

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

The 2007 version of the DHQ is distributed on the DHQ Web site (www.riskfactor.cancer.gov/DHQ) in multiple formats:

- 1) a format compatible with Optical Scanning Solutions (OCS) technology (DHQ1.2007.OCS),
- 2) a format that can be printed and scanned using Cardiff's Teleform software (DHQ1.2007.Teleform),
- 3) a Word document that can be used by data entry technicians (DHQ1.2007.Keypunch), and
- 4) a format compatible with NCS Pearson scanning technology (DHQ1.2007.NCS).

This codebook is appropriate for the OCS, Teleform, and data entry (keypunch) versions of the DHQ. It is identical to the NCS Pearson instrument in content¹ but the **coding scheme has changed** (one alphabetic character is now used to code frequencies rather than two numeric characters). There are two minor differences between all 2007 instruments and the original instrument (DHQ1.1998) -- the range for Today's Date was changed and an ID field was added to the instrument itself. The new ID field provides the option of having the ID number read and stored by the scanner.

Use this codebook as a guide when configuring your scanner or data entry system to create data files for DHQ1.2007 questionnaires that use a one-character frequency format. If you add or delete questions from the DHQ1.2007, 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-1 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.

¹2002.Teleform has one minor difference in content – the valid responses for the Today's Date field start with 2003. However, this difference has no real impact on coding since the field is not a formatted field.

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

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...”

Size formats 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”.

“Filled in” or “Left Blank” 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."

Proportion Formats 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 ½ of the time”, “about ¾ 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.

Duration Format is used in supplement questions to indicate length of time, for example, “For how many years have you taken multi-vitamins?”

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

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

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

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 11, 13, 15-18)

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 $\frac{1}{4}$ 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

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Adding Questions to the DHQ

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.)

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

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.

Column: identifies the location of the field in each record of the questionnaire data file.

Field: describes the piece of information being collected.

Coding Scheme: 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.

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 1

Questionnaire Location	Column	Field	Coding 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 profiles	
Scanner Header	25-40	Scanning Flags	Indicating various scanning settings	
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	
Page 1	64	Today's Date: Day (2nd Digit)	0 - 9 . = Missing * = Error	
Page 1	65-68	Today's Date: Year	2007 2008 2009 2010 2011 = 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	0 - 9 for each of the 8 positions . for any missing digit * if more than one numeral selected	

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 2

Questionnaire Location	Column	Field	Coding Scheme
Question 1	84	Frequency: Tomato juice or veg juice	Frequency Format #1
Question 1a	85	Portion Size: Tomato juice or veg juice	Size Format #1
Question 2	86	Frequency: Orange juice or gf juice	Frequency Format #1
Question 2a	87	Portion Size: Orange juice or gf juice	Size Format #1
Question 3	88	Frequency: Other fruit juice	Frequency Format #1
Question 3a	89	Portion Size: Other fruit juice	Size Format #1
Question 4	90	Frequency: Fruit Drinks: Hi-C, lemonade	Frequency Format #1
Question 4a	91	Portion Size: Fruit Drinks: Hi-C, lemonade	Size Format #1
Question 4b	92	How often were fruit-drinks diet ?	Proportion Format
Question 5	93	Frequency: Milk (as a beverage)	Frequency Format #1
Question 5a	94	Portion Size: Milk (as a beverage)	Size Format #1
Question 5b	95	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

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 3

Questionnaire Location	Column	Field	Coding Scheme
Question 6	96	Frequency: Meal replacement	Frequency Format #1
Question 6a	97	Portion Size: Meal replacement	Size Format #1
Question 7	98	Did you drink soft drinks (in past 12 mos.)	a = No b = Yes . = Missing * = Error
Question 7a	99	Frequency: Soft drinks - in summer	Frequency Format #1
Question 7b	100	Frequency: Soft drinks - rest of year	Frequency Format #1
Question 7c	101	Portion Size: Soft drinks	Size Format #1
Question 7d	102	How often were soft drinks diet or sugar-free	Proportion Format
Question 7e	103	How often were soft drinks caffeine-free	Proportion Format
Question 8	104	Did you drink beer (in past 12 mos.)?	a = No b = Yes . = Missing * = Error
Question 8a	105	Frequency: Beer - in summer	Frequency Format #1
Question 8b	106	Frequency: Beer - rest of year	Frequency Format #1
Question 8c	107	Portion Size: Beer	Size Format #1

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 4

Questionnaire Location	Column	Field	Coding Scheme
Question 9	108	Frequency: Wine, wine coolers	Frequency Format #1
Question 9a	109	Portion Size: Wine, wine coolers	Size Format #1
Question 10	110	Frequency: Liquor or mixed drinks	Frequency Format #1
Question 10a	111	Portion Size: Liquor or mixed drinks	Size Format #1
Question 11	112	Did you eat oatmeal (in past 12 mos.)	a = No b = Yes . = Missing * = Error
Question 11a	113	Frequency: Oatmeal - in the winter	Frequency Format #2
Question 11b	114	Frequency: Oatmeal - rest of year	Frequency Format #2
Question 11c	115	Portion size: Oatmeal	Size Format #1
Question 12	116	Frequency: Cold cereal	Frequency Format #2
Question 12a	117	Portion size: Cold cereal	Size Format #1
Question 12b	118	How often was it Total, Product 19, etc.	Proportion Format
Question 12c	119	How often was it All Bran, Fiber One, etc.	Proportion Format

