



SOLNAS Ancillary Study Study of Latinos: Nutrition and Physical Activity Assessment Study (SOLNAS)

**SOLNAS Reliability Study CODEBOOK
Version 2.0
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Study of Latinos Nutrition Assessment Study (SOLNAS) SOLNAS Reliability Study CODEBOOK Ver. 2.0 (Oct 2014)

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SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

Body Image: FORM CODE=BIE VERSION=A

Instructions: See the detailed instructions in the SOLNAS Manual for completion of this form. Show image card to participant.

<i>BIEA0A</i>		<i>0a. Date of form completion:</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
98	Range	01/17/2012 - 09/19/2012

<i>BIEA0B</i>		<i>0b. Staff ID:</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
		This variable has been removed

<i>BIEA1</i>		<i>1. Participant is:</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
37	1	Male
61	2	Female [skip to Q.9]

If male, please show male figures and ask "Which image on the card:"

<i>BIEA2</i>		<i>2. Reflects what you think you look like</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	1	Male Image 1
3	2	Male Image 2
5	3	Male Image 3
9	4	Male Image 4
9	5	Male Image 5
5	6	Male Image 6
3	7	Male Image 7
2	8	Male Image 8
61	.S	Skip Rule Followed

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

<i>BIEA3</i>		<i>3. Reflects how you feel most of the time</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	1	Male Image 1
4	2	Male Image 2
6	3	Male Image 3
5	4	Male Image 4
13	5	Male Image 5
4	6	Male Image 6
1	7	Male Image 7
3	8	Male Image 8
61	.S	Skip Rule Followed

<i>BIEA4</i>		<i>4. Is your ideal figure (for you)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
9	3	Male Image 3
15	4	Male Image 4
10	5	Male Image 5
2	6	Male Image 6
1	7	Male Image 7
61	.S	Skip Rule Followed

<i>BIEA5</i>		<i>5. You think is ideal for men</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
12	3	Male Image 3
16	4	Male Image 4
8	5	Male Image 5
1	6	Male Image 6
61	.S	Skip Rule Followed

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

BIEA6		6. You think is most preferred by men
N	Value	Description
2	2	Male Image 2
12	3	Male Image 3
13	4	Male Image 4
9	5	Male Image 5
1	6	Male Image 6
61	.S	Skip Rule Followed

BIEA7		7. You think is most preferred by women
N	Value	Description
3	2	Male Image 2
11	3	Male Image 3
15	4	Male Image 4
6	5	Male Image 5
2	6	Male Image 6
61	.S	Skip Rule Followed

Now show the female figures and ask "Which image on the card do:"

BIEA8		8. You think is most preferred by men
N	Value	Description
4	2	Female Image 2 [skip to End]
18	3	Female Image 3 [skip to End]
14	4	Female Image 4 [skip to End]
1	5	Female Image 5 [skip to End]
61	.S	Skip Rule Followed

If female, please show female figures and ask "Which image on the card:"

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

<i>BIEA9</i>		<i>9. Reflects what you think you look like</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
4	2	Female Image 2
9	3	Female Image 3
18	4	Female Image 4
16	5	Female Image 5
7	6	Female Image 6
5	7	Female Image 7
2	9	Female Image 9
37	.S	Skip Rule Followed

<i>BIEA10</i>		<i>10. Reflects how you feel most of the time</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2	1	Female Image 1
2	2	Female Image 2
11	3	Female Image 3
12	4	Female Image 4
13	5	Female Image 5
13	6	Female Image 6
5	7	Female Image 7
1	8	Female Image 8
2	9	Female Image 9
37	.S	Skip Rule Followed

<i>BIEA11</i>		<i>11. Is your ideal figure (for you)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
11	2	Female Image 2
23	3	Female Image 3
25	4	Female Image 4
2	5	Female Image 5
37	.S	Skip Rule Followed

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

<i>BIEA12</i>		<i>12. You think is ideal for women</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2	1	Female Image 1
16	2	Female Image 2
28	3	Female Image 3
13	4	Female Image 4
2	5	Female Image 5
37	.S	Skip Rule Followed

<i>BIEA13</i>		<i>13. You think is most preferred by men</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
4	1	Female Image 1
18	2	Female Image 2
23	3	Female Image 3
14	4	Female Image 4
2	5	Female Image 5
37	.S	Skip Rule Followed

<i>BIEA14</i>		<i>14. You think is most preferred by women</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6	1	Female Image 1
24	2	Female Image 2
28	3	Female Image 3
3	4	Female Image 4
37	.S	Skip Rule Followed

Now show the male figures and ask "Which image on the card do:"

<i>BIEA15</i>		<i>15. You think is most preferred by women</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3	1	Male Image 1
7	2	Male Image 2
24	3	Male Image 3
23	4	Male Image 4
4	5	Male Image 5
37	.S	Skip Rule Followed

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

Sedentary Behavior Weekday and Weekend: FORM CODE=SDE VERSION=A

Instructions: See the detailed instructions in the SOLNAS Manual for completion of this form

SDEA0A		0a. Date of form completion:
N	Value	Description
98	Range	01/19/2011 - 09/07/2012

SDEA0B		0b. Staff ID:
N	Value	Description
		This variable has been removed

Section A: On a typical WEEKDAY, how much time do you spend (from when you get up, until you go to bed)

SDEA1		1. Watching television (including videos on VCR/DVD).
N	Value	Description
3	0	None
2	1	15 min or less
5	2	30 min
15	3	1 hr
31	4	2 hrs
19	5	3 hrs
10	6	4 hrs
5	7	5 hrs
8	8	6 hrs or more

SDEA2		2. Playing computer or video games.
N	Value	Description
63	0	None
8	1	15 min or less
5	2	30 min
11	3	1 hr
3	4	2 hrs
4	5	3 hrs
2	6	4 hrs
1	7	5 hrs
1	8	6 hrs or more

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

SDEA3		3. Sitting and listening to music on the radio, tapes, or CDs.
N	Value	Description
34	0	None
6	1	15 min or less
13	2	30 min
26	3	1 hr
11	4	2 hrs
3	5	3 hrs
2	6	4 hrs
3	8	6 hrs or more

SDEA4		4. Sitting and talking on the phone
N	Value	Description
18	0	None
15	1	15 min or less
27	2	30 min
24	3	1 hr
8	4	2 hrs
4	5	3 hrs
2	7	5 hrs

SDEA5		5. Doing paperwork or computer work (office work, emails, paying the Bills, etc.)
N	Value	Description
42	0	None
8	1	15 min or less
13	2	30 min
12	3	1 hr
7	4	2 hrs
3	5	3 hrs
8	6	4 hrs
5	8	6 hrs or more

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

SDEA6		6. Sitting and reading books or magazines.
N	Value	Description
30	0	None
5	1	15 min or less
23	2	30 min
33	3	1 hr
6	4	2 hrs
1	5	3 hrs

SDEA7		7. Playing a musical instrument.
N	Value	Description
92	0	None
1	1	15 min or less
5	2	30 min

SDEA8		8. Doing artwork or crafts.
N	Value	Description
82	0	None
1	1	15 min or less
6	2	30 min
6	3	1 hr
2	4	2 hrs
1	7	5 hrs

SDEA9		9. Riding or driving cars, buses, or trains.
N	Value	Description
17	0	None
5	1	15 min or less
14	2	30 min
29	3	1 hr
21	4	2 hrs
5	5	3 hrs
3	6	4 hrs
4	8	6 hrs or more

Section B: On a typical WEEKEND day, how much time do you spend (from when you get up, until you go to bed)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

SDEA10		10. Watching television (including videos on VCR/DVD).
<i>N</i>	<i>Value</i>	<i>Description</i>
8	0	None
1	1	15 min or less
5	2	30 min
13	3	1 hr
20	4	2 hrs
17	5	3 hrs
14	6	4 hrs
8	7	5 hrs
12	8	6 hrs or more

SDEA11		11. Playing computer or video games.
<i>N</i>	<i>Value</i>	<i>Description</i>
66	0	None
3	1	15 min or less
3	2	30 min
11	3	1 hr
6	4	2 hrs
5	5	3 hrs
1	7	5 hrs
3	8	6 hrs or more

SDEA12		12. Sitting and listening to music on the radio, tapes, or CDs.
<i>N</i>	<i>Value</i>	<i>Description</i>
38	0	None
3	1	15 min or less
12	2	30 min
18	3	1 hr
13	4	2 hrs
6	5	3 hrs
3	6	4 hrs
2	7	5 hrs
3	8	6 hrs or more

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

SDEA13		13. Sitting and talking on the phone
<i>N</i>	<i>Value</i>	<i>Description</i>
23	0	None
9	1	15 min or less
25	2	30 min
24	3	1 hr
10	4	2 hrs
3	5	3 hrs
3	6	4 hrs
1	8	6 hrs or more

SDEA14		14. Doing paperwork or computer work (office work, emails, paying the bills, etc.)
<i>N</i>	<i>Value</i>	<i>Description</i>
58	0	None
5	1	15 min or less
10	2	30 min
14	3	1 hr
1	4	2 hrs
4	5	3 hrs
4	6	4 hrs
2	8	6 hrs or more

SDEA15		15. Sitting and reading books or magazines.
<i>N</i>	<i>Value</i>	<i>Description</i>
47	0	None
1	1	15 min or less
15	2	30 min
25	3	1 hr
8	4	2 hrs
2	5	3 hrs

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

SDEA16		16. Playing a musical instrument.
<i>N</i>	<i>Value</i>	<i>Description</i>
89	0	None
2	1	15 min or less
2	2	30 min
3	3	1 hr
2	4	2 hrs

SDEA17		17. Doing artwork or crafts.
<i>N</i>	<i>Value</i>	<i>Description</i>
85	0	None
3	1	15 min or less
7	2	30 min
1	3	1 hr
2	4	2 hrs

SDEA18		18. Riding or driving cars, buses, or trains.
<i>N</i>	<i>Value</i>	<i>Description</i>
21	0	None
7	1	15 min or less
4	2	30 min
30	3	1 hr
21	4	2 hrs
7	5	3 hrs
5	6	4 hrs
1	7	5 hrs
2	8	6 hrs or more

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

Urine Collection Worksheet for Staff: FORM CODE=SUC VERSION=A

Instructions: See the detailed instructions in the SOLNAS Manual for completion of this form

SUCA0A		0a. Completion date:
N	Value	Description
97	Range	02/11/2011 - 09/20/2012

SUCA0B		0b. Staff ID:
N	Value	Description
		This variable has been removed

1. Bottle #1

SUCA1A		A = Bottle #1 without urine (grams)
N	Value	Description
97	Range	120 - 261 (median=123 mean=125.4 std=14.3)

SUCA1B		B = Bottle #1 with urine (grams)
N	Value	Description
96	Range	120 - 4435 (median=1877 mean=1706.8 std=736.8)
1		Missing

SUCA1C		C = B - A = Urine from Bottle #1 (grams)
N	Value	Description
96	Range	0 - 4174 (median=1754.5 mean=1581.43 std=731.69)
1		Missing

2. Bottle #2

SUCA2A		D = Bottle #2 without urine (grams)
N	Value	Description
97	Range	107 - 132 (median=123 mean=123.1 std=4.4)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A**Section A: Visit 1 or 3 Forms**

<i>SUCA2B</i>		<i>E = Bottle #2 with urine (grams)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
96	Range	107 - 3107 (median=131 mean=833.8 std=865.5)
1		Missing

<i>SUCA2C</i>		<i>F= E - D= Urine from Bottle #2 (grams)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
96	Range	0 - 2986 (median=0 mean=710.7 std=865.0)
1		Missing

3. Total Weight of 24-Hour Urine Collection

<i>SUCA3</i>		<i>G= C + F= Urine from Bottle #1 plus Urine from Bottle #2 (grams)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
96	Range	299 - 6212 (median=1911.5 mean=2292.14 std=1210.57)
1		Missing

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

Telephone Screening: FORM CODE=TSE VERSION=A

Instructions: Use SOLNAS telephone script and MOP instructions for completion of this form. Use appropriate ancillary study recruitment or scheduling script when completing this form.

