bread or rolls?	Proportion Format
Question 71c	239	How often was butter (including low-fat) added to your bread or rolls?	Proportion Format
Question 71d	240	Frequency: Cream cheese on bread or rolls	Proportion Format
Question 72	241	Frequency: Jam, jelly, or honey	Frequency Format #2

Questionnaire Location	Column	Field	Coding Scheme
Question 73	242	Frequency: Peanut Butter	Frequency Format #2
Question 74	243	Frequency: Roast beef or steak in sandwiches	Frequency Format #2
Question 75	244	Frequency: Turkey or chicken cold cuts	Frequency Format #2
Question 76	245	Frequency: Luncheon or deli-style ham	Frequency Format #2
Question 76a	246	How often was the luncheon or deli-style ham light, low-fat, or fat-free?	Proportion Format
Question 77	247	Frequency: Other cold cuts or luncheon meats	Frequency Format #2
Question 77a	248	How often were the cold cuts or luncheon meats light, low-fat, or fat-free?	Proportion Format
Question 78	249	Frequency: Canned tuna	Frequency Format #2
Question 78a	250	How often was it water-packed tuna?	Proportion Format
Question 78b	251	How often was the canned tuna prepared with mayonnaise or other dressing (including low-fat)?	Proportion Format

Questionnaire Location	Column	Field	Coding Scheme
Question 79	252	Frequency: Ground chicken or turkey	Frequency Format #2
Question 80	253	Frequency: Beef hamburgers or cheeseburgers from a restaurant	Frequency Format #2
Question 80a	254	How often did you have cheeseburgers rather than hamburgers?	Proportion Format
Question 81	255	Frequency: Beef hamburgers or cheeseburgers not from a restaurant	Frequency Format #2
Question 81a	256	How often were the beef hamburgers or cheeseburgers made with lean ground beef?	Proportion Format
Question 82	257	Frequency: Ground beef in mixtures	Frequency Format #2
Question 83	258	Frequency: Hot dogs or frankfurters	Frequency Format #2
Question 83a	259	How often were the hot dogs or frankfurters light?	Proportion Format
Question 84	260	Frequency: Beef stew or pot pie with vegetables	Frequency Format #2

Questionnaire Location	Column	Field	Coding Scheme
Question 85	261	Frequency: Roast beef, pot roast (not sandwiches)	Frequency Format #2
Question 86	262	Frequency: Steak	Frequency Format #2
Question 86a	263	How often was the steak lean?	Proportion Format
Question 87	264	Frequency: Pork or spareribs	Frequency Format #2
Question 88	265	Frequency: Roast turkey (including sandwiches)	Frequency Format #2
Question 89	266	Frequency: Chicken in salads, sandwiches, etc.	Frequency Format #2
Question 90	267	Frequency: Baked, broiled or fried chicken	Frequency Format #2
Question 90a	268	How often was the chicken you ate fried (including deep fried) or chicken nuggets?	Proportion Format
Question 90b	269	How often was the chicken white meat?	Proportion Format
Question 90c	270	How often did you eat chicken with skin?	Proportion Format
Question 91	271	Frequency: Baked ham or ham steak	Frequency Format #2

Questionnaire Location	Column	Field	Coding Scheme
Question 92	272	Frequency: Pork	Frequency Format #2
Question 93	273	Frequency: Gravy on meat, chicken, potatoes, etc.	Frequency Format #2
Question 94	274	Frequency: Liver (all kinds) or liverwurst	Frequency Format #2
Question 95	275	Frequency: Bacon	Frequency Format #2
Question 95a	276	How often was bacon light, low-fat, or lean	Proportion Format
Question 96	277	Frequency: Sausage	Frequency Format #2
Question 96a	278	How often was the sausage light, low-fat, or lean	Proportion Format
Question 97	279	Frequency: Fried shellfish	Frequency Format #2
Question 98	280	Frequency: Shellfish - not fried	Frequency Format #2
Question 99	281	Frequency: Salmon, fresh tuna, trout	Frequency Format #2