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 5

Questionnaire Location	Column	Field	Coding Scheme
Question 12d	120	How often was it some other bran or fiber cereal?	Proportion Format
Question 12e	121	How often was it some other type of cold cereal?	Proportion Format
Question 12f	122	Was milk added to your cereal?	a = No b = Yes . = Missing * = Error
Question 12g	123	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 12h	124	Portion Size: Milk On Cereal	Size Format #1
Question 13	125	Frequency: Applesauce	Frequency Format #2
Question 13a	126	Portion Size: Applesauce	Size Format #1
Question 14	127	Frequency: Apples	Frequency Format #2
Question 14a	128	Portion Size: Apples	Size Format #1
Question 15	129	Frequency: Pears	Frequency Format #2
Question 15a	130	Portion Size: Pears	Size Format #1
Question 16	131	Frequency: Bananas	Frequency Format #2

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 6

Questionnaire Location	Column	Field	Coding Scheme
Question 16a	132	Portion Size: Bananas	Size Format #1
Question 17	133	Frequency: Dried fruit	Frequency Format #2
Question 17a	134	Portion Size: Dried fruit	Size Format #1
Question 18	135	Did you eat peaches, nectarines or plums (in past 12 mos.)?	a = No b = Yes . = Missing * = Error
Question 18a	136	Frequency: Peaches, nectarines, plums in season	Frequency Format #2
Question 18b	137	Frequency: Peach, nectarine, plums - rest of year	Frequency Format #2
Question 18c	138	Portion Size: Peaches, nectarines, plums	Size Format #1
Question 19	139	Frequency: Grapes	Frequency Format #2
Question 19a	140	Portion Size: Grapes	Size Format #1
Question 20	141	Did you eat cantaloupe (in past 12 mos.)?	a = No b = Yes . = Missing * = Error
Question 20a	142	Frequency: Cantaloupe - in season	Frequency Format #2
Question 20b	143	Frequency: Cantaloupe - rest of year	Frequency Format #2

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 7

Questionnaire Location	Column	Field	Coding Scheme
Question 20c	144	Portion size: Cantaloupe	Size Format #1
Question 21	145	Did you eat melon other than cantaloupe (in past 12 mos.)? (watermelon or honeydew)	a = No b = Yes . = Missing * = Error
Question 21a	146	Frequency: Melon - in season	Frequency Format #2
Question 21b	147	Frequency: Melon - rest of year	Frequency Format #2
Question 21c	148	Portion Size: Melon	Size Format #1
Question 22	149	Did you eat strawberries (in past 12 mos.)?	a = No b = Yes . = Missing * = Error
Question 22a	150	Frequency: Strawberries - in season	Frequency Format #2
Question 22b	151	Frequency: Strawberries - rest of year	Frequency Format #2
Question 22c	152	Portion: Strawberries	Size Format #1
Question 23	153	Did you eat oranges, tangerines, or tangelos (in past 12 mos.)?	a = No b = Yes . = Missing * = Error
Question 23a	154	Frequency: Oranges - in season	Frequency Format #2

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 8

Questionnaire Location	Column	Field	Coding Scheme
Question 23b	155	Frequency: Oranges - rest of year	Frequency Format #2
Question 23c	156	Portion Size: Oranges	Size Format #1
Question 24	157	Did you eat grapefruit (in past 12 mos.)?	a = No b = Yes . = Missing * = Error
Question 24a	158	Frequency: Grapefruit - in season	Frequency Format #2
Question 24b	159	Frequency: Grapefruit - rest of year	Frequency Format #2
Question 24c	160	Portion Size: Grapefruit	Size Format #1
Question 25	161	Frequency: Other Fruit	Frequency Format #2
Question 25a	162	Portion Size: Other Fruit	Size Format #1
Question 26	163	Frequency: Cooked greens	Frequency Format #2
Question 26a	164	Portion Size: Cooked greens	Size Format #1
Question 27	165	Frequency: Raw greens	Frequency Format #2
Question 27a	166	Portion Size: Raw greens	Size Format #1

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 9

Questionnaire Location	Column	Field	Coding Scheme
Question 28	167	Frequency: Coleslaw	Frequency Format #2
Question 28a	168	Portion Size: Coleslaw	Size Format #1
Question 29	169	Frequency: Sauerkraut or cabbage	Frequency Format #2
Question 29a	170	Portion Size: Sauerkraut or cabbage	Size Format #1
Question 30	171	Frequency: Carrots	Frequency Format #2
Question 30a	172	Portion Size: Carrots	Size Format #1
Question 31	173	Frequency: String beans or green beans	Frequency Format #2
Question 31a	174	Portion Size: String beans or green beans	Size Format #1
Question 32	175	Frequency: Peas	Frequency Format #2
Question 32a	176	Portion Size: Peas	Size Format #1
Question 33	177	Did you eat corn (in past 12 mos.)?	a = No b = Yes . = Missing * = Error
Question 33a	178	Frequency: Corn - in season	Frequency Format #2

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 10

Questionnaire Location	Column	Field	Coding Scheme
Question 33b	179	Frequency: Corn - rest of year	Frequency Format #2
Question 33c	180	Portion Size: Corn	Size Format #1
Question 34	181	Frequency: Broccoli	Frequency Format #2
Question 34a	182	Portion Size: Broccoli	Size Format #1
Question 35	183	Frequency: Cauliflower or Brussels sprouts	Frequency Format #2
Question 35a	184	Portion Size: Cauliflower or Brussels sprouts	Size Format #1
Question 36	185	Frequency: Mixed vegetables	Frequency Format #2
Question 36a	186	Portion Size: Mixed vegetables	Size Format #1
Question 37	187	Frequency: Onions	Frequency Format #2
Question 37a	188	Portion Size: Onions	Size Format #1
Question 38	189	Frequency: cooked vegetables with fat	Frequency Format #2