TSEA0A		0a. Completion date:
N	Value	Description
121	Range	07/22/2011 - 08/23/2012

TSEA0B		0b. Staff ID:
N	Value	Description
		This variable has been removed

TSEA0C		Check Form:
N	Value	Description
5	1	Visit 1
116	3	Visit 3 [skip to Q.3]

A. Basic Eligibility information

TSEA1		1. Does the participant prefer Spanish or English?
N	Value	Description
2	1	Spanish
3	2	English
116	.S	Skip Rule Followed

TSEA2		2. Has second 24 Hour Dietary Recall Interview from SOL study been completed?
N	Value	Description
5	1	Yes
116	.S	Skip Rule Followed

B. Screening Questionnaire

TSEA3		3. Gender:
N	Value	Description
50	1	Male [skip to Q.6]
71	2	Female

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

Females Only

TSEA4		4. Are you pregnant or planning to become pregnant in the next six months?
N	Value	Description
71	0	No
50	.S	Skip Rule Followed

TSEA5		5. Are you breastfeeding or planning to breastfeed in the next six months?
N	Value	Description
71	0	No
50	.S	Skip Rule Followed

Males and Females

TSEA6		6. Do you take insulin or any other medication for diabetes?
N	Value	Description
119	0	No
2	1	Yes [skip to Q.19]

TSEA7		7. Do you take any medications that are required to be taken with food?
N	Value	Description
119	0	No
2	.S	Skip Rule Followed

TSEA8		8. Do you routinely receive supplemental oxygen?
N	Value	Description
119	0	No
2	.S	Skip Rule Followed

TSEA9		9. Do you have problems with bladder control that may make it difficult for you to collect urine?
N	Value	Description
118	0	No [skip to Q.10]
1	1	Yes
2	.S	Skip Rule Followed

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

TSEA9A		9a. Do you need or wear special undergarments for bladder control?
N	Value	Description
1	0	No
120	.S	Skip Rule Followed

TSEA9B		9b. Do you take any medications to control bladder function? (e.g. Detrol TM)
N	Value	Description
1	0	No
120	.S	Skip Rule Followed

TSEA10		10. Have you tried to lose or gain weight during the past four weeks, by decreasing your food intake and/or increasing physical activity?
N	Value	Description
105	0	No [skip to Q.11]
14	1	Yes
2	.S	Skip Rule Followed

TSEA10A		10a. Have you lost or gained more than 15 pounds during the past four weeks?
N	Value	Description
14	0	No
107	.S	Skip Rule Followed

TSEA11		11. Have you gained or lost weight without trying during the past four weeks?
N	Value	Description
114	0	No [skip to Q.12]
5	1	Yes
2	.S	Skip Rule Followed

TSEA11A		11a. Have you lost or gained more than 15 pounds during the past four weeks?
N	Value	Description
5	0	No
116	.S	Skip Rule Followed

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

TSEA12		12. Are you starting new medications that affect weight such as thyroid, weight loss or chemotherapy medications or diuretics that are used irregularly?
N	Value	Description
117	0	No
2	1	Yes [skip to Q.19]
2	.S	Skip Rule Followed

TSEA13		13. Are you interested in participating in this study?
N	Value	Description
1	0	No [skip to Q.19]
116	1	Yes
4	.S	Skip Rule Followed

TSEA13A		13a. Your first visit is on (Appointment Date):
N	Value	Description
114	Range	01/17/2012 - 09/06/2012
5	.S	Skip Rule Followed
2		Missing

TSEA13A1		at Appointment Time:
N	Value	Description
114	Range	7:00 - 11:00
5	.S	Skip Rule Followed
2		Missing

TSEA13A2		(A=AM, P=PM):
N	Value	Description
114	A	AM
5	~	Skip Rule Followed
2		Missing

TSEA13B		13b. Can you schedule an appointment between (read the 11 to 13 day window) for the corresponding visit (Visit 2 or Visit 4)?
N	Value	Description
2	0	No
114	1	Yes
5	.S	Skip Rule Followed

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

TSEA13C		13c. Your second visit is on (Appointment Date):
N	Value	Description
114	Range	01/28/2012 - 09/22/2012
5	.S	Skip Rule Followed
2		Missing

TSEA13C1		at Appointment Time:
N	Value	Description
114	Range	7:00 - 11:00
5	.S	Skip Rule Followed
2		Missing

TSEA13C2		(A=AM, P=PM):
N	Value	Description
114	A	AM
5	~	Skip Rule Followed
2		Missing

TSEA13D		13d. Can you collect all urine for a 24-hour period one day before your next SOLNAS visit (Visit 2 or 4)?
N	Value	Description
5	0	No
111	1	Yes
5	.S	Skip Rule Followed

TSEA14		14. Are you expecting to receive blood transfusions or intravenous fluids during the two weeks before or after your corresponding SOLNAS visit (Visit 1 or Visit 3)? This includes IV fluids you might receive if you are scheduled for a colonoscopy?
N	Value	Description
116	0	No
5	.S	Skip Rule Followed

TSEA15		15. Will you be traveling 200 miles (or more) from home during the two weeks before or after your corresponding SOLNAS visit (Visit 1 or Visit 3)?
N	Value	Description
116	0	No [skip to Q.16]
5	.S	Skip Rule Followed

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

TSEA15A		a. Would you be willing to reschedule your travel plans to participate in this study?
N	Value	Description
121	.S	Skip Rule Followed

C. Congratulations, you are eligible to participate in the Hispanic Community Health Study/Study of Latinos (SOL) Nutrition and Physical Activity Assessment Study.)

D. Demographic Information

AGE		Age from HCHS Main Study
N	Value	Description
		This variable has been removed

GENDER		Gender
N	Value	Description
71	F	Female
50	M	Male

BKGRD1_C7		7-level re-classification of Hispanic/Latino background from HCHS Main study
N	Value	Description
14	0	Dominican
13	1	Central American
19	2	Cuban
34	3	Mexican
28	4	Puerto Rican
13	5	South American

RACE		Self identification of racial group in HCHS Main study
N	Value	Description
4	1	American Indian or Alaskan Native
2	3	Native Hawaiian or Other Pacific Islander
6	4	Black or African-American
44	5	White
21	6	More than one race
44	9	Refuse

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

<i>EDUCATION_C2</i>		<i>Education (2-level)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
38	1	Less Than High School
83	2	At least High School or Equivalent

<i>EDUCATION_C3</i>		<i>Education (3-level)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
38	1	Less Than High School
31	2	High School or Equivalent
52	3	Greater than High School or Equivalent

<i>INCOME_C5</i>		<i>Income (5-level grouped yearly household income)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
19	1	Less than \$10,000
38	2	\$10,001-\$20,000
40	3	\$20,001-\$40,000
13	4	\$40,001-\$75,000
2	5	More than \$75,000
9		Missing

<i>MARITAL_STATUS</i>		<i>Marital Status (3-level grouped marital status)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
34	1	Single
56	2	Married or living with a partner
31	3	Separated, divorced, or widow(er)

<i>EMPLOYED</i>		<i>Employed (4-level grouped employment status)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
8	1	Retired and not currently employed.
60	2	Not retired and not currently employed
20	3	Employed part-time (<=35 hours/week)
32	4	Employed full-time (>35 hours/week)
1		Missing

E. Final Disposition

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A**Section A: Visit 1 or 3 Forms**

<i>TSEA19</i>		<i>19. Individual Participation Status:</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5	1	Refuses to participate
4	3	Ineligible
112	4	Agrees to participate

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

VISIT 3 ELIGIBILITY: FORM CODE=VEE VERSION=A

Instructions: Enter the answer given by the participant for each response. The special value, "Q", is allowed for cases where the response 'Don't know/refused' is not listed as an option.

VEEA0A		0a. Date of form completion:
N	Value	Description
98	Range	01/17/2012 - 09/07/2012

VEEA0B		0b. Staff ID:
N	Value	Description
		This variable has been removed

VEEA1		1. Check Form:
N	Value	Description
1	1	Visit 1
97	3	Visit 3

VEEA2		2. Participant is:
N	Value	Description
38	1	Male [skip to Q.5]
60	2	Female

VEEA3		3. Are you pregnant or planning to become pregnant in the next six months?
N	Value	Description
60	0	No
38	.S	Skip Rule Followed

VEEA4		4. Are you breastfeeding or planning to breastfeed in the next six months?
N	Value	Description
60	0	No
38	.S	Skip Rule Followed

VEEA5		5. Have you taken insulin or any other medication for diabetes since we last talked by phone?
N	Value	Description
98	0	No

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

VEEA6		6. Have you received supplemental oxygen during the past two weeks?
N	Value	Description
98	0	No [skip to Q.7]

VEEA6A		6.a. Are you willing to reschedule?
N	Value	Description
98	.S	Skip Rule Followed

VEEA7		7. Have you received blood transfusions or intravenous fluids during the past two weeks?
N	Value	Description
98	0	No [skip to Q.8]

VEEA7A		7.a. Are you willing to reschedule?
N	Value	Description
98	.S	Skip Rule Followed

VEEA8		8. Have you taken any medications that affect weight such as thyroid, weight loss or chemotherapy medications or diuretics in the past two weeks?
N	Value	Description
98	0	No [skip to Q.9]

VEEA8A		8.a.Are you willing to reschedule?
N	Value	Description
98	.S	Skip Rule Followed

VEEA9		9. Have you traveled more than 200 miles (one-way) away from home during the past two weeks?
N	Value	Description
98	0	No [skip to Q.10]

VEEA9A		9.a. Location of travel:
N	Value	Description
98	Present	Variable/Text Values Suppressed

VEEA9B		9.b. Are you willing to reschedule?
N	Value	Description
98	.S	Skip Rule Followed

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

VEEA10		10. Have you had anything to eat or drink besides water or non-caloric, decaffeinated beverages during the past four hours?
N	Value	Description
97	0	No [skip to Q.11]
1	1	Yes

VEEA10A		10.a. Are you willing to wait to start the SOLNAS procedures until it has been 4 hours since you have eaten?
N	Value	Description
1	1	Yes [skip to Q.10b]
97	.S	Skip Rule Followed

VEEA10A1		10.a.1. Are you willing to reschedule your SOLNAS appointment?
N	Value	Description
98	.S	Skip Rule Followed

10.b. When did you last eat or drink anything except water or non-caloric, decaffeinated beverages?

VEEA10B1		10.b.1 Note time when participant last ate or drank:
N	Value	Description
1	Range	7:15 - 7:15
97	.S	Skip Rule Followed

VEEA10B1I		(A=AM, P=PM):
N	Value	Description
1	A	AM
97	~	Skip Rule Followed

VEEA10B2		10.b.2 Note time when the 4-hour SOLNAS fast will be complete:
N	Value	Description
1	Range	11:15 - 11:15
97	.S	Skip Rule Followed

VEEA10B2I		(A=AM, P=PM):
N	Value	Description
1	A	AM
97	~	Skip Rule Followed

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

VEEA11		11. Visit Eligibility Summary
N	Value	Description
98	2	Eligible [skip to End]

VEEA11A		11.a. Appointment Date:
N	Value	Description
98	.S	Skip Rule Followed

VEEA11B		11.b. Appointment Time:
N	Value	Description
98	.S	Skip Rule Followed

VEEA11B1		(A=AM, P=PM):
N	Value	Description
98	~	Skip Rule Followed

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

The Visit 3 Form: FORM CODE=VSE VERSION=A

Instructions: Questions to ask prospective SOLNAS participants when they arrive for SOLNAS Visit 1 or Visit 3. See the detailed instructions in the SOLNAS Manual for completion of this form

VSEA0A		0a. Date of form completion:
N	Value	Description
98	Range	01/17/2012 - 09/07/2012

VSEA0B		0b. Staff ID:
N	Value	Description
		This variable has been removed

VSEA1		1. Check Form:
N	Value	Description
98	3	Visit 3

VSEA2		2. SOLNAS Consent Signed:
N	Value	Description
98	1	Yes

3. HEIGHT AND WEIGHT:

VSEA3A		3.a Height (cm):
N	Value	Description
98	Range	142 - 185 (median=162.1 mean=163.48 std=9.64)

VSEA3B		3.b Weight(kg):
N	Value	Description
98	Range	44 - 156.1 (median=74.9 mean=78.22 std=18.51)