Questionnaire Location	Column	Field	Coding Scheme
Question 100	282	Frequency: Fish sticks or other fried fish	Frequency Format #2
Question 101	283	Frequency: Other fish or Seafood - not fried	Frequency Format #2
Question 102	284	Frequency: Oil, butter, margarine, or other fat used to fry, sauté, baste, or marinate	Frequency Format #2
Question 102a	285	Fat to cook meat: Margarine (including low-fat)	Marked / Unmarked Format
Question 102a	286	Fat to cook meat: Butter	Marked / Unmarked Format
Question 102a	287	Fat to cook meat: Lard, fatback, or bacon fat	Marked / Unmarked Format
Question 102a	288	Fat to cook meat: Olive Oil	Marked / Unmarked Format
Question 102a	289	Fat to cook meat: Corn Oil	Marked / Unmarked Format
Question 102a	290	Fat to cook meat: Canola Oil	Marked / Unmarked Format
Question 102a	291	Fat to cook meat: Oil spray (Pam)	Marked / Unmarked Format
Question 102a	292	Fat to cook meat: Other kinds of oil	Marked / Unmarked Format
Question 102a	293	Fat to cook meat: None of the above	Marked / Unmarked Format
Question 103	294	Frequency: Tofu, soy burgers, etc	Frequency Format #2
Question 104	295	Did you eat soups (in past 12 mos.)?	a = No
			b = Yes
			. = Missing
			* = Error
Question 104a	296	Frequency: Soups - in winter	Frequency Format #2
Question 104b	297	Frequency: Soups - rest of year	Frequency Format #2
Question 104c	298	How often were the soups you ate bean soups?	Proportion Format
Question 104d	299	How often were they cream soups?	Proportion Format

Questionnaire Location	Column	Field	Coding Scheme
Question 104e	300	How often were they tomato or vegetable soups?	Proportion Format
Question 104f	301	How often were they broth soups?	Proportion Format
Question 105	302	Frequency: Pizza	Frequency Format #2
Question105a	303	How often did you eat pizza with meat toppings?	Proportion Format
Question 106	304	Frequency: Crackers	Frequency Format #2
Question107	305	Frequency: Corn bread or muffins	Frequency Format #2
Question108	306	Frequency: Biscuits	Frequency Format #2
Question 109	307	Frequency: Potato chips	Frequency Format #2
Question 109a	308	How often were the potato chips fat-free?	Proportion Format
Question 110	309	Frequency: Corn chips, tortilla chips	Frequency Format #2

Questionnaire Location	Column	Field	Coding Scheme
Question 110a	310	How often were the chips fat-free?	Proportion Format
Question 111	311	Frequency: Popcorn	Frequency Format #2
Question 112	312	Frequency: Pretzels	Frequency Format #2
Question 113	313	Frequency: Peanuts, walnuts, seeds or other nuts	Frequency Format #2
Question 114	314	Frequency: Breakfast bars, high-energy bars	Frequency Format #2
Question 115	315	Frequency: Yogurt	Frequency Format #2
Question 115a	316	How often was the yogurt low-fat or fat-free?	Proportion Format
Question 116	317	Frequency: Cottage cheese	Frequency Format #2
Question 117	318	Frequency: Cheese	Frequency Format #2
Question 117a	319	How often was the cheese you ate low-fat or fat- free?	Proportion Format

Questionnaire Location	Column	Field	Coding Scheme
Question 118	320	Frequency: Frozen yogurt, sorbet, ices	Frequency Format #2
Question 119	321	Frequency: Ice cream, ice cream bars, or sherbet	Frequency Format #2
Question 119a	322	How often was the ice cream light, low-fat or fat- free ice cream or sherbet?	Proportion Format
Question 120	323	Frequency: Cake	Frequency Format #2
Question 121	324	Frequency: Cookies or brownies	Frequency Format #2
Question 122	325	Frequency: Doughnuts, sweet rolls, Danish	Frequency Format #2
Question 123	326	Frequency: Sweet muffins or dessert breads	Frequency Format #2
Question 124	327	Frequency: Fruit crisp, cobbler, strudel	Frequency Format #2
Question 125	328	Frequency: Pie	Frequency Format #2
Question 125a	329	How often were the pies you ate fruit pies?	Proportion Format

Questionnaire Location	Column	Field	Coding Scheme
Question 125b	330	How often were they creammeringue pies?	Proportion Format
Question 125c	331	How often were they pumpkin or sweet potato pies	Proportion Format
Question 125d	332	How often were the pies you ate pecan pie?	Proportion Format
Question 126	333	Frequency: Chocolate Candy	Frequency Format #2
Question 127	334	Frequency: Other Candy	Frequency Format #2
Question 128	335	Frequency: Eggs, egg whites, or egg substitutes	Frequency Format #2
Question 128a	336	How often were the eggs you ate egg substitutes or eggs whites only?	Proportion Format
Question 128b	337	How often were the eggs whole eggs?	Proportion Format
Question 128c	338	How often were the eggs cooked in oil, butter, or margarine?	Proportion Format
Question 128d	339	How often were the eggs part of egg salad?	Proportion Format
Question 129	340	Frequency: Coffee	Frequency Format #4