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 11

Questionnaire Location	Column	Field	Coding Scheme
Question 38a	190	Cooking Fat: Margarine	Marked / Unmarked Format
Question 38a	191	Cooking Fat: Butter	Marked / Unmarked Format
Question 38a	192	Cooking Fat: Lard	Marked / Unmarked Format
Question 38a	193	Cooking Fat: Olive Oil	Marked / Unmarked Format
Question 38a	194	Cooking Fat: Corn Oil	Marked / Unmarked Format
Question 38a	195	Cooking Fat: Canola Oil	Marked / Unmarked Format
Question 38a	196	Cooking Fat: Pam	Marked / Unmarked Format
Question 38a	197	Cooking Fat: Other oils	Marked / Unmarked Format
Question 38a	198	Cooking Fat: None of the above	Marked / Unmarked Format
Question 39	199	Frequency: Table fats	Frequency Format #3
Question 39a	200	Table Fats: Margarine	Marked / Unmarked Format
Question 39a	201	Table Fats: Butter	Marked / Unmarked Format
Question 39a	202	Table Fats: Lard	Marked / Unmarked Format
Question 39a	203	Table Fats: Salad Dressing	Marked / Unmarked Format
Question 39a	204	Table Fats: Cheese Sauce	Marked / Unmarked Format
Question 39a	205	Table Fats: White Sauce	Marked / Unmarked Format
Question 39a	206	Table Fats: Other	Marked / Unmarked Format
Question 39b	207	Portion Size: Table fats (margarine, butter, lard, fatback, or bacon fat)	Size Format #2
Question 39c	208	Portion Size: Table fats (salad dressing, cheese sauce, white sauce)	Size Format #2
Question 40	209	Frequency: Sweet Peppers	Frequency Format #2
Question 40a	210	Portion Size: Sweet Peppers	Size Format #1
Question 41	211	Did you eat fresh tomatoes (including in salads) in the past 12 months?	a = No b = Yes . = Missing * = Error
Question 41a	212	Frequency: Fresh tomatoes - in season	Frequency Format #2
Question 41b	213	Frequency: Fresh tomatoes - rest of year	Frequency Format #2
Question 41c	214	Portion Size: Fresh tomatoes	Size Format #1

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 12

Questionnaire Location	Column	Field	Coding Scheme
Question 42	215	Frequency: Lettuce salads	Frequency Format #2
Question 42a	216	Portion Size: Lettuce salads	Size Format #1
Question 43	217	Frequency: Salad dressing (including low-fat)	Frequency Format #2
Question 43a	218	Portion Size: Salad dressing	Size Format #1
Question 44	219	Frequency: Sweet potatoes and yams	Frequency Format #2
Question 44a	220	Portion Size: Sweet potatoes and yams	Size Format #1
Question 45	221	Frequency: French fries	Frequency Format #2
Question 45a	222	Portion Size: French fries	Size Format #1
Question 46	223	Frequency: Potato Salad	Frequency Format #2
Question 46a	224	Portion Size: Potato Salad	Size Format #1
Question 47	225	Frequency: Potatoes	Frequency Format #2
Question 47a	226	Portion Size: Potatoes	Size Format #1

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 13

Questionnaire Location	Column	Field	Coding Scheme
Question 47b	227	How often use sour cream w/ potatoes?	Proportion Format
Question 47c	228	Portion Size: Sour cream w/ potatoes	Size Format #1
Question 47d	229	How often add margarine to potatoes?	Proportion Format
Question 47e	230	How often add butter to potatoes?	Proportion Format
Question 47f	231	Portion Size: Margarine or butter w/ potatoes	Size Format #2
Question 47g	232	How often use cheese or cheese sauce w/ potatoes?	Proportion Format
Question 47h	233	Portion Size: Cheese or cheese sauce w/ potatoes	Size Format #1
Question 48	234	Frequency: Salsa	Frequency Format #2
Question 48a	235	Portion Size: Salsa	Size Format #1
Question 49	236	Frequency: Catsup	Frequency Format #2
Question 49a	237	Portion Size: Catsup	Size Format #1
Question 50	238	Frequency: Stuffing, dressing , or dumplings	Frequency Format #2
Question 50a	239	Portion Size: Stuffing, dressing , or dumplings	Size Format #1

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 14

Questionnaire Location	Column	Field	Coding Scheme
Question 51	240	Frequency: Chili	Frequency Format #2
Question 51a	241	Portion Size: Chili	Size Format #1
Question 52	242	Frequency: Mexican Foods	Frequency Format #2
Question 52a	243	Portion Size: Mexican Foods	Size Format #1
Question 53	244	Frequency: Dried, cooked beans	Frequency Format #2
Question 53a	245	Portion Size: Dried, cooked beans	Size Format #1
Question 53b	246	How often were the beans you ate refried beans, beans prepared with any type of fat, or with meat added?	Proportion Format
Question 54	247	Frequency: Other vegetables	Frequency Format #2
Question 54a	248	Portion Size: Other vegetables	Size Format #1
Question 55	249	Frequency: Rice or other cooked grains	Frequency Format #2
Question 55a	250	Portion Size: Rice or other cooked grains	Size Format #1
Question 55b	251	How often was butter, margarine or oil added to your rice in cooking or at the table?	Proportion Format