VSEA3C		3.c Calculate DLW dosage: Weight in kg X 1.4 (g of DLW)=
N	Value	Description
98	Range	61.6 - 218.54 (median=104.86 mean=109.509 std=25.919)

VSEA4		4. Visit Lab ID:
N	Value	Description
98	Present	Variable/Text Values Suppressed

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

VSEA5		5. Is participant in QC Sample?
N	Value	Description
98	0	No [skip to Q.6]

VSEA5A		Enter QC Lab ID#:
N	Value	Description
98	Present	Variable/Text Values Suppressed

6. TIME 0 (Fasting)

VSEA6A		6a. URINE COLLECTION Time:
N	Value	Description
98	Range	7:05 - 11:53

VSEA6A1		(A=AM, P=PM):
N	Value	Description
98	A	AM

7. DOUBLY LABELED WATER DOSING:

VSEA7A		7.a DLW Dose Weight(g):
N	Value	Description
98	Range	61.63 - 222.15 (median=108.235 mean=111.5544 std=25.8910)

VSEA7B		7.b DLW Lot Number:
N	Value	Description
98	Present	Variable/Text Values Suppressed

VSEA7C		7.c Time of DLW Dose:
N	Value	Description
98	Range	7:11 - 11:54

VSEA7C1		(A=AM, P=PM):
N	Value	Description
98	A	AM

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

VSEA7D		7.d DLW Spillage:
N	Value	Description
98	0	No

VSEA8		8. TIME 1 - One Hour After DLW: Was Meal Replacement Beverage (MRB) consumed?
N	Value	Description
98	1	Yes

VSEA8A		Amount(mL):
N	Value	Description
98	Range	116 - 237 (median=237 mean=235.8 std=12.2)

VSEA8B		Time:
N	Value	Description
98	Range	8:11 - 12:54

VSEA8C		(A=AM, P=PM):
N	Value	Description
96	A	AM
2	P	PM

9. TIME 2 - Two Hours After DLW:

VSEA9		Bladder voided
N	Value	Description
98	1	Yes

VSEA9A		Time:
N	Value	Description
98	Range	1:21 - 12:43

VSEA9B		(A=AM, P=PM):
N	Value	Description
89	A	AM
9	P	PM

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

10. TIME 3 - Three Hours After DLW:

VSEA10A		10a. Time Collected:
N	Value	Description
97	Range	1:00 - 12:57
1		Missing

VSEA10A1		(A=AM, P=PM):
N	Value	Description
48	A	AM
49	P	PM
1		Missing

11. TIME 3 BLOOD DRAW

VSEA11A		11.a Participant Age:
N	Value	Description
79	0	Less than 60 [skip to Q.12]
17	1	60 or older
2		Missing

VSEA11B		11.b 10 mL Lavender dry EDTA vacutainer
N	Value	Description
17	1	Yes
79	.S	Skip Rule Followed
2		Missing

VSEA11C		11.c One 1.75 mL (in one 2 mL cryovial)
N	Value	Description
17	1	Yes
79	.S	Skip Rule Followed
2		Missing

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A**Section A: Visit 1 or 3 Forms**

VSEA11D		11.d Label "SOLNAS corresponding Visit" Number 40
N	Value	Description
17	1	Yes
79	.S	Skip Rule Followed
2		Missing

VSEA11E		11.e Time of Draw:
N	Value	Description
17	Range	1:10 - 12:59
79	.S	Skip Rule Followed
2		Missing

VSEA11E1		(A=AM, P=PM):
N	Value	Description
9	A	AM
8	P	PM
79	~	Skip Rule Followed
2		Missing

12. OTHER BEVERAGES CONSUMED

VSEA12A		12.a Beverage 1 Amount(mL):
N	Value	Description
96	Range	0 - 250 (median=157.5 mean=146.48 std=89.04)
2		Missing

VSEA12A1		Time:
N	Value	Description
75	Range	1:56 - 12:48
23		Missing

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A**Section A: Visit 1 or 3 Forms**

VSEA12A2		(A=AM, P=PM):
N	Value	Description
6	0	
59	A	AM
16	P	PM
17		Missing

VSEA12B		12.b Beverage 2 Amount(mL):
N	Value	Description
75	Range	0 - 240 (median=71 mean=73.9 std=81.8)
23		Missing

VSEA12B1		Time:
N	Value	Description
42	Range	1:00 - 12:59
56		Missing

VSEA12B2		(A=AM, P=PM):
N	Value	Description
10	0	
10	A	AM
32	P	PM
46		Missing

VSEA12C		12.c Beverage 3 Amount(mL):
N	Value	Description
64	Range	0 - 161 (median=0 mean=42.4 std=63.1)
34		Missing

VSEA12C1		Time:
N	Value	Description
21	Range	1:03 - 12:57
77		Missing

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

VSEA12C2		(A=AM, P=PM):
N	Value	Description
16	0	
1	A	AM
20	P	PM
61		Missing

VSEA12D		12.d Beverage 4 Amount(mL):
N	Value	Description
49	Range	0 - 136 (median=0 mean=8.1 std=27.1)
49		Missing

VSEA12D1		Time:
N	Value	Description
5	Range	1:09 - 12:48
93		Missing

VSEA12D2		(A=AM, P=PM):
N	Value	Description
17	0	
1	A	AM
4	P	PM
76		Missing

13. TIME 4 - Four Hours After DLW

VSEA13A		13.a Time Collected:
N	Value	Description
98	Range	1:00 - 12:55

VSEA13A1		(A=AM, P=PM):
N	Value	Description
5	A	AM
93	P	PM

14. PABA (B-Vitamin) tablets for 24-hour urine collection

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

VSEA14		Is participant hypersensitive to PABA-containing sunscreens or allergic to PABA?
N	Value	Description
98	0	No

VSEA14A		14.a Are the three PABA (B-Vitamin) tablets removed from the 24-hour urine collection kit?
N	Value	Description
97	0	No
1	1	Yes

15. SPECIMEN INVENTORY CHECKLIST

VSEA15A		15.a Tube # 30- Time 0 Urine Collected?
N	Value	Description
98	1	Yes

VSEA15B		15.b Tube #33- Time 3 Urine Collected?
N	Value	Description
1	0	No
97	1	Yes

VSEA15C		15.c Tube #34- Time 4 Urine Collected?
N	Value	Description
98	1	Yes

VSEA15D		15.d Tube #40- Plasma 60 y.o. Collected?
N	Value	Description
81	0	No
17	1	Yes

16. QUALITY CONTROL INVENTORY CHECKLIST: (Only if participant answered "yes" to question 5)

VSEA16A		16.a Tube #30- Time 0 Urine Collected?
N	Value	Description
98	.S	Skip Rule Followed

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section A

Section A: Visit 1 or 3 Forms

VSEA16B		16.b Tube #33- Time 3 Urine Collected?
<i>N</i>	<i>Value</i>	<i>Description</i>
98	.S	Skip Rule Followed

VSEA16C		16.c Tube #34- Time 4 Urine Collected?
<i>N</i>	<i>Value</i>	<i>Description</i>
98	.S	Skip Rule Followed

VSEA16D		If specimen collection is incomplete, please explain:
<i>N</i>	<i>Value</i>	<i>Description</i>
98	Present	Variable/Text Values Suppressed

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section B

Section B: Visit 2 or 4 Forms

Calorimetry Summary: FORM CODE=CSE VERSION=A

Instructions: See the detailed QxQ instructions for completion of this form.

CSEA0A		0a. Date of form completion:
N	Value	Description
95	Range	01/28/2012 - 09/20/2012

CSEA0B		0b. Staff ID:
N	Value	Description
		This variable has been removed

CSEA1		1. Start Time:
N	Value	Description
95	Range	1:30 - 12:49

CSEA1A		(A= AM, P= PM)
N	Value	Description
90	A	AM
5	P	PM

CSEA2		2. Weight (kg):
N	Value	Description
95	Range	44.6 - 127.5 (median=74.7 mean=78.21 std=17.49)

CSEA3		3. Age:
N	Value	Description
95	Range	19 - 74 (median=48 mean=47.4 std=12.6)

CALORIMETRY SUMMARY:

4.a. VCO2 ml/min

CSEA4A1		Mean
N	Value	Description
95	Range	115 - 322 (median=166 mean=174.7 std=38.2)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section B

Section B: Visit 2 or 4 Forms

CSEA4A2		SD
N	Value	Description
95	Range	5 - 62 (median=16 mean=18.1 std=10.1)

CSEA4A3		CV
N	Value	Description
95	Range	3 - 25 (median=9.2 mean=10.34 std=5.07)

4.b. VO2 ml/min

CSEA4B1		Mean
N	Value	Description
95	Range	141 - 428 (median=210 mean=224.0 std=56.6)

CSEA4B2		SD
N	Value	Description
95	Range	6 - 48 (median=15 mean=18.2 std=10.1)

CSEA4B3		CV
N	Value	Description
95	Range	2.4 - 20.2 (median=7 mean=8.1 std=4.1)

4.c. RQ

CSEA4C1		Mean
N	Value	Description
95	Range	0.66 - 0.96 (median=0.8 mean=0.79 std=0.07)

CSEA4C2		SD
N	Value	Description
95	Range	0.01 - 0.12 (median=0.03 mean=0.035 std=0.018)

CSEA4C3		CV
N	Value	Description
95	Range	1.2 - 15.4 (median=4 mean=4.5 std=2.3)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section B

Section B: Visit 2 or 4 Forms

4.d. EE kcal/d

CSEA4D1		Mean
N	Value	Description
95	Range	989 - 2916 (median=1463 mean=1538.1 std=373.3)

CSEA4D2		SD
N	Value	Description
95	Range	13 - 332 (median=105 mean=128.0 std=72.9)

CSEA4D3		CV
N	Value	Description
95	Range	2.5 - 20.6 (median=7 mean=8.4 std=4.2)

CSEA5		5. Actual Duration of RMR Measurement Post Run-In (mins):
N	Value	Description
95	Range	20 - 30 (median=20 mean=22.4 std=4.2)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section B

Section B: Visit 2 or 4 Forms

Record Sheet for 24-hour Urine Collection: FORM CODE=UCE VERSION=A

Instructions: Participant: Follow instructions attached with this form.

UCEA0A		0a. Completion date:
N	Value	Description
96	Range	02/07/2011 - 09/20/2012
1		Missing

UCEA0B		0b. Staff ID:
N	Value	Description
		This variable has been removed

1. Start of collection:

UCEA1A		1.a Date:
N	Value	Description
96	Range	02/27/2011 - 09/19/2012
1		Missing

UCEA1B		1.b Time:
N	Value	Description
96	Range	1:00 - 11:10
1		Missing

UCEA1B1		(A=AM, P=PM):
N	Value	Description
94	A	AM
2	P	PM
1		Missing

UCEA2		2. Time of first PABA-B-Vitamin tablet:
N	Value	Description
94	Range	3:00 - 12:00
3		Missing

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section B**Section B: Visit 2 or 4 Forms**

UCEA2A		(A=AM, P=PM):
N	Value	Description
92	A	AM
2	P	PM
3		Missing

UCEA3		3. Time of second PABA-B-Vitamin tablet:
N	Value	Description
93	Range	1:00 - 12:45
4		Missing

UCEA3A		(A=AM, P=PM):
N	Value	Description
5	A	AM
88	P	PM
4		Missing

UCEA4		4. Time of third PABA-B-Vitamin tablet:
N	Value	Description
93	Range	3:30 - 12:12
4		Missing

UCEA4A		(A=AM, P=PM):
N	Value	Description
7	A	AM
86	P	PM
4		Missing

5. End of Collection:

UCEA5A		5.a Date:
N	Value	Description
96	Range	01/28/2012 - 09/20/2012
1		Missing

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section B**Section B: Visit 2 or 4 Forms**

<i>UCEA5B</i>		<i>5.b Time:</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
96	Range	3:28 - 11:00
1		Missing

<i>UCEA5B1</i>		<i>(A=AM, P=PM):</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
91	A	AM
5	P	PM
1		Missing

Problems if any (such as spilled urine, missed urine collections, or diarrhea):

<i>UCEA6</i>		<i>6. Did you miss any urine collections?</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
81	0	No <i>[skip to Q.8]</i>
15	1	Yes
1		Missing

<i>UCEA7</i>		<i>7. If you missed urine collections, how many did you miss?</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
15	Range	1 - 2 (median=1 mean=1.3 std=0.5)
81	.S	Skip Rule Followed
1		Missing

<i>UCEA8</i>		<i>8. Were you away from home during the collection period?</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
48	0	No <i>[skip to Q.10]</i>
48	1	Yes
1		Missing

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section B**Section B: Visit 2 or 4 Forms**

<i>UCEA9</i>		<i>9. If you were away from home, were you able to collect your urine?</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
12	0	No
35	1	Yes
48	.S	Skip Rule Followed
2		Missing

<i>UCEA10</i>		<i>10. Were you able to collect your urine during the night?</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6	0	No
88	1	Yes
3		Missing

<i>UCEA11</i>		<i>11. Did you have any diarrhea during the collection period?</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
93	0	No
3	1	Yes
1		Missing

<i>UCEA12</i>		<i>12. Did you spill any urine when pouring it into the bottle?</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
93	0	No
3	1	Yes
1		Missing

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section B

Section B: Visit 2 or 4 Forms

The Visit 4 Form: FORM CODE=VTE VERSION=A

Instructions: See the detailed instructions in the SOLNAS Manual for completion of this form.