Questionnaire Location	Column	Field	Coding Scheme
Question 129a	341	How often was the coffee decaffeinated?	Proportion Format
Question 130	342	Frequency: Iced Tea	Frequency Format #4
Question 130a	343	How often was the iced tea decaffeinated / herbal?	Proportion Format
Question 130b	344	How often was the iced tea presweetened?	Proportion Format
Question 130c	345	What kind of sweetener in presweetened iced tea?	a = Sugar or honey b = Artificial sweeteners . = Missing * = Error
Question 131	346	Frequency: Cups of Hot Tea	Frequency Format #4
Question 131a	347	How often was the hot tea decaffeinated or herbal tea?	Proportion Format
Question 132	348	Did you add sugar, honey, or other sweeteners to tea or coffee?	a = No b = Yes . = Missing * = Error
Question 132a	349	How often was sugar or honey added to coffee or tea?	Proportion Format
Question 132b	350	How often was artificial sweetener added to coffee or tea?	Proportion Format
Question 132c	351	What kind of artificial sweetener in coffee or tea?	a = Equal or aspartame b = Sweet-N-Low or saccharin c = Splenda or sucralose d = Herbal extracts or other kind . = Missing * = Error

Questionnaire Location	Column	Field	Coding Scheme
Question 133	352	Did you add whiteners (cream, milk, etc) to tea or coffee?	a = No b = Yes . = Missing * = Error
Question 133a	353	How often was non-dairy creamer added to coffee or tea?	Proportion Format
Question 133b	354	What kind of non-dairy creamer did you usually use?	a = Regular powdered b = Low-fat or fat-free powdered c = Regular liquid d = Low-fat or fat-free liquid . = Missing * = Error
Question 133c	355	How often was cream or half and half added to coffee or tea?	Proportion Format
Question 133d	356	How often was milk added to coffee or tea?	Proportion Format
Question 133e	357	What kind of milk was usually added to your coffee or tea?	a = Whole milk b = 2% fat milk c = 1% fat milk d = Skim, non-fat, ½% fat milk e = Evaporated or condensed f = Soy Milk g = Rice Milk h = Other . = Missing * = Error
Question 134	358	Frequency: Sugar or honey added to foods	Frequency Format #2
Question 135	359	Did you eat margarine (in past 12 mos.)?	a = No b = Yes . = Missing * = Error
Question 135a	360	How often was the margarine light, low-fat, or fat-free?	Proportion Format
Question 136	361	Did you eat butter (in past 12 mos.)?	a = No b = Yes . = Missing * = Error
Question 136a	362	How often was the butter you ate light or low-fat butter?	Proportion Format

Questionnaire Location	Column	Field	Coding Scheme
Question 137	363	Did you eat mayonnaise or mayonnaise-type	a = No
		dressing (in past 12 mos.)?	b = Yes
			. =Missing
			* = Error
Question 137a	364	How often was the mayonnaise light, low-fat or fat-free?	Proportion Format
Question 138	365	Did you eat sour cream (in past 12 mos.)?	a = No
			b = Yes
			. = Missing
			* = Error
Question 138a	366	How often was the sour cream light, low-fat or fat-free?	Proportion Format
Question 139	367	Did you eat cream cheese (in past 12 mos)?	a = No
			b = Yes
			. = Missing
			* = Error
Question 139a	368	How often was the cream cheese light, low-fat or fat-free?	Proportion Format
Question 140	369	Did you eat salad dressing (in past 12 mos.)?	a = No
			b = Yes
			. = Missing
			* = Error
Question 140a	370	How often was the dressing you ate light, low-fat or fat-free?	Proportion Format
Question 141	371	Frequency: Vegetables per week or per day (not including salads or potatoes)	Frequency Format #6
Question 142	372	Frequency: Fruit per week or per day	Frequency Format #6
Question 143	373	Avocado, guacamole	Marked / Unmarked Format
Question 143	374	Cheesecake	Marked / Unmarked Format
Question 143	375	Chocolate, fudge or butterscotch toppings	Marked / Unmarked Format
Question 143	376	Chow mein noodles	Marked / Unmarked Format
Question 143	377	Croissants	Marked / Unmarked Format
Question 143	378	Dried apricots	Marked / Unmarked Format
Question 143	379	Egg rolls	Marked / Unmarked Format
Question 143	380	Granola bars	Marked / Unmarked Format
Question 143	381	Hot peppers	Marked / Unmarked Format
Question 143	382	Jell-O, gelatin	Marked / Unmarked Format
Question 143	383	Mangoes	Marked / Unmarked Format
Question 143	384	Milkshakes or ice-cream sodas	Marked / Unmarked Format
Question 143	385	Olives	Marked / Unmarked Format
Question 143	386	Oysters	Marked / Unmarked Format
Question 143	387	Pickles or pickled vegetables or fruit	Marked / Unmarked Format
Question 143	388	Plantains	Marked / Unmarked Format
Question 143	389	Pork neck bones, hock, head, feet	Marked / Unmarked Format
Question 143	390	Pudding or custard	Marked / Unmarked Format
Question 143	391	Veal, venison, or lamb	Marked / Unmarked Format
Question 143	392	Whipped cream, regular	Marked / Unmarked Format
Question 143	393	Whipped cream, substitute	Marked / Unmarked Format
Question 143	394	NONE	Marked / Unmarked Format