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 15

Questionnaire Location	Column	Field	Coding Scheme
Question 56	252	Frequency: Pancakes, waffles, or French toast	Frequency Format #2
Question 56a	253	Portion Size: Pancakes, waffles, or French toast	Size Format #1
Question 56b	254	How often was margarine (including low-fat) added to your pancakes, waffles, or French toast after cooking or at the table?	Proportion Format
Question 56c	255	How often was butter added to you pancakes, waffles, or French toast?	Proportion Format
Question 56d	256	Portion Size: Butter or margarine added to pancakes, waffles or French toast?	Size Format #2
Question 56e	257	How often was syrup added to your pancakes, waffles or French Toast?	Proportion Format
Question 56f	258	Portion Size: Syrup	Size Format #1
Question 57	259	Frequency: Lasagna, shells, manicotti, ravioli	Frequency Format #2
Question 57a	260	Portion Size: Lasagna, shells, manicotti, ravioli	Size Format #1
Question 58	261	Frequency: Macaroni and Cheese	Frequency Format #2
Question 58a	262	Portion Size: Macaroni and Cheese	Size Format #1
Question 59	263	Frequency: Pasta Salad or Macaroni Salad	Frequency Format #2

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 16

Questionnaire Location	Column	Field	Coding Scheme
Question 59a	264	Portion Size: Pasta Salad or Macaroni Salad	Size Format #1
Question 60	265	Frequency: Pasta, Spaghetti, or other Noodles	Frequency Format #2
Question 60a	266	Portion Size: Pasta, Spaghetti, or other Noodles	Size Format #1
Question 60b	267	How often did you eat your pasta, spaghetti, or other noodles with tomato sauce or spaghetti sauce made with meat?	Proportion Format
Question 60c	268	With tomato sauce or spaghetti sauce made without meat?	Proportion Format
Question 60d	269	How often did you eat your pasta, spaghetti, or other noodles with margarine, butter, oil, or cream sauce?	Proportion Format
Question 61	270	Frequency: Bagels or English Muffins	Frequency Format #2
Question 61a	271	Portion Size: Bagels or English Muffins	Size Format #1
Question 61b	272	How often did you use margarine on bagels or English muffins?	Proportion Format
Question 61c	273	How often did you use butter on bagels or English muffins?	Proportion Format
Question 61d	274	Portion Size: Butter or margarine added to bagels or English muffins	Size Format #2
Question 61e	275	How often was cream cheese spread on your bagels or English muffins?	Proportion Format

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 17

Questionnaire Location	Column	Field	Coding Scheme
Question 61f	276	Portion Size: Cream cheese for bagels/English muffins	Size Format #1
Question 62	277	Frequency: Sandwich bread	Frequency Format #2
Question 62a	278	Portion Size: Sandwich bread	Size Format #1
Question 62b	279	How often was the bread or roll as part of your sandwiches white bread?	Proportion Format
Question 62c	280	How often was Mayonnaise or Mayonnaise-type dressing (including low-fat) added to your sandwich bread or rolls?	Proportion Format
Question 62d	281	Portion Size: Mayonnaise or Mayonnaise type dressing	Size Format #1
Question 62e	282	How often was margarine (including low-fat) added to your sandwich bread or rolls?	Proportion Format
Question 62f	283	How often was butter added to your sandwich bread or rolls?	Proportion Format
Question 62g	284	Portion Size: Butter or margarine added to sandwich bread	Size Format #2
Question 63	285	Frequency: Bread or rolls not used in sandwiches	Frequency Format #2
Question 63a	286	Portion Size: Bread or rolls not in sandwiches	Size Format #1

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 18

Questionnaire Location	Column	Field	Coding Scheme
Question 63b	287	How often were the bread or rolls white bread?	Proportion Format
Question 63c	288	How often was margarine (including low-fat) added to your bread or rolls?	Proportion Format
Question 63d	289	How often was butter added to your bread or rolls?	Proportion Format
Question 63e	290	Portion Size: Margarine or butter on bread	Size Format #2
Question 63f	291	Frequency: Cream cheese on bread or rolls	Proportion Format
Question 63g	292	Portion Size: Cream cheese on bread or rolls	Size Format #1
Question 64	293	Frequency: Jam, jelly, or honey	Frequency Format #2
Question 64a	294	Portion Size: Jam, jelly, or honey	Size Format #1
Question 65	295	Frequency: Peanut Butter	Frequency Format #2
Question 65a	296	Portion Size: Peanut Butter	Size Format #1
Question 66	297	Frequency: Roast beef or steak in sandwiches	Frequency Format #2
Question 66a	298	Portion Size: Roast beef or steak in sandwiches	Size Format #1

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 19

Questionnaire Location	Column	Field	Coding Scheme
Question 67	299	Frequency: Turkey or chicken cold cuts	Frequency Format #2
Question 67a	300	Portion Size: Turkey or chicken cold cuts	Size Format #1
Question 68	301	Frequency: luncheon or deli-style ham	Frequency Format #2
Question 68a	302	Portion Size: luncheon or deli-style ham	Size Format #1
Question 68b	303	How often was the luncheon or deli-style ham light, low-fat, or fat-free?	Proportion Format
Question 69	304	Frequency: Other cold cuts or luncheon meats	Frequency Format #2
Question 69a	305	Portion Size: Other cold cuts or luncheon meats	Size Format #1
Question 69b	306	How often were the cold cuts or luncheon meats light, low-fat, or fat-free?	Proportion Format
Question 70	307	Frequency: Canned tuna	Frequency Format #2
Question 70a	308	Portion Size: Canned tuna	Size Format #1
Question 70b	309	How often was it water-packed tuna?	Proportion Format

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 20

Questionnaire Location	Column	Field	Coding Scheme
Question 70c	310	How often was the canned tuna prepared with mayonnaise or other dressing (including low-fat)?	Proportion Format
Question 71	311	Frequency: Ground chicken or turkey	Frequency Format #2
Question 71a	312	Portion Size: Ground chicken or turkey	Size Format #1
Question 72	313	Frequency: Beef hamburgers or cheeseburgers	Frequency Format #2
Question 72a	314	Portion Size: Beef hamburgers or cheeseburgers	Size Format #1
Question 72b	315	How often were the beef hamburgers or cheeseburgers made with lean ground beef?	Proportion Format
Question 73	316	Frequency: Ground beef in mixtures	Frequency Format #2
Question 73a	317	Portion Size: Ground beef in mixtures	Size Format #1
Question 74	318	Frequency: Hot dogs or frankfurters	Frequency Format #2
Question 74a	319	Portion Size: Hot dogs or frankfurters	Size Format #1
Question 74b	320	How often were the hot dogs or frankfurters light?	Proportion Format