VTEA0A		0a. Date of form completion:
N	Value	Description
96	Range	01/28/2012 - 09/20/2012

VTEA0B		0b. Staff ID:
N	Value	Description
		This variable has been removed

VTEA1		1. Check Form:
N	Value	Description
96	4	Visit 4

2. Weight:

VTEA2A		2.a Weight(kg):
N	Value	Description
96	Range	44.6 - 127.5 (median=74.7 mean=77.53 std=16.95)

VTEA2B		2.b Used Same Scale for Prior Visit Weight?
N	Value	Description
3	0	No
93	1	Yes

VTEA3		3. Visit Lab ID:
N	Value	Description
96	Present	Variable/Text Values Suppressed

VTEA4		4. Is participant in QC Sample?
N	Value	Description
96	0	No [skip to Q.5]

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section B

Section B: Visit 2 or 4 Forms

VTEA4A		QC Lab ID#:
N	Value	Description
96	Present	Variable/Text Values Suppressed

5. TIME 0 (Fasting) URINE COLLECTION

VTEA5A		5a. Time Collected:
N	Value	Description
96	Range	6:37 - 12:54

VTEA5B		(A=AM, P=PM)
N	Value	Description
91	A	AM
5	P	PM

VTEA5C		5b. Collection Date:
N	Value	Description
96	Range	01/28/2012 - 09/20/2012

6. TIME 0 (Fasting) BLOOD DRAW

VTEA6A1		6.a. 6 mL Royal Blue vacutainer
N	Value	Description
1	0	No
95	1	Yes

VTEA6A2		Four 0.5 mL (minimum) serum (in four 2 mL cryovials)
N	Value	Description
1	0	No
95	1	Yes

VTEA6A3		Label "SOLNAS Visit" Number 00, 01, 02, 03
N	Value	Description
1	0	No
95	1	Yes

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section B**Section B: Visit 2 or 4 Forms**

VTEA6B1		6.b. 10 mL Lavender dry EDTA vacutainer
N	Value	Description
1	0	No
95	1	Yes

VTEA6B2		Three 0.5 mL (minimum) plasma (in three 2 mL cryovials)
N	Value	Description
1	0	No
95	1	Yes

VTEA6B3		Label "SOLNAS Visit" Number 10, 11, 12
N	Value	Description
1	0	No
95	1	Yes

6.c. For participants 60 years or older ONLY

VTEA6C1		One 1.75 mL plasma (in one 2mL cryovial)
N	Value	Description
55	0	No
17	1	Yes
24		Missing

VTEA6C2		Label "SOLNAS Visit" number 20
N	Value	Description
56	0	No
16	1	Yes
24		Missing

VTEA6D		6.d. Time of Draw:
N	Value	Description
95	Range	7:38 - 12:48
1		Missing

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section B

Section B: Visit 2 or 4 Forms

VTEA6D1		(A=AM,P=PM)
N	Value	Description
90	A	AM
5	P	PM
1		Missing

VTEA6E		6.e. Collection Date:
N	Value	Description
95	Range	01/28/2012 - 09/20/2012
1		Missing

7. 24-HOUR URINE COLLECTION AND PROCESSING

VTEA7A		7.a. Total Weight(g):
N	Value	Description
96	Range	299 - 6212 (median=1911.5 mean=2292.14 std=1210.57)

VTEA7B1		7.b. 10 mL Tube for centrifuging
N	Value	Description
1	0	No
95	1	Yes

VTEA7B2		Three 1.75 mL (in three 2mL cryovials)
N	Value	Description
1	0	No
95	1	Yes

VTEA7B3		Label "SOLNAS Visit" Number 60, 61, 62
N	Value	Description
1	0	No
95	1	Yes

VTEA7C		7.c. Collection Date:
N	Value	Description
96	Range	01/28/2012 - 09/20/2012

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section B

Section B: Visit 2 or 4 Forms

8. PABA (B-Vitamin) Adherence

VTEA8A		8.a Did the 24-hour urine kit contain the 3 PABA (B-Vitamin)tablets at the prior Visit?
N	Value	Description
1	0	No [skip to Q.9]
95	1	Yes

VTEA8B		8.b How many PABA (B-Vitamin) tablets did the participant take?
N	Value	Description
1	0	0 tablets
1	1	1 tablet
93	3	3 tablets
1	.S	Skip Rule Followed

VTEA8C		8.c Did the participant take any acetaminophen (for example, Tylenol) during the urine collection?
N	Value	Description
95	0	No
1	.S	Skip Rule Followed

VTEA8D		8.d Did the participant take any vitamins, other than the PABA(B-Vitamin) tablets, during the urine collection?
N	Value	Description
90	0	No
4	1	Yes
1	9	Don't Know
1	.S	Skip Rule Followed

9. TIME 1 URINE COLLECTION

VTEA9A		Time Collected:
N	Value	Description
96	Range	1:05 - 12:58

VTEA9A1		(A=AM, P=PM):
N	Value	Description
87	A	AM
9	P	PM

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section B

Section B: Visit 2 or 4 Forms

VTEA9B		9.b. Collection Date:
N	Value	Description
96	Range	01/28/2012 - 09/20/2012

10. SPECIMEN INVENTORY CHECKLIST

VTEA10A		10.a. Tube #00- Serum #1 Collected?
N	Value	Description
1	0	No
95	1	Yes

VTEA10B		10.b. Tube #01- Serum #2 Collected?
N	Value	Description
1	0	No
95	1	Yes

VTEA10C		10.c. Tube #02- Serum #3 Collected?
N	Value	Description
1	0	No
95	1	Yes

VTEA10D		10.d. Tube #03- Serum #4 Collected?
N	Value	Description
1	0	No
95	1	Yes

VTEA10E		10.e. Tube #10- Plasma #1 Collected?
N	Value	Description
1	0	No
95	1	Yes

VTEA10F		10.f. Tube #11- Plasma #2 Collected?
N	Value	Description
1	0	No
95	1	Yes

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section B**Section B: Visit 2 or 4 Forms**

VTEA10G		10.g. Tube #12- Plasma #3 Collected?
N	Value	Description
1	0	No
95	1	Yes

VTEA10H		10.h. Tube #20- Plasma #4 Collected?
N	Value	Description
64	0	No
32	1	Yes

VTEA10I		10.i. Tube #50- Time 0 Urine Collected?
N	Value	Description
96	1	Yes

VTEA10J		10.j. Tube #51- Time 1 Urine Collected?
N	Value	Description
96	1	Yes

VTEA10K		10.k. Tube #60- 24hr Urine #1 Collected?
N	Value	Description
96	1	Yes

VTEA10L		10.l. Tube #61- 24hr Urine #2 Collected?
N	Value	Description
96	1	Yes

VTEA10M		10.m. Tube #62- 24hr Urine #3 Collected?
N	Value	Description
96	1	Yes

11. QUALITY CONTROL SPECIMEN INVENTORY CHECKLIST(Only if participant answered "yes" to question 4)

VTEA11A		11.a. Tube #00- QC Serum #1 Collected?
N	Value	Description
96	.S	Skip Rule Followed

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section B

Section B: Visit 2 or 4 Forms

VTEA11B		11.b. Tube #01- QC Serum #2 Collected?
N	Value	Description
96	.S	Skip Rule Followed

VTEA11C		11.c. Tube #02- QC Serum #3 Collected?
N	Value	Description
96	.S	Skip Rule Followed

VTEA11D		11.d. Tube #03- QC Serum #4 Collected?
N	Value	Description
96	.S	Skip Rule Followed

VTEA11E		11.e. Tube #10- QC Plasma #1 Collected?
N	Value	Description
96	.S	Skip Rule Followed

VTEA11F		11.f. Tube #11- QC Plasma #2 Collected?
N	Value	Description
96	.S	Skip Rule Followed

VTEA11G		11.g. Tube #12- QC Plasma #3 Collected?
N	Value	Description
96	.S	Skip Rule Followed

VTEA11H		11.h. Tube #50- QC Time 0 Urine Collected?
N	Value	Description
96	.S	Skip Rule Followed

VTEA11I		11.i. Tube #51- QC Time 1 Urine Collected?
N	Value	Description
96	.S	Skip Rule Followed

VTEA11J		11.j. Tube #60- QC 24hr Urine #1 Collected?
N	Value	Description
96	.S	Skip Rule Followed

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section B

Section B: Visit 2 or 4 Forms

VTEA11K		11.k. Tube #61- QC 24hr Urine #2 Collected?
N	Value	Description
96	.S	Skip Rule Followed

VTEA11L		11.l. Tube #62- QC 24hr Urine #3 Collected?
N	Value	Description
96	.S	Skip Rule Followed

VTEA11M		If specimen collection is incomplete, please explain:
N	Value	Description
96	Present	Variable/Text Values Suppressed

VTEA12		12. Consent for Future SOLNAS Contact:
N	Value	Description
96	.S	Skip Rule Followed

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section B

Section B: Visit 2 or 4 Forms

Visit 4 Participant Update Worksheet: FORM CODE=VUE VERSION=A

Instructions: Questions to ask prospective SOLNAS participants when they arrive for SOLNAS Visit 2 or Visit 4. See the detailed instructions in the SOLNAS Manual for completion of this form.

VUEA0A		0a. Date of form completion:
N	Value	Description
95	Range	01/28/2012 - 09/20/2012

VUEA0B		0b. Staff ID:
N	Value	Description
		This variable has been removed

VUEA1		1. Check form:
N	Value	Description
95	4	Visit 4

VUEA2		2. Have you taken insulin or any other medication for diabetes since we last talked by phone?
N	Value	Description
94	0	No
1		Missing

VUEA3		3. Have you received supplemental oxygen during the past two weeks?
N	Value	Description
94	0	No [skip to Q.4]
1		Missing

VUEA3A		3.a. Reason for supplemental oxygen:
N	Value	Description
94	Present	Variable/Text Values Suppressed
1		Missing

3.b. Dates of supplemental oxygen:

VUEA3B1		From:
N	Value	Description
94	.S	Skip Rule Followed
1		Missing

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section B

Section B: Visit 2 or 4 Forms

VUEA3B2		To:
N	Value	Description
94	.S	Skip Rule Followed
1		Missing

VUEA3C		3.c. Are you receiving supplemental oxygen on a permanent basis?
N	Value	Description
94	.S	Skip Rule Followed
1		Missing

VUEA3D		3.d. Are you willing to reschedule (corresponding Visit 2 or Visit 4) two weeks after temporary treatment is completed?
N	Value	Description
94	.S	Skip Rule Followed
1		Missing

VUEA4		4. Have you received blood transfusions or intravenous fluids during the past two weeks?
N	Value	Description
94	0	No [skip to Q.5]
1		Missing

VUEA4A		4.a. Reason for blood transfusion or intravenous fluids:
N	Value	Description
94	Present	Variable/Text Values Suppressed
1		Missing

4.b. Dates of blood transfusion or intravenous fluids:

VUEA4B1		From:
N	Value	Description
94	.S	Skip Rule Followed
1		Missing

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section B

Section B: Visit 2 or 4 Forms

VUEA4B2		To:
N	Value	Description
94	.S	Skip Rule Followed
1		Missing

VUEA4C		4.c. Are you willing to reschedule (corresponding Visit 2 or Visit 4) two weeks after the blood transfusion or intravenous fluids treatment is completed?
N	Value	Description
94	.S	Skip Rule Followed
1		Missing

VUEA5		5. Have you taken any medications that affect weight such as thyroid, weight loss or chemotherapy medications or diuretics in the past two weeks?
N	Value	Description
94	0	No [skip to Q.6]
1		Missing

VUEA5A		5.a. Reason for taking these medications:
N	Value	Description
94	Present	Variable/Text Values Suppressed
1		Missing

5.b. Dates of medication:

VUEA5B1		From:
N	Value	Description
94	.S	Skip Rule Followed
1		Missing

VUEA5B2		To:
N	Value	Description
94	.S	Skip Rule Followed
1		Missing

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section B

Section B: Visit 2 or 4 Forms

VUEA5C		5.c. Are you willing to reschedule (corresponding Visit 2 or Visit 4) after weight is stabilized?
N	Value	Description
94	.S	Skip Rule Followed
1		Missing

VUEA6		6. Have you traveled more than 200 miles (one-way) away from home during the past two weeks?
N	Value	Description
92	0	No [skip to Q.7]
2	1	Yes
1		Missing

6.a Note the participant's date (s) of travel:

VUEA6A1		From:
N	Value	Description
2	Range	05/05/2012 - 05/05/2012
92	.S	Skip Rule Followed
1		Missing

VUEA6A2		To:
N	Value	Description
2	Range	05/08/2012 - 05/08/2012
92	.S	Skip Rule Followed
1		Missing

VUEA6B		6.b. Location of travel:
N	Value	Description
94	Present	Variable/Text Values Suppressed
1		Missing

VUEA6C		6.c. Are you willing to reschedule (corresponding Visit 2 or Visit 4) two weeks after return from travel?
N	Value	Description
92	.S	Skip Rule Followed
3		Missing

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section B

Section B: Visit 2 or 4 Forms

VUEA7		7. Have you had anything to eat or drink besides water or non-caloric, decaffeinated beverages during the past twelve hours?
N	Value	Description
92	0	No [skip to Q.8]
1	1	Yes
2		Missing

VUEA7A		7.a Are you willing to wait to start the SOLNAS blood draw and indirect calorimetry until it has been 12 hours since you have eaten? (We can still collect the last two urine samples.)
N	Value	Description
1	1	Yes [skip to Q.7b]
92	.S	Skip Rule Followed
2		Missing

VUEA7A1		7.a.1 Are you willing to reschedule your SOLNAS blood draw and indirect calorimetry?
N	Value	Description
93	.S	Skip Rule Followed
2		Missing

VUEA7B		7.b Time when participant last ate or drank:
N	Value	Description
1	Range	9:00 - 9:00
92	.S	Skip Rule Followed
2		Missing

VUEA7BI		(A=AM, P=PM):
N	Value	Description
1	P	PM
92	~	Skip Rule Followed
2		Missing

VUEA7B1		7.b.1 Time when the 12-hour SOLNAS fast will be complete:
N	Value	Description
1	Range	9:00 - 9:00
92	.S	Skip Rule Followed
2		Missing

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 1 Section B

Section B: Visit 2 or 4 Forms

VUEA7B1I		(A=AM, P=PM):
N	Value	Description
1	A	AM
92	~	Skip Rule Followed
2		Missing

VUEA8		8. Visit Eligibility Summary
N	Value	Description
1	0	Ineligible [skip to End]
1	1	Refused to Reschedule [skip to End]
93	2	Eligible [skip to End]

VUEA8A		8.a. Appointment Date:
N	Value	Description
95	.S	Skip Rule Followed

VUEA8B		8.b. Appointment Time:
N	Value	Description
95	.S	Skip Rule Followed

VUEA8B1		(A=AM, P=PM):
N	Value	Description
95	~	Skip Rule Followed

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 2 Section A

Section A: Doubly Labeled Water (Baylor College of Medicine)

Doubly Labeled Water Data: FORM CODE=DLW VERSION=A

The DLWA file contains multiple records per participant. Key fields are: ID, SOLNAS_STUDY, SampleSeq.

DLWA1		Site
N	Value	Description
126	SOL-5	Bronx
119	SOL-6	Chicago
142	SOL-7	Miami
126	SOL-8	San Diego

DLWA2		Lab ID
N	Value	Description
513	Present	Variable/Text Values Suppressed

SAMPLESEQ		Sample Collection Sequence (consecutive number)
N	Value	Description
96	1	U30
95	2	U33
96	3	U34
96	4	U50
96	5	U51
17	6	P40
17	7	P20

DLWA4		Sample Collection Sequence (U=urine,P=plasma; numbers identify sample vial numbers)
N	Value	Description
17	P20	P20
17	P40	P40
96	U30	U30
95	U33	U33
96	U34	U34
96	U50	U50
96	U51	U51

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 2 Section A
Section A: Doubly Labeled Water (Baylor College of Medicine)

<i>DLWA5</i>		<i>Sample Date</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
512	Range	01/19/2011 - 09/20/2012
1		Missing

<i>DLWA6</i>		<i>Sample Time</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
513	Range	6:37 - 23:22

<i>DLWA7</i>		<i>Baseline (Y/N)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
102	Y	Yes
411	N	No

<i>DLWA11</i>		<i>Dose/Bottle ID</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
96	Present	Variable/Text Values Suppressed
417		Missing

<i>DLWA12</i>		<i>Dose amount (g)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
96	Range	61.63 - 179.55 (median=108.235 mean=110.5463 std=23.5090)
417		Missing

<i>DLWA13</i>		<i>FQ</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
96	Range	0.86 - 0.86 (median=0.86 mean=0.860 std=0.000)
417		Missing

<i>DLWA14</i>		<i>Dosing Time (24h)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
96	Range	7:11 - 11:54
417		Missing

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 2 Section A

Section A: Doubly Labeled Water (Baylor College of Medicine)

DLWA15		Dosing date
N	Value	Description
96	Range	01/19/2011 - 09/07/2012
417		Missing

DLWA19		FQ Source
N	Value	Description
96	2	General Population based
417		Missing

DLWA20		Days
N	Value	Description
512	Range	-0.052083333 - 17.05625 (median=0.166666667 mean=4.97724338108 std=5.93247331952)
1		Missing

DLWA21		MEAN 2H (o/oo)
N	Value	Description
512	Range	-55.83451255 - 1490.4299613 (median=455.64914743 mean=596.059417782 std=446.576363042)
1		Missing

DLWA22		MEAN 18O (o/oo)
N	Value	Description
512	Range	-6.017739908 - 199.46874062 (median=42.116111288 mean=71.7219438950 std=64.0336178457)
1		Missing

DLWA23		2H space (kg)
N	Value	Description
112	Range	23.08539042 - 53.960973159 (median=32.855806521 mean=34.6526635164 std=7.3956887131)
401		Missing

DLWA24		TBW-2H (%) Deuterium isotope dilution space relative to body weight
N	Value	Description
112	Range	32.479195229 - 64.482558055 (median=44.489046408 mean=45.3907092922 std=7.1877090134)
401		Missing

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 2 Section A

Section A: Doubly Labeled Water (Baylor College of Medicine)

DLWA25		18O space (kg)
N	Value	Description
112	Range	22.413113646 - 51.898503785 (median=31.835171966 mean=33.4932854897 std=7.0866242328)
401		Missing

DLWA26		TBW-18O, body wt (%)
N	Value	Description
112	Range	31.449683148 - 62.322208556 (median=43.159358587 mean=43.8767984110 std=6.8882873832)
401		Missing

DLWA27		NH/NO
N	Value	Description
112	Range	1.0236483479 - 1.0482819576 (median=1.0332584397 mean=1.03428230183 std=0.00506107135)
401		Missing

DLWA28		kH (d-1)
N	Value	Description
112	Range	-0.271592483 - -0.056821836 (median=-0.088945951 mean=-0.0985331087 std=0.0316808167)
401		Missing

DLWA29		kO (d-1)
N	Value	Description
112	Range	-0.318902127 - -0.080468167 (median=-0.116667444 mean=-0.1248546459 std=0.0336081234)
401		Missing

DLWA30		Correlation kH
N	Value	Description
112	Range	-1 - -0.986144535 (median=-0.999952321 mean=-0.9997900236 std=0.0013065623)
401		Missing

DLWA31		Correlation kO
N	Value	Description
112	Range	-1 - -0.982610431 (median=-0.999965964 mean=-0.9997818128 std=0.0016396738)
401		Missing

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 2 Section A

Section A: Doubly Labeled Water (Baylor College of Medicine)

DLWA32		VCO2 (mol/d)
N	Value	Description
112	Range	12.362602942 - 31.368508558 (median=18.635590861 mean=19.2630365017 std=4.1261845705)
401		Missing

DLWA33		TEE0-12 days (kcal/d)
N	Value	Description
112	Range	1569.6362021 - 3982.7491728 (median=2366.095409 mean=2445.7599746 std=523.8871384)
401		Missing

DLWA34		BMI (kg/m ²) at SOLNAS visit
N	Value	Description
110	Range	16.807210599 - 50.420816666 (median=28.333850429 mean=29.1532565176 std=6.0611892274)
403		Missing

DLWA35		Lean body mass (kg)
N	Value	Description
110	Range	30.702895405 - 71.093840802 (median=43.609824611 mean=45.8055627006 std=9.6201299307)
403		Missing

DLWA36		Body fat (kg)
N	Value	Description
110	Range	8.4544704855 - 70.863211617 (median=29.16418308 mean=31.415346390 std=12.075061380)
403		Missing

DLWA37		Body fat(%)
N	Value	Description
110	Range	14.627111567 - 56.918242263 (median=40.877590976 mean=39.8586432522 std=9.5166877044)
403		Missing

DLWA38		Ratio Plasma/Urine
N	Value	Description
16	Range	0.971 - 1.2203818546 (median=1.0215 mean=1.03108 std=0.05643)
497		Missing

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 2 Section A**Section A: Doubly Labeled Water (Baylor College of Medicine)**

<i>SOLNAS_VISIT</i>		<i>SOLNAS study visits: 1,2,3 or 4</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
513	3	visit 3

<i>SOLNAS_STUDY</i>		<i>SOLNAS study: 'M'=SOLNAS Main studies, where visit=1 or 2; 'R'=SOINAS reliability study, where visit=3 or 4</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
513	R	Reliability Studies

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 2 Section B

Section B: Recovery Biomarkers for nutrients (U Minnesota & U Hawaii)

Biomarkers Central Lab Data: FORM CODE=LAB VERSION=

ASSAYDT_NAK		Assay date for sodium and potassium
N	Value	Description
96	Range	01/16/2013 - 01/30/2013

ASSAYDT_TOCOPH EROL		Assay date for Tocopherol
N	Value	Description
95	Range	10/25/2013 - 11/19/2013
1		Missing

ASSAYDT_RETINOL		Assay date for Retinol
N	Value	Description
95	Range	02/10/2014 - 04/03/2014
1		Missing

BIO_CHOL		Cholesterol (mg/dL)
N	Value	Description
95	Range	85 - 311 (median=190 mean=189.1 std=42.3)
1		Missing

BIO_K		Urine Potassium (mmol/L)
N	Value	Description
96	Range	5 - 88 (median=28 mean=29.8 std=16.2)

BIO_N		Nitrogen (mg/mL)
N	Value	Description
96	Range	1.46 - 16.59 (median=5.67 mean=6.665 std=3.439)

BIO_NA		Urine Sodium (mmol/L)
N	Value	Description
96	Range	15 - 274 (median=72 mean=87.6 std=55.3)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 2 Section B

Section B: Recovery Biomarkers for nutrients (U Minnesota & U Hawaii)

<i>BIO_TRIG</i>		<i>Triglycerides (mg/dL)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
95	Range	35 - 423 (median=108 mean=120.9 std=62.7)
1		Missing

<i>BIO_VB12</i>		<i>Vitamin B12 (pg/ml)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
94	Range	73.79 - 3040 (median=529.55 mean=623.254 std=391.355)
2		Missing