Questionnaire Location	Column	Field	Coding Scheme
Question 144	395	For all of the past 12 months, have you followed a Vegetarian diet?	a = No b = Yes . = Missing
			* = Error
Question 144a	396	Did you exclude meat?	Marked / Unmarked Format
Question 144a	397	Did you exclude poultry?	Marked / Unmarked Format
Question 144a	398	Did you exclude fish and seafood?	Marked / Unmarked Format
Question 144a	399	Did you exclude eggs?	Marked / Unmarked Format
Question 144a	400	Did you exclude dairy products?	Marked / Unmarked Format
Question 145	401	Did you take multivitamins such as One-a-Day-, Theragran- Centrum- or Prenatal-type multivitamins (in past 12 mos.)?	a = No b = Yes . = Missing * = Error
Question 146	402	How often did you take One-a-Day-, Theragran-, or Centrum- or Prenatal-type multivitamins?	Frequency Format #7
Question 146a	403	Does your multivitamin usually contain minerals such as iron, zinc, etc.?	a = No b = Yes c = Don't know . = Missing * = Error
Question 146b	404	Did you take any vitamins or minerals other than your multivitamin (in past 12 mos.)?	a = No b = Yes . = Missing * = Error
Question 147	405	Frequency: Antacids such as Tums or Rolaids	Frequency Format #5
Question 147a	406	Is antacid usually "extra strength"?	a = No b = Yes c = Don't know . = Missing * = Error

Questionnaire Location	Column	Field	Coding Scheme
Ouestion 148	407	Frequency: Calcium	Frequency Format #5
Question 148a	408	Does Calcium usually contain Vitamin D?	a = No
Question 1 tou		2005 Curvium dodding Comain Crimina 200	b = Yes
			c = Don't know
			. = Missing
			*=Error
Question 148b	409	Does your Calcium usually contain Magnesium?	a = No
Que 511011 1 100	.07	2000 your curvium assumy commin magnesium	b = Yes
			c = Don't know
			. = Missing
			*=Error
Question 148c	410	Does your Calcium usually contain Zinc?	a = No
C			b = Yes
			c = Don't know
			. = Missing
			* =Error
Question 149	411	Frequency: Iron	Frequency Format #5
Question 150	412	Frequency: Vitamin C	Frequency Format #5
Question 151	413	Frequency: Vitamin E	Frequency Format #5
Question 152	414	B-6	Marked / Unmarked Format
Question 152	415	B-complex	Marked / Unmarked Format
Ouestion 152	416	B-12	Marked / Unmarked Format
Question 152	417	Beta-carotene	Marked / Unmarked Format
Question 152	418	Folic acid / folate	Marked / Unmarked Format
Question 152	419	Magnesium	Marked / Unmarked Format
Question 152	420	Occu-vite / Eye health	Marked / Unmarked Format
Question 152	421	Potassium	Marked / Unmarked Format
Question 152	422	Selenium	Marked / Unmarked Format
Question 152	423	Vitamin A	Marked / Unmarked Format
Question 152	424	Vitanin A Vitamin D	Marked / Unmarked Format
Question 152	424	Zinc	Marked / Unmarked Format
Question 153	425	Chondroitin	Marked / Unmarked Format
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Question 153	427	Coenzyme Q-10	Marked / Unmarked Format
Question 153	428	Echinacea	Marked / Unmarked Format
Question 153	429	Energy supplements	Marked / Unmarked Format
Question 153	430	Fish oil / Omega-3's	Marked / Unmarked Format
Question 153	431	Flaxseed / oil	Marked / Unmarked Format
Question 153	432	Garlic	Marked / Unmarked Format
Question 153	433	Ginger	Marked / Unmarked Format
Question 153	434	Ginkgo biloba	Marked / Unmarked Format
Question 153	435	Ginseng	Marked / Unmarked Format
Question 153	436	Glucosamine / chondroitin	Marked / Unmarked Format
Question 153	437	Peppermint	Marked / Unmarked Format
Question 153	438	Probiotics	Marked / Unmarked Format
Question 153	439	Saw palmetto	Marked / Unmarked Format
Question 153	440	Soy supplement	Marked / Unmarked Format
Question 153	441	Sports supplements	Marked / Unmarked Format
Question 153	442	St. John's wort	Marked / Unmarked Format
Question 153	443	Other	Marked / Unmarked Format