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 21

Questionnaire Location	Column	Field	Coding Scheme
Question 75	321	Frequency: Beef stew or pot pie with vegetables	Frequency Format #2
Question 75a	322	Portion Size: Beef stew or pot pie with vegetables	Size Format #1
Question 76	323	Frequency: Roast beef, pot roast (not sandwiches)	Frequency Format #2
Question 76a	324	Portion Size: Roast beef (not sandwiches)	Size Format #1
Question 77	325	Frequency: Steak	Frequency Format #2
Question 77a	326	Portion Size: Steak	Size Format #1
Question 77b	327	How often was the steak lean?	Proportion Format
Question 78	328	Frequency: Pork or spareribs	Frequency Format #2
Question 78a	329	Portion Size: Pork or spareribs	Size Format #1
Question 79	330	Frequency: Roast turkey (including sandwiches)	Frequency Format #2
Question 79a	331	Portion Size: Roast turkey	Size Format #1
Question 80	332	Frequency: Chicken in salads, sandwiches, etc.	Frequency Format #2

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 22

Questionnaire Location	Column	Field	Coding Scheme
Question 80a	333	Portion Size: Chicken in salads, sandwiches, etc.	Size Format #1
Question 81	334	Frequency: Baked, broiled or fried chicken	Frequency Format #2
Question 81a	335	Portion Size: Baked, broiled or fried chicken	Size Format #1
Question 81b	336	How often was the chicken you ate fried (including deep fried) or chicken nuggets?	Proportion Format
Question 81c	337	How often was the chicken white meat?	Proportion Format
Question 81d	338	How often did you eat chicken with skin?	Proportion Format
Question 82	339	Frequency: Baked ham or ham steak	Frequency Format #2
Question 82a	340	Portion Size: Baked ham or ham steak	Size Format #1
Question 83	341	Frequency: Pork	Frequency Format #2
Question 83a	342	Portion Size: Pork	Size Format #1
Question 84	343	Frequency: Gravy on meat, chicken, potatoes, etc.	Frequency Format #2
Question 84a	344	Portion Size: Gravy	Size Format #1

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 23

Questionnaire Location	Column	Field	Coding Scheme
Question 85	345	Frequency: Liver (all kinds) or liverwurst	Frequency Format #2
Question 85a	346	Portion Size: Liver or liverwurst	Size Format #1
Question 86	347	Frequency: Bacon	Frequency Format #2
Question 86a	348	Portion Size: Bacon	Size Format #1
Question 86b	349	How often was bacon light, low-fat, or lean	Proportion Format
Question 87	350	Frequency: Sausage	Frequency Format #2
Question 87a	351	Portion Size: Sausage	Size Format #1
Question 87b	352	How often was the sausage light, low-fat, or lean	Proportion Format
Question 88	353	Frequency: Fish sticks or fried fish	Frequency Format #2
Question 88a	354	Portion Size: Fish sticks or fried fish	Size Format #1
Question 89	355	Frequency: Fish or Seafood - not fried	Frequency Format #2
Question 89a	356	Portion Size: Fish or Seafood - not fried	Size Format #1

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 24

Questionnaire Location	Column	Field	Coding Scheme
Question 90	357	Frequency: Oil, butter, margarine, or other fat used to fry, sauté, baste, or marinate	Frequency Format #2
Question 90a	358	Fat to cook meat: Margarine (including low-fat)	Marked / Unmarked Format
Question 90a	359	Fat to cook meat: Butter	Marked / Unmarked Format
Question 90a	360	Fat to cook meat: Lard, fatback, or bacon fat	Marked / Unmarked Format
Question 90a	361	Fat to cook meat: Olive Oil	Marked / Unmarked Format
Question 90a	362	Fat to cook meat: Corn Oil	Marked / Unmarked Format
Question 90a	363	Fat to cook meat: Canola Oil	Marked / Unmarked Format
Question 90a	364	Fat to cook meat: Oil spray (Pam)	Marked / Unmarked Format
Question 90a	365	Fat to cook meat: Other kinds of oil	Marked / Unmarked Format
Question 90a	366	Fat to cook meat: None of the above	Marked / Unmarked Format
Question 91	367	Frequency: Tofu, soy burgers, etc	Frequency Format #2
Question 91a	368	Portion Size: Tofu, soy burgers, etc	Size Format #1
Question 92	369	Did you eat soups (in past 12 mos.)?	a = No b = Yes . = Missing * = Error
Question 92a	370	Frequency: Soups - in winter	Frequency Format #2
Question 92b	371	Frequency: Soups - rest of year	Frequency Format #2
Question 92c	372	Portion Size: Soup	Size Format #1
Question 92d	373	How often were the soups you ate bean soups?	Proportion Format
Question 92e	374	How often were they cream soups?	Proportion Format