<i>BIO_FOLATE</i>		<i>Folate (nmol/L)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
95	Range	6.37 - 74.6 (median=39.92 mean=42.940 std=15.940)
1		Missing

<i>BIO_ZEAXANTHIN</i>		<i>Zeaxanthin (µg/dL)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
95	Range	2.7 - 79 (median=19.2 mean=21.75 std=13.48)
1		Missing

<i>BIO_CRYPTOXANTHIN</i>		<i>Cryptoxanthin (µg/dL)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
95	Range	0.3 - 82.5 (median=9.1 mean=13.27 std=14.11)
1		Missing

<i>BIO_LYCOPENE</i>		<i>Lycopene (µg/dL)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
95	Range	3.2 - 90.1 (median=37.5 mean=38.87 std=16.36)
1		Missing

<i>BIO_ALPHA_CAROTENE</i>		<i>alpha-carotene (µg/dL)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
95	Range	0.2 - 30.5 (median=4 mean=5.3 std=4.6)
1		Missing

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 2 Section B

Section B: Recovery Biomarkers for nutrients (U Minnesota & U Hawaii)

<i>BIO_BETA_CAROTENE</i>		<i>beta-carotene (µg/dL)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
95	Range	0.4 - 86.1 (median=13.6 mean=19.47 std=18.39)
1		Missing

<i>BIO_ALPHA_TOCOPHEROL</i>		<i>alpha-tocopherol (mg/dL)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
95	Range	0.45 - 3.05 (median=0.95 mean=0.989 std=0.331)
1		Missing

<i>BIO_GAMMA_TOCOPHEROL</i>		<i>gamma-tocopherol (mg/dL)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
95	Range	0.06 - 0.43 (median=0.2 mean=0.21 std=0.08)
1		Missing

<i>BIO_RETINOL</i>		<i>Retinol (µg/dL)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
92	Range	0.29 - 1.43 (median=0.67 mean=0.691 std=0.241)
4		Missing

<i>BIO_RETINYL_PALM</i>		<i>Retinyl_Palmitate(µg/dL)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
50	Range	0 - 1.26 (median=0.31 mean=0.355 std=0.235)
46		Missing

<i>BIO_FRUCTOSE</i>		<i>Fructose (mg/L)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
96	Range	0.9750188013 - 632.07018567 (median=10.421685226 mean=30.9489898619 std=88.4836483115)

<i>BIO_GLUCOSE</i>		<i>Glucose (mg/L)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
96	Range	4.0595235793 - 460.9051437 (median=16.872038984 mean=32.1035092817 std=63.5305910972)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 2 Section B
Section B: Recovery Biomarkers for nutrients (U Minnesota & U Hawaii)

<i>BIO_SUCROSE</i>		<i>Sucrose (mg/L)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
96	Range	0.6573849054 - 289.45996225 (median=12.521917425 mean=22.9613250974 std=34.3416874698)

<i>COMMT_CHOL</i>		<i>Central Lab comments for cholesterol and triglycerides</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	Present	Variable/Text Values Suppressed
95		Missing

<i>COMMT_N</i>		<i>Central Lab comments for urinary nitrogen</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
96		Missing

<i>COMMT_NAK</i>		<i>Central Lab comments for sodium and potassium</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
96		Missing

<i>COMMT_PABA</i>		<i>Central Lab Comment for PABA</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
4	Present	Variable/Text Values Suppressed
92		Missing

<i>COMMT_VITAMIN</i>		<i>Central Lab Comment for VB12 and Folate</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	Present	Variable/Text Values Suppressed
95		Missing

<i>COMMT_TOCOPHE ROL</i>		<i>Central Lab Comment for Tocopherol</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	Present	Variable/Text Values Suppressed
95		Missing

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 2 Section B**Section B: Recovery Biomarkers for nutrients (U Minnesota & U Hawaii)**

<i>COMMT_RETINOL</i>		<i>Central Lab Comment for Retinol</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	Present	Variable/Text Values Suppressed
95		Missing

<i>LABID</i>		<i>Lab ID</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
96	Present	Variable/Text Values Suppressed

<i>PABA</i>		<i>Paba result (mg/L)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
12	Range	34.5 - 645.4 (median=109.25 mean=161.992 std=171.610)
84		Missing

<i>SOLNAS_STUDY</i>		<i>SOLNAS study: 'M'=SOLNAS Main studies, where visit=1 or 2; 'R'=SOINAS reliability study, where visit=3 or 4</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
96	R	Reliability Studies

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 3 Section A

Section A: NDSR Dietary Intake

NDSR File 03 (Nutrients at meal level): FORM CODE=NNM VERSION=A

<i>MEALID</i>		<i>Index of meal</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
		This variable has been removed

<i>NNMA1</i>		<i>Project Abbreviation</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
950	Present	Variable/Text Values Suppressed

<i>NNMA3</i>		<i>Date of Intake</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
950	Range	01/16/2012 - 10/01/2012

<i>NNMA5</i>		<i>Meal Time</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
950	Range	0:00 - 23:45

<i>NNMA6</i>		<i>Meal Name</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
169	1	Breakfast
163	3	Lunch
217	4	Snack
171	5	Dinner/Supper
229	6	Other
1	7	School Lunch

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 3 Section A

Section A: NDSR Dietary Intake

NNMA7		Meal Location
N	Value	Description
744	1	Home
116	2	Work
1	3	School
2	6	Deli/take-out/store
42	7	Restaurant/cafe/tertia/fast food
9	10	Friend's home
1	11	Community meal program
5	12	Party/reception/sporting event
30	13	Other

NNMA8		Total Grams
N	Value	Description
950	Range	5.28 - 6672.375 (median=490.4585 mean=594.27487 std=507.32096)

NNMA9		Energy (kcal)
N	Value	Description
950	Range	0 - 3210.127 (median=284.426 mean=387.5115 std=397.7441)

NNMA10		Total Fat (g)
N	Value	Description
950	Range	0 - 182.316 (median=8.1245 mean=14.25937 std=18.71179)

NNMA11		Total Carbohydrate (g)
N	Value	Description
950	Range	0 - 258.459 (median=38.779 mean=50.0653 std=48.8128)

NNMA12		Total Protein (g)
N	Value	Description
950	Range	0 - 156.402 (median=8.8525 mean=15.62965 std=19.25952)

NNMA13		Animal Protein (g)
N	Value	Description
950	Range	0 - 137.966 (median=4.782 mean=10.6070 std=15.3281)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 3 Section A

Section A: NDSR Dietary Intake

NNMA14		Vegetable Protein (g)
N	Value	Description
950	Range	0 - 49.127 (median=2.7905 mean=5.02272 std=6.58570)

NNMA15		Alcohol (g)
N	Value	Description
950	Range	0 - 69.498 (median=0 mean=0.2 std=3.2)

NNMA16		Cholesterol (mg)
N	Value	Description
950	Range	0 - 770.868 (median=15.25 mean=53.993 std=93.686)

NNMA17		Total Saturated Fatty Acids (SFA) (g)
N	Value	Description
950	Range	0 - 84.522 (median=2.666 mean=4.7762 std=6.6870)

NNMA18		Total Monounsaturated Fatty Acids (MUFA) (g)
N	Value	Description
950	Range	0 - 75.135 (median=2.4365 mean=5.42565 std=8.17701)

NNMA19		Total Polyunsaturated Fatty Acids (PUFA) (g)
N	Value	Description
950	Range	0 - 39.481 (median=1.203 mean=2.8774 std=4.5661)

NNMA20		Fructose (g)
N	Value	Description
950	Range	0 - 51.167 (median=1.1095 mean=4.53549 std=7.06384)

NNMA21		Galactose (g)
N	Value	Description
950	Range	0 - 6.441 (median=0.001 mean=0.0555 std=0.2909)

NNMA22		Glucose (g)
N	Value	Description
950	Range	0 - 56.743 (median=1.541 mean=4.4365 std=6.8185)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 3 Section A

Section A: NDSR Dietary Intake

NNMA23		Lactose (g)
N	Value	Description
950	Range	0 - 36.966 (median=0 mean=2.5 std=5.3)

NNMA24		Maltose (g)
N	Value	Description
950	Range	0 - 9.748 (median=0.0255 mean=0.41076 std=0.89710)

NNMA25		Sucrose (g)
N	Value	Description
950	Range	0 - 172.752 (median=4.038 mean=9.2751 std=14.6960)

NNMA26		Starch (g)
N	Value	Description
950	Range	0 - 173.935 (median=11.1475 mean=22.02086 std=29.13572)

NNMA27		Total Dietary Fiber (g)
N	Value	Description
950	Range	0 - 47.888 (median=2.1505 mean=3.66766 std=4.92627)

NNMA28		Soluble Dietary Fiber (g)
N	Value	Description
950	Range	0 - 19.815 (median=0.7215 mean=1.13095 std=1.58158)

NNMA29		Insoluble Dietary Fiber (g)
N	Value	Description
950	Range	0 - 45.267 (median=1.1795 mean=2.51151 std=3.77256)

NNMA30		Pectins (g)
N	Value	Description
949	Range	0 - 5.079 (median=0.098 mean=0.4894 std=0.7520)
1		Missing

NNMA31		Total Vitamin A Activity (International Units) (IU)
N	Value	Description
950	Range	0 - 68668.196 (median=356.972 mean=1370.1137 std=3950.6854)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 3 Section A

Section A: NDSR Dietary Intake

NNMA32		Beta-Carotene Equivalents (derived from provitamin A carotenoids) (mcg)
N	Value	Description
950	Range	0 - 40862.996 (median=30.1965 mean=674.32647 std=2345.58437)

NNMA33		Retinol (mcg)
N	Value	Description
950	Range	0 - 3978 (median=8.0725 mean=73.89949 std=177.06253)

NNMA34		Vitamin D (calciferol) (mcg)
N	Value	Description
950	Range	0 - 26.372 (median=0.129 mean=1.0079 std=2.0156)

NNMA35		Total Alpha-Tocopherol Equivalents (mg)
N	Value	Description
950	Range	0 - 29.611 (median=0.734 mean=1.7929 std=2.7231)

NNMA36		Vitamin E (Total Alpha-Tocopherol) (mg)
N	Value	Description
950	Range	0 - 18.747 (median=0.64 mean=1.508 std=2.299)

NNMA37		Beta-Tocopherol (mg)
N	Value	Description
950	Range	0 - 2.332 (median=0.018 mean=0.0629 std=0.1307)

NNMA38		Gamma-Tocopherol (mg)
N	Value	Description
950	Range	0 - 34.466 (median=0.3885 mean=2.15713 std=4.13249)

NNMA39		Delta-Tocopherol (mg)
N	Value	Description
950	Range	0 - 10.939 (median=0.03 mean=0.496 std=1.112)

NNMA40		Vitamin K (phylloquinone) (mcg)
N	Value	Description
950	Range	0 - 1145.154 (median=3.3785 mean=17.52842 std=57.37389)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 3 Section A

Section A: NDSR Dietary Intake

NNMA41		Vitamin C (ascorbic acid) (mg)
N	Value	Description
950	Range	0 - 376.488 (median=2.44 mean=20.320 std=37.702)

NNMA42		Thiamin (vitamin B1) (mg)
N	Value	Description
950	Range	0 - 2.942 (median=0.192 mean=0.3180 std=0.3919)

NNMA43		Riboflavin (vitamin B2) (mg)
N	Value	Description
950	Range	0 - 3.487 (median=0.241 mean=0.3512 std=0.3906)

NNMA44		Niacin (vitamin B3) (mg)
N	Value	Description
950	Range	0 - 42.724 (median=2.574 mean=4.1726 std=5.2952)

NNMA45		Pantothenic Acid (mg)
N	Value	Description
950	Range	0 - 10.097 (median=0.732 mean=0.9871 std=1.0567)

NNMA46		Vitamin B-6 (pyridoxine, pyridoxyl, & pyridoxamine) (mg)
N	Value	Description
950	Range	0 - 10.142 (median=0.1755 mean=0.36577 std=0.53965)

NNMA47		Total Folate (mcg)
N	Value	Description
950	Range	0 - 880.004 (median=41.5975 mean=78.61810 std=111.21651)

NNMA48		Vitamin B-12 (cobalamin) (mcg)
N	Value	Description
950	Range	0 - 25.788 (median=0.289 mean=0.8388 std=1.6777)