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 25

Questionnaire Location	Column	Field	Coding Scheme
Question 92f	375	How often were they tomato or vegetable soups?	Proportion Format
Question 92g	376	How often were they broth soups ?	Proportion Format
Question 93	377	Frequency: Pizza	Frequency Format #2
Question 93a	378	Portion Size: Pizza	Size Format #1
Question 93b	379	How often did you eat pizza with meat toppings?	Proportion Format
Question 94	380	Frequency: Crackers	Frequency Format #2
Question 94a	381	Portion Size: Crackers	Size Format #1
Question 95	382	Frequency: Corn bread or muffins	Frequency Format #2
Question 95a	383	Portion Size: Corn bread or muffins	Size Format #1
Question 96	384	Frequency: Biscuits	Frequency Format #2
Question 96a	385	Portion Size: Biscuits	Size Format #1
Question 97	386	Frequency: Potato chips, tortilla chips, corn chips	Frequency Format #2

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 26

Questionnaire Location	Column	Field	Coding Scheme
Question 97a	387	Portion size: Potato chips, tortilla chips, corn chips	Size Format #1
Question 97b	388	How often were the chips you ate Wow chips or other chips made with a fat substitute (Olean or Olestra)?	Proportion Format
Question 97c	389	How often were the chips other low-fat or fat-free chips?	Proportion Format
Question 98	390	Frequency: Popcorn	Frequency Format #2
Question 98a	391	Portion Size: Popcorn	Size Format #1
Question 99	392	Frequency: Pretzels	Frequency Format #2
Question 99a	393	Portion Size: Pretzels	Size Format #1
Question 100	394	Frequency: Peanuts, walnuts, seeds or other nuts	Frequency Format #2
Question 100a	395	Portion Size: Peanuts, walnuts, seeds, other nuts	Size Format #1
Question 101	396	Frequency: Breakfast bars, high-energy bars	Frequency Format #2
Question 101a	397	Portion Size: Breakfast bars, high-energy bars	Size Format #1
Question 102	398	Frequency: Yogurt	Frequency Format #2

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 27

Questionnaire Location	Column	Field	Coding Scheme
Question 102a	399	Portion Size: Yogurt	Size Format #1
Question 103	400	Frequency: Cottage cheese	Frequency Format #2
Question 103a	401	Portion Size: Cottage cheese	Size Format #1
Question 104	402	Frequency: Cheese or cheese spreads	Frequency Format #2
Question 104a	403	Portion Size: Cheese or cheese spreads	Size Format #1
Question 104b	404	How often was the cheese you ate light or low-fat cheese?	Proportion Format
Question 104c	405	How often was the cheese you ate fat-free cheese?	Proportion Format
Question 105	406	Frequency: Frozen yogurt, sorbet, ices	Frequency Format #2
Question 105a	407	Portion Size: Frozen yogurt, sorbet, ices	Size Format #1
Question 106	408	Frequency: Ice cream, ice cream bars, or sherbet	Frequency Format #2
Question 106a	409	Portion Size: Ice cream, ice cream bars, sherbet	Size Format #1
Question 106b	410	How often was the ice cream light, low-fat or fat-free ice cream or sherbet?	Proportion Format

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 28

Questionnaire Location	Column	Field	Coding Scheme
Question 107	411	Frequency: Cake	Frequency Format #2
Question 107a	412	Portion Size: Cake	Size Format #1
Question 107b	413	How often was the cake light, low-fat or fat-free?	Proportion Format
Question 108	414	Frequency: Cookies or brownies	Frequency Format #2
Question 108a	415	Portion Size: Cookies or brownies	Size Format #1
Question 108b	416	How often were the cookies low-fat or fat-free?	Proportion Format
Question 109	417	Frequency: Doughnuts, sweet rolls, Danish	Frequency Format #2
Question 109a	418	Portion Size: Doughnuts, sweet rolls, Danish	Size Format #1
Question 110	419	Frequency: Sweet muffins or dessert breads	Frequency Format #2
Question 110a	420	Portion Size: Sweet muffins or dessert breads	Size Format #1
Question 110b	421	How often were the sweet muffins or dessert breads light, low-fat, or fat-free?	Proportion Format
Question 111	422	Frequency: Fruit crisp, cobbler, strudel	Frequency Format #2

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 29

Questionnaire Location	Column	Field	Coding Scheme
Question 111a	423	Portion Size: Fruit crisp, cobbler, strudel	Size Format #1
Question 112	424	Frequency: Pie	Frequency Format #2
Question 112a	425	Portion Size: Pie	Size Format #1
Question 112b	426	How often were the pies you ate fruit pies?	Proportion Format
Question 112c	427	How often were they cream...meringue pies?	Proportion Format
Question 112d	428	How often were they pumpkin or sweet potato pies	Proportion Format
Question 112e	429	How often were the pies you ate pecan pie?	Proportion Format
Question 113	430	Frequency: Chocolate Candy	Frequency Format #2
Question 113a	431	Portion Size: Chocolate Candy	Size Format #1
Question 114	432	Frequency: Other Candy	Frequency Format #2
Question 114a	433	Portion Size: Other Candy	Size Format #1
Question 115	434	Frequency: Eggs, egg whites, or egg substitutes	Frequency Format #2

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 30

Questionnaire Location	Column	Field	Coding Scheme
Question 115a	435	Portion Size: Eggs	Size Format #1
Question 115b	436	How often were the eggs you ate egg substitutes?	Proportion Format
Question 115c	437	How often were the eggs whites only?	Proportion Format
Question 115d	438	How often were the eggs whole eggs?	Proportion Format
Question 115e	439	How often were the eggs cooked in oil, butter, or margarine?	Proportion Format
Question 115f	440	How often were the eggs part of egg salad?	Proportion Format
Question 116	441	Frequency: Coffee	Frequency Format #4
Question 116a	442	How often was the coffee decaffeinated?	Proportion Format
Question 117	443	Frequency: Iced Tea	Frequency Format #4
Question 117a	444	How often was the iced tea decaffeinated / herbal?	Proportion Format
Question 118	445	Frequency: Cups of Hot Tea	Frequency Format #4
Question 118a	446	How often was the hot tea decaffeinated or herbal tea?	Proportion Format

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 31

Questionnaire Location	Column	Field	Coding Scheme
Question 119	447	Frequency: Sugar or honey in coffee or tea	Frequency Format #4
Question 119a	448	Portion Size: Sugar or honey in coffee or tea	Size Format #1
Question 120	449	Frequency: Artificial sweetener in coffee/ tea	Frequency Format #4
Question 120a	450	What kind of artificial sweetener in coffee or tea?	a = Equal or aspartame b = Sweet-N-Low or saccharin . = Missing * = Error
Question 121	451	Frequency: Non-dairy creamer in coffee or tea	Frequency Format #4
Question 121a	452	Portion Size: Non-dairy creamer in coffee/ tea	Size Format #1
Question 121b	453	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 122	454	Frequency: Cream or half and half in coffee or tea	Frequency Format #4
Question 122a	455	Portion Size: Cream or half and half in coffee or tea	Size Format #1
Question 123	456	Frequency: Milk in coffee or tea	Frequency Format #4
Question 123a	457	Portion Size: Milk in coffee or tea	Size Format #1
Question 123b	458	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

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 32

Questionnaire Location	Column	Field	Coding Scheme
Question 124	459	Frequency: Sugar or honey added to foods	Frequency Format #2
Question 124a	460	Portion Size: Sugar or honey added to foods	Size Format #1
Question 125	461	Did you eat margarine (in past 12 mos.)?	a = No b = Yes . = Missing * = Error
Question 125a	462	How often was the margarine regular-fat?	Proportion Format
Question 125b	463	Light or low-fat margarine?	Proportion Format
Question 125c	464	Fat-free margarine?	Proportion Format
Question 126	465	Did you eat butter (in past 12 mos.)?	a = No b = Yes . = Missing * = Error
Question 126a	466	How often was the butter you ate light or low-fat butter?	Proportion Format
Question 127	467	Did you eat mayonnaise or mayonnaise-type dressing (in past 12 mos.)?	a = No b = Yes . =Missing * = Error
Question 127a	468	How often was the mayonnaise regular-fat?	Proportion Format
Question 127b	469	How often was the mayonnaise light or low-fat?	Proportion Format

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 33

Questionnaire Location	Column	Field	Coding Scheme
Question 127c	470	How often was the mayonnaise fat-free?	Proportion Format
Question 128	471	Did you eat sour cream (in past 12 mos.)?	a = No b = Yes . = Missing * = Error
Question 128a	472	How often was the sour cream regular-fat?	Proportion Format
Question 128b	473	How often was the sour cream light, low-fat or fat-free sour cream?	Proportion Format
Question 129	474	Did you eat cream cheese (in past 12 mos.)?	a = No b = Yes . = Missing * = Error
Question 129a	475	How often was the cream cheese regular-fat?	Proportion Format
Question 129b	476	How often was the cream cheese light, low-fat or fat-free cream cheese?	Proportion Format
Question 130	477	Did you eat salad dressing (in past 12 mos.)?	a = No b = Yes . = Missing * = Error
Question 130a	478	How often was the dressing you ate regular-fat?	Proportion Format
Question 130b	479	How often light or low-fat salad dressing?	Proportion Format
Question 130c	480	How often fat-free salad dressing?	Proportion Format
Question 131	481	Frequency: Vegetables per week or per day (not including salads or potatoes)	Frequency Format #6

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 34

Questionnaire Location	Column	Field	Coding Scheme
Question 132	482	Frequency: Fruit per week or per day	Frequency Format #6
Question 133	483	Avocado	Marked / Unmarked Format
Question 133	484	Cheesecake	Marked / Unmarked Format
Question 133	485	Chocolate, fudge or butterscotch toppings	Marked / Unmarked Format
Question 133	486	Chow mein noodles	Marked / Unmarked Format
Question 133	487	Croissants	Marked / Unmarked Format
Question 133	488	Dried apricots	Marked / Unmarked Format
Question 133	489	Egg rolls	Marked / Unmarked Format
Question 133	490	Granola bars	Marked / Unmarked Format
Question 133	491	Hot peppers	Marked / Unmarked Format
Question 133	492	Jello, gelatin	Marked / Unmarked Format
Question 133	493	Milkshakes or ice-cream sodas	Marked / Unmarked Format
Question 133	494	Olives	Marked / Unmarked Format
Question 133	495	Oysters	Marked / Unmarked Format
Question 133	496	Pickles or pickled vegetables or fruit	Marked / Unmarked Format
Question 133	497	Plantains	Marked / Unmarked Format
Question 133	498	Pork neck bones, hock, head, feet	Marked / Unmarked Format
Question 133	499	Pudding or custard	Marked / Unmarked Format
Question 133	500	Veal, venison, or lamb	Marked / Unmarked Format
Question 133	501	Whipped cream, regular	Marked / Unmarked Format
Question 133	502	Whipped cream, substitute	Marked / Unmarked Format
Question 133	503	None	Marked / Unmarked Format
Question 134	504	For all of the past 12 months, have you followed a Vegetarian diet?	a = No b = Yes . = Missing * = Error
Question 134a	505	Did you exclude meat?	Marked / Unmarked Format
Question 134a	506	Did you exclude poultry?	Marked / Unmarked Format
Question 134a	507	Did you exclude fish and seafood?	Marked / Unmarked Format
Question 134a	508	Did you exclude eggs?	Marked / Unmarked Format
Question 134a	509	Did you exclude dairy products?	Marked / Unmarked Format
Question 135	510	No: did not take any fiber supplements	Marked / Unmarked Format
Question 135	511	Yes: Psyllium Products	Marked / Unmarked Format
Question 135	512	Yes: Methylcellulose/Cellulose Products	Marked / Unmarked Format
Question 135	513	Yes: Fibercon	Marked / Unmarked Format
Question 135	514	Yes: Bran	Marked / Unmarked Format
Question 136	515	Did you take multivitamins such as One-a-Day-, Theragran- or Centrum-type multivitamins (in past 12 mos.)?	a = No b = Yes . = Missing * = Error
Question 137	516	How often did you take One-a-Day-, Theragran-, or Centrum-type multivitamins?	Frequency Format #7
Question 137a	517	Does your multivitamin usually contain minerals such as iron, zinc, etc.?	a = No b = Yes c = Don't know . = Missing * = Error
Question 137b	518	How many years have taken multivitamins?	Duration Format