NNMA49		Calcium (mg)
N	Value	Description
950	Range	0 - 1972.413 (median=88.385 mean=165.0909 std=199.1446)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 3 Section A

Section A: NDSR Dietary Intake

NNMA50		Phosphorus (mg)
N	Value	Description
950	Range	0 - 2349.114 (median=174.028 mean=234.6390 std=253.3224)

NNMA51		Magnesium (mg)
N	Value	Description
950	Range	0 - 410.431 (median=43.596 mean=57.7914 std=57.4520)

NNMA52		Iron (mg)
N	Value	Description
950	Range	0 - 32.492 (median=1.5745 mean=2.77520 std=3.86479)

NNMA53		Zinc (mg)
N	Value	Description
950	Range	0 - 30.862 (median=1.2375 mean=2.10810 std=2.80873)

NNMA54		Copper (mg)
N	Value	Description
950	Range	0 - 3.77 (median=0.149 mean=0.2496 std=0.3017)

NNMA55		Selenium (mcg)
N	Value	Description
950	Range	0 - 211.379 (median=11.7785 mean=21.83205 std=28.12001)

NNMA56		Sodium (mg)
N	Value	Description
950	Range	0 - 5657.785 (median=265.745 mean=628.8480 std=850.7149)

NNMA57		Potassium (mg)
N	Value	Description
950	Range	0 - 3490.488 (median=379.1735 mean=506.04147 std=540.63730)

NNMA58		SFA 4:0 (butyric acid) (g)
N	Value	Description
950	Range	0 - 2.715 (median=0 mean=0.1 std=0.2)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 3 Section A

Section A: NDSR Dietary Intake

NNMA59		SFA 6:0 (caproic acid) (g)
N	Value	Description
950	Range	0 - 1.655 (median=0 mean=0.1 std=0.1)

NNMA60		SFA 8:0 (caprylic acid) (g)
N	Value	Description
950	Range	0 - 1.498 (median=0 mean=0.1 std=0.1)

NNMA61		SFA 10:0 (capric acid) (g)
N	Value	Description
950	Range	0 - 2.084 (median=0.0035 mean=0.08788 std=0.18804)

NNMA62		SFA 12:0 (lauric acid) (g)
N	Value	Description
950	Range	0 - 10.841 (median=0.014 mean=0.1810 std=0.7751)

NNMA63		SFA 14:0 (myristic acid) (g)
N	Value	Description
950	Range	0 - 10.012 (median=0.097 mean=0.4152 std=0.7543)

NNMA64		SFA 16:0 (palmitic acid) (g)
N	Value	Description
950	Range	0 - 42.653 (median=1.526 mean=2.6112 std=3.5593)

NNMA65		SFA 17:0 (margaric acid) (g)
N	Value	Description
950	Range	0 - 0.591 (median=0.001 mean=0.0174 std=0.0468)

NNMA66		SFA 18:0 (stearic acid) (g)
N	Value	Description
950	Range	0 - 20.047 (median=0.555 mean=1.1394 std=1.7244)

NNMA67		SFA 20:0 (arachidic acid) (g)
N	Value	Description
950	Range	0 - 0.638 (median=0.006 mean=0.0233 std=0.0452)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 3 Section A

Section A: NDSR Dietary Intake

NNMA68		SFA 22:0 (behenic acid) (g)
N	Value	Description
950	Range	0 - 0.348 (median=0.002 mean=0.0136 std=0.0350)

NNMA69		MUFA 14:1 (myristoleic acid) (g)
N	Value	Description
950	Range	0 - 0.51 (median=0 mean=0.0 std=0.0)

NNMA70		MUFA 16:1 (palmitoleic acid) (g)
N	Value	Description
950	Range	0 - 5.17 (median=0.073 mean=0.2411 std=0.4021)

NNMA71		MUFA 18:1 (oleic acid) (g)
N	Value	Description
950	Range	0 - 72.782 (median=2.346 mean=5.0759 std=7.6906)

NNMA72		MUFA 20:1 (gadoleic acid) (g)
N	Value	Description
950	Range	0 - 1.3 (median=0.007 mean=0.0417 std=0.0907)

NNMA73		MUFA 22:1 (erucic acid) (g)
N	Value	Description
950	Range	0 - 0.713 (median=0 mean=0.0 std=0.0)

NNMA74		PUFA 18:2 (linoleic acid) (g)
N	Value	Description
950	Range	0 - 34.529 (median=0.9375 mean=2.51145 std=3.99868)

NNMA75		PUFA 18:3 (linolenic acid) (g)
N	Value	Description
950	Range	0 - 9.078 (median=0.1085 mean=0.29332 std=0.58151)

NNMA76		PUFA 18:4 (parinaric acid) (g)
N	Value	Description
950	Range	0 - 0.09 (median=0 mean=0.0 std=0.0)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 3 Section A

Section A: NDSR Dietary Intake

NNMA77		PUFA 20:4 (arachidonic acid) (g)
N	Value	Description
950	Range	0 - 0.508 (median=0 mean=0.0 std=0.1)

NNMA78		PUFA 20:5 (eicosapentaenoic acid [EPA]) (g)
N	Value	Description
950	Range	0 - 0.785 (median=0 mean=0.0 std=0.0)

NNMA79		PUFA 22:5 (docosapentaenoic acid [DPA]) (g)
N	Value	Description
950	Range	0 - 0.34 (median=0 mean=0.0 std=0.0)

NNMA80		PUFA 22:6 (docosahexaenoic acid [DHA]) (g)
N	Value	Description
950	Range	0 - 2.542 (median=0 mean=0.0 std=0.1)

NNMA81		Tryptophan (g)
N	Value	Description
950	Range	0 - 1.559 (median=0.1055 mean=0.17662 std=0.21104)

NNMA82		Threonine (g)
N	Value	Description
950	Range	0 - 5.637 (median=0.307 mean=0.5990 std=0.7683)

NNMA83		Isoleucine (g)
N	Value	Description
950	Range	0 - 6.845 (median=0.4025 mean=0.70888 std=0.88647)

NNMA84		Leucine (g)
N	Value	Description
950	Range	0 - 13.473 (median=0.694 mean=1.2236 std=1.5083)

NNMA85		Lysine (g)
N	Value	Description
950	Range	0 - 12.912 (median=0.4655 mean=1.06149 std=1.45777)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 3 Section A

Section A: NDSR Dietary Intake

NNMA86		Methionine (g)
N	Value	Description
950	Range	0 - 3.843 (median=0.178 mean=0.3570 std=0.4654)

NNMA87		Cystine (g)
N	Value	Description
949	Range	0 - 1.761 (median=0.136 mean=0.2253 std=0.2599)
1		Missing

NNMA88		Phenylalanine (g)
N	Value	Description
950	Range	0 - 7.026 (median=0.3955 mean=0.68774 std=0.83251)

NNMA89		Tyrosine (g)
N	Value	Description
950	Range	0 - 6.147 (median=0.3055 mean=0.53199 std=0.65434)

NNMA90		Valine (g)
N	Value	Description
950	Range	0 - 8.266 (median=0.457 mean=0.7992 std=0.9802)

NNMA91		Arginine (g)
N	Value	Description
950	Range	0 - 8.79 (median=0.368 mean=0.8803 std=1.1995)

NNMA92		Histidine (g)
N	Value	Description
950	Range	0 - 5.465 (median=0.2095 mean=0.43370 std=0.57451)

NNMA93		Alanine (g)
N	Value	Description
950	Range	0 - 10.278 (median=0.3385 mean=0.76899 std=1.06428)

NNMA94		Aspartic Acid (g)
N	Value	Description
950	Range	0 - 12.503 (median=0.732 mean=1.3972 std=1.7666)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 3 Section A

Section A: NDSR Dietary Intake

NNMA95		Glutamic Acid (g)
N	Value	Description
950	Range	0 - 27.534 (median=1.844 mean=2.9185 std=3.4304)

NNMA96		Glycine (g)
N	Value	Description
950	Range	0 - 20.167 (median=0.263 mean=0.6902 std=1.1311)

NNMA97		Proline (g)
N	Value	Description
950	Range	0 - 12.746 (median=0.6455 mean=0.98251 std=1.19627)

NNMA98		Serine (g)
N	Value	Description
950	Range	0 - 6.996 (median=0.415 mean=0.7048 std=0.8508)

NNMA99		Aspartame (mg)
N	Value	Description
950	Range	0 - 185.281 (median=0 mean=1.3 std=12.1)

NNMA100		Saccharin (mg)
N	Value	Description
950	Range	0 - 36.625 (median=0 mean=0.1 std=1.4)

NNMA101		Caffeine (mg)
N	Value	Description
950	Range	0 - 269.387 (median=0 mean=19.5 std=42.8)

NNMA102		Phytic Acid (mg)
N	Value	Description
950	Range	0 - 2182.054 (median=43.958 mean=124.0174 std=190.6410)

NNMA103		Oxalic Acid (mg)
N	Value	Description
950	Range	0 - 3799.729 (median=10.911 mean=39.6507 std=170.9592)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 3 Section A

Section A: NDSR Dietary Intake

NNMA104		3-Methylhistidine (mg)
N	Value	Description
950	Range	0 - 48.721 (median=0 mean=3.8 std=7.3)

NNMA105		Sucrose Polyester (g)
N	Value	Description
950	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA106		Ash (g)
N	Value	Description
950	Range	0 - 23.142 (median=2.3825 mean=3.44528 std=3.53135)

NNMA107		Water (g)
N	Value	Description
950	Range	0 - 6658.172 (median=414.481 mean=519.2816 std=479.0679)

NNMA108		% Calories from Fat
N	Value	Description
950	Range	0 - 100 (median=22.8645 mean=23.29520 std=19.10453)

NNMA109		% Calories from Carbohydrate
N	Value	Description
950	Range	0 - 107.1 (median=50.855 mean=49.7499 std=29.4624)

NNMA110		% Calories from Protein
N	Value	Description
950	Range	0 - 76.017 (median=11.249 mean=12.1679 std=10.9490)

NNMA111		% Calories from Alcohol
N	Value	Description
950	Range	0 - 74.828 (median=0 mean=0.3 std=4.3)

NNMA112		% Calories from SFA
N	Value	Description
950	Range	0 - 50.214 (median=6.7165 mean=8.31965 std=8.42759)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 3 Section A

Section A: NDSR Dietary Intake

NNMA113		% Calories from MUFA
N	Value	Description
950	Range	0 - 72.961 (median=7.3665 mean=8.41188 std=8.52875)

NNMA114		% Calories from PUFA
N	Value	Description
950	Range	0 - 35.543 (median=3.093 mean=4.6025 std=5.3441)

NNMA115		Polyunsaturated to Saturated Fat Ratio
N	Value	Description
950	Range	0 - 10.333 (median=0.491 mean=0.7934 std=0.9572)

NNMA116		Cholesterol to Saturated Fatty Acid Index
N	Value	Description
950	Range	0 - 109.205 (median=3.839 mean=7.5236 std=10.3483)

NNMA117		Total Vitamin A Activity (Retinol Equivalents) (mcg)
N	Value	Description
950	Range	0 - 6979.448 (median=60.481 mean=186.2872 std=428.3397)

NNMA118		TRANS 18:1 (trans-octadecenoic acid [elaidic acid]) (g)
N	Value	Description
950	Range	0 - 7.432 (median=0.0855 mean=0.33911 std=0.65784)

NNMA119		TRANS 18:2 (trans-octadecadienoic acid [linolelaidic acid]; incl. c-t, t-c, t-t) (g)
N	Value	Description
950	Range	0 - 1.265 (median=0.023 mean=0.0628 std=0.1012)

NNMA120		TRANS 16:1 (trans-hexadecenoic acid) (g)
N	Value	Description
950	Range	0 - 0.21 (median=0 mean=0.0 std=0.0)

NNMA121		Total Trans-Fatty Acids (TRANS) (g)
N	Value	Description
950	Range	0 - 8.913 (median=0.124 mean=0.4217 std=0.7657)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 3 Section A