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 35

Questionnaire Location	Column	Field	Coding Scheme
Question 137c	519	Did you take any vitamins or multivitamins other than your multivitamin (in past 12 mos.)?	a = No b = Yes . = Missing * =Error
Question 138	520	Frequency: Beta-Carotene	Frequency Format #5
Question 138a	521	Amount: Beta-Carotene	a = Less than 10,000 IU b = 10,000 - 14,999 IU c = 15,000 - 19,999 IU d = 20,000 - 24,999 IU e = 25,000 IU or more f = Don't know . = Missing * = Error
Question 138b	522	How many years have you taken Beta-carotene?	Duration Format
Question 139	523	Frequency: Vitamin A	Frequency Format #5
Question 139a	524	Amount: Vitamin A	a = Less than 8,000 IU b = 8,000 - 9,999 IU c = 10,000 - 14,999 IU d = 15,000 - 24,999 IU e = 25,000 IU or more f = Don't know . = Missing * = Error
Question 139b	525	How many years have you taken Vitamin A?	Duration Format
Question 140	526	Frequency: Vitamin C	Frequency Format #5
Question 140a	527	Amount: Vitamin C	a = Less than 500 mg b = 500 - 999 mg c = 1000 - 1,499 mg d = 1,500 - 1,999 mg e = 2,000mg or more f = Don't know . = Missing * = Error
Question 140b	528	How many years have you taken Vitamin C?	Duration Format

**Coding Manual for the 2007 NCI Diet History Questionnaire
DHQ1.2007.OSC, DHQ1.2007.Teleform, DHQ1.2007.Keypunch**

Questionnaire Page 36

Questionnaire Location	Column	Field	Coding Scheme	
Question 141	529	Frequency: Vitamin E	Frequency Format #5	
Question 141a	530	Amount: Vitamin E	a = Less than 400 IU b = 400 - 799 IU c = 800 - 999 IU d = 1,000 IU or more	e = Don't know . = Missing * = Error
Question 141b	531	How many years have you taken Vitamin E?	Duration Format	
Question 142	532	Frequency: Calcium	Frequency Format #5	
Question 142a	533	Amount: Calcium	a = Less than 500 mg b = 500 - 599 mg c = 600 - 999 mg d = 1,000 mg or more	e = Don't know . = Missing * = Error
Question 142b	534	How many years have you take Calcium?	Duration Format	
Question 143	535	B-6	Marked / Unmarked Format	
Question 143	536	B-complex	Marked / Unmarked Format	
Question 143	537	Brewer's yeast	Marked / Unmarked Format	
Question 143	538	Cod liver oil	Marked / Unmarked Format	
Question 143	539	Coenzyme Q	Marked / Unmarked Format	
Question 143	540	Fish oil (Omega-3 fatty acids)	Marked / Unmarked Format	
Question 143	541	Folic acid / folate	Marked / Unmarked Format	
Question 143	542	Glucosamine	Marked / Unmarked Format	
Question 143	543	Hydroxytryptophan (HTP)	Marked / Unmarked Format	
Question 143	544	Iron	Marked / Unmarked Format	
Question 143	545	Niacin	Marked / Unmarked Format	
Question 143	546	Selenium	Marked / Unmarked Format	
Question 143	547	Zinc	Marked / Unmarked Format	
Question 144	548	Aloe vera	Marked / Unmarked Format	
Question 144	549	Astragalus	Marked / Unmarked Format	
Question 144	550	Bilberry	Marked / Unmarked Format	
Question 144	551	Cascara sagrada	Marked / Unmarked Format	
Question 144	552	Cat's claw	Marked / Unmarked Format	
Question 144	553	Cayenne	Marked / Unmarked Format	
Question 144	554	Cranberry	Marked / Unmarked Format	
Question 144	555	Dong Kuai (Tangkwei)	Marked / Unmarked Format	
Question 144	556	Echinacea	Marked / Unmarked Format	
Question 144	557	Evening primrose oil	Marked / Unmarked Format	
Question 144	558	Feverfew	Marked / Unmarked Format	
Question 144	559	Garlic	Marked / Unmarked Format	
Question 144	560	Ginger	Marked / Unmarked Format	
Question 144	561	Ginkgo biloba	Marked / Unmarked Format	
Question 144	562	Ginseng (American or Asian)	Marked / Unmarked Format	
Question 144	563	Goldenseal	Marked / Unmarked Format	
Question 144	564	Grapeseed extract	Marked / Unmarked Format	
Question 144	565	Kava, kava	Marked / Unmarked Format	
Question 144	566	Milk thistle	Marked / Unmarked Format	
Question 144	567	Saw palmetto	Marked / Unmarked Format	
Question 144	568	Siberian ginseng	Marked / Unmarked Format	
Question 144	569	St. John's wort	Marked / Unmarked Format	
Question 144	570	Valerian	Marked / Unmarked Format	
Question 144	571	Other	Marked / Unmarked Format	