Section A: NDSR Dietary Intake

NNMA122		User Nutrient 1 (mg)
N	Value	Description
950	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA123		User Nutrient 2 (mg)
N	Value	Description
950	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA124		User Nutrient 3 (mg)
N	Value	Description
950	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA125		User Nutrient 4 (mg)
N	Value	Description
950	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA126		User Nutrient 5 (mg)
N	Value	Description
950	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA127		User Nutrient 6 (mg)
N	Value	Description
950	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA128		User Nutrient 7 (mg)
N	Value	Description
950	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA129		User Nutrient 8 (mg)
N	Value	Description
950	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA130		User Nutrient 9 (mg)
N	Value	Description
950	Range	0 - 0 (median=0 mean=0.0 std=0.0)

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Section A: NDSR Dietary Intake

NNMA131		User Nutrient 10 (mg)
N	Value	Description
950	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA132		Meal Information Notes
N	Value	Description
172	Present	Variable/Text Values Suppressed
778		Missing

NNMA133		Beta-Carotene (provitamin A carotenoid) (mcg)
N	Value	Description
950	Range	0 - 33899.795 (median=26.635 mean=587.3591 std=2021.2367)

NNMA134		Alpha-Carotene (provitamin A carotenoid) (mcg)
N	Value	Description
950	Range	0 - 13926.403 (median=0 mean=138.2 std=697.9)

NNMA135		Beta-Cryptoxanthin (provitamin A carotenoid) (mcg)
N	Value	Description
950	Range	0 - 5328.75 (median=0 mean=35.8 std=211.8)

NNMA136		Lutein + Zeaxanthin (mcg)
N	Value	Description
950	Range	0 - 29298.766 (median=30.5875 mean=250.69177 std=1126.55589)

NNMA137		Lycopene (mcg)
N	Value	Description
950	Range	0 - 38930.298 (median=0 mean=997.8 std=3450.2)

NNMA138		Dietary Folate Equivalents (mcg)
N	Value	Description
950	Range	0 - 1035.74 (median=50.0585 mean=99.78963 std=144.51205)

NNMA139		Natural Folate (food folate) (mcg)
N	Value	Description
950	Range	0 - 860.57 (median=23.6 mean=48.38 std=82.98)

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Section A: NDSR Dietary Intake

NNMA140		Synthetic Folate (folic acid) (mcg)
N	Value	Description
950	Range	0 - 595.728 (median=0 mean=30.2 std=62.7)

NNMA141		Column intentionally left blank
N	Value	Description
950		Missing

NNMA142		Column intentionally left blank
N	Value	Description
950		Missing

NNMA143		Column intentionally left blank
N	Value	Description
950		Missing

NNMA144		User Nutrient 11 (mg)
N	Value	Description
950	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA145		User Nutrient 12 (mg)
N	Value	Description
950	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA146		User Nutrient 13 (mg)
N	Value	Description
950	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA147		User Nutrient 14 (mg)
N	Value	Description
950	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA148		User Nutrient 15 (mg)
N	Value	Description
950	Range	0 - 0 (median=0 mean=0.0 std=0.0)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 3 Section A

Section A: NDSR Dietary Intake

NNMA149		User Nutrient 16 (mg)
N	Value	Description
950	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA150		User Nutrient 17 (mg)
N	Value	Description
950	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA151		User Nutrient 18 (mg)
N	Value	Description
950	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA152		User Nutrient 19 (mg)
N	Value	Description
950	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA153		User Nutrient 20 (mg)
N	Value	Description
950	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA154		Total Vitamin A Activity (Retinol Activity Equivalents) (mcg)
N	Value	Description
950	Range	0 - 3981.417 (median=42.688 mean=130.0934 std=263.0709)

NNMA155		Energy (kj)
N	Value	Description
950	Range	0 - 13431.171 (median=1190.039 mean=1621.3483 std=1664.1614)

NNMA156		Niacin Equivalents (mg)
N	Value	Description
950	Range	0 - 58.988 (median=4.371 mean=7.1160 std=8.3807)

NNMA157		Total Sugars (g)
N	Value	Description
950	Range	0 - 177.089 (median=14.552 mean=21.2259 std=23.8681)

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Section A: NDSR Dietary Intake

NNMA158		<i>Omega-3 Fatty Acids (g)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
950	Range	0 - 9.107 (median=0.118 mean=0.3230 std=0.6265)

NNMA159		<i>Manganese (mg)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
950	Range	0 - 85.149 (median=0.3135 mean=0.66788 std=2.84754)

NNMA160		<i>Vitamin E (International Units) (IU)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
950	Range	0 - 30.453 (median=0.947 mean=2.2699 std=3.5143)

NNMA161		<i>Natural Alpha-Tocopherol (RRR-alpha-tocopherol or d-alpha-tocopherol) (mg)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
950	Range	0 - 18.747 (median=0.6195 mean=1.47631 std=2.25190)

NNMA162		<i>Synthetic Alpha-Tocopherol (all rac-alpha-tocopherol or dl-alpha-tocopherol) (mg)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
950	Range	0 - 27.425 (median=0 mean=0.1 std=1.0)

NNMA163		<i>Daidzein (mg)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
950	Range	0 - 1.11 (median=0 mean=0.0 std=0.1)

NNMA164		<i>Genistein (mg)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
950	Range	0 - 1.504 (median=0 mean=0.0 std=0.1)

NNMA165		<i>Glycitein (mg)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
950	Range	0 - 0.245 (median=0 mean=0.0 std=0.0)

NNMA166		<i>Coumestrol (mg)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
950	Range	0 - 0.594 (median=0 mean=0.0 std=0.0)

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Section A: NDSR Dietary Intake

NNMA167		Biochanin A (mg)
N	Value	Description
950	Range	0 - 6.793 (median=0 mean=0.0 std=0.4)

NNMA168		Formononetin (mg)
N	Value	Description
950	Range	0 - 0.253 (median=0 mean=0.0 std=0.0)

NNMA169		Column intentionally left blank
N	Value	Description
950		Missing

NNMA170		Column intentionally left blank
N	Value	Description
950		Missing

NNMA171		Column intentionally left blank
N	Value	Description
950		Missing

NNMA172		Column intentionally left blank
N	Value	Description
950		Missing

NNMA173		Added Sugars (g)
N	Value	Description
950	Range	0 - 176.982 (median=4.021 mean=13.3324 std=20.7373)

NNMA174		Acesulfame Potassium (mg)
N	Value	Description
950	Range	0 - 57 (median=0 mean=0.2 std=3.0)

NNMA175		Sucralose (mg)
N	Value	Description
950	Range	0 - 3180.684 (median=0 mean=21.0 std=199.7)

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Section A: NDSR Dietary Intake

NNMA176		Available Carbohydrate (g)
N	Value	Description
950	Range	0 - 248.072 (median=34.5515 mean=46.33955 std=45.56481)

NNMA177		Glycemic Index (glucose reference)
N	Value	Description
950	Range	0 - 103.946 (median=58.021 mean=48.9635 std=23.9347)

NNMA178		Glycemic Index (bread reference)
N	Value	Description
950	Range	0 - 148.531 (median=82.9615 mean=69.99010 std=34.21044)

NNMA179		Glycemic Load (glucose reference)
N	Value	Description
950	Range	0 - 174.69 (median=19.423 mean=27.5095 std=28.3342)

NNMA180		Glycemic Load (bread reference)
N	Value	Description
950	Range	0 - 249.662 (median=27.7535 mean=39.32310 std=40.50130)

NNMA181		Choline (mg)
N	Value	Description
950	Range	0 - 551.169 (median=37.1445 mean=62.67326 std=78.46989)

NNMA182		Betaine (mg)
N	Value	Description
950	Range	0 - 329.131 (median=4.7 mean=20.09 std=37.88)

NNMA183		Erythritol (g)
N	Value	Description
950	Range	0 - 0.011 (median=0 mean=0.0 std=0.0)

NNMA184		Inositol (g)
N	Value	Description
950	Range	0 - 1.557 (median=0 mean=0.0 std=0.1)

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Section A: NDSR Dietary Intake

NNMA185		Isomalt (g)
N	Value	Description
950	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA186		Lactitol (g)
N	Value	Description
950	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA187		Maltitol (g)
N	Value	Description
950	Range	0 - 0.003 (median=0 mean=0.0 std=0.0)

NNMA188		Mannitol (g)
N	Value	Description
950	Range	0 - 2.199 (median=0 mean=0.0 std=0.2)

NNMA189		Pinitol (g)
N	Value	Description
950	Range	0 - 0.39 (median=0 mean=0.0 std=0.0)

NNMA190		Sorbitol (g)
N	Value	Description
950	Range	0 - 4.56 (median=0 mean=0.0 std=0.2)

NNMA191		Xylitol (g)
N	Value	Description
950	Range	0 - 0.082 (median=0 mean=0.0 std=0.0)

NNMA192		Nitrogen (g)
N	Value	Description
950	Range	0 - 24.793 (median=1.462 mean=2.5294 std=3.1023)

NNMA193		Total Conjugated Linoleic Acid (CLA 18:2) (g)
N	Value	Description
950	Range	0 - 0.522 (median=0.008 mean=0.0254 std=0.0433)

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Section A: NDSR Dietary Intake

NNMA194		CLA cis-9, trans-11 (g)
N	Value	Description
950	Range	0 - 0.439 (median=0.006 mean=0.0211 std=0.0362)

NNMA195		CLA trans-10, cis-12 (g)
N	Value	Description
950	Range	0 - 0.083 (median=0.001 mean=0.0043 std=0.0077)

NNMA196		Tagatose (mg)
N	Value	Description
950	Range	0 - 15.93 (median=0 mean=0.1 std=0.8)

NNMA197		Vitamin D2 (ergocalciferol) (mcg)
N	Value	Description
950	Range	0 - 3.125 (median=0 mean=0.0 std=0.2)

NNMA198		Vitamin D3 (cholecalciferol) (mcg)
N	Value	Description
950	Range	0 - 26.372 (median=0.129 mean=0.9981 std=2.0072)

SOLNAS_VISIT		SOLNAS study visits: 1,2,3 or 4
N	Value	Description
491	3	visit 3
459	4	visit 4

SOLNAS_STUDY		SOLNAS study: 'M'=SOLNAS Main studies, where visit=1 or 2; 'R'=SOLNAS reliability study, where visit=3 or 4
N	Value	Description
950	R	Reliability Studies

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 3 Section A

Section A: NDSR Dietary Intake

NDSR File 04 (Nutrients at Daily level): FORM CODE=NTI VERSION=A

NTIA1		Project Abbreviation
N	Value	Description
188	Present	Variable/Text Values Suppressed

NTIA3		Date of Intake
N	Value	Description
188	Range	01/16/2012 - 10/01/2012

NTIA4		Project Name
N	Value	Description
188	Present	Variable/Text Values Suppressed

NTIA5		Record Type
N	Value	Description
188	0	Recall

NTIA9		Date of Entry
N	Value	Description
188	Range	01/17/2012 - 10/02/2012

NTIA10		Day of Intake
N	Value	Description
27	0	Sunday
28	1	Monday
28	2	Tuesday
41	3	Wednesday
45	4	Thursday
10	5	Friday
9	6	Saturday

NTIA13		Site ID
N	Value	Description
187	Present	Variable/Text Values Suppressed
1		Missing

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 3 Section A

Section A: NDSR Dietary Intake

NTIA15		Intake Amount
N	Value	Description
141	0	Close to the amount that you usually eat?
12	1	A lot more than usually eat?
35	2	A lot less than usually eat?

NTIA16		Intake Reliability
N	Value	Description
186	0	Reliable
1	1	Unreliable because the participant was unable to recall one or more meals
1	2	Unreliable for other reasons

NTIA17		Data Collected in NCC Database Version
N	Value	Description
188	2011	2011 version

NTIA18		Data Collected in Software Version
N	Value	Description
188	2011	2011 version

NTIA19		Total Grams
N	Value	Description
188	Range	825.285 - 8298.373 (median=2886.0215 mean=3002.98436 std=1218.14355)

NTIA20		Energy (kilocalories)
N	Value	Description
188	Range	556.452 - 5038.219 (median=1779.5035 mean=1958.17002 std=842.46007)

NTIA21		Total Fat (g)
N	Value	Description
188	Range	11.983 - 258.775 (median=63.522 mean=72.0552 std=41.9932)

NTIA22		Total Carbohydrate (g)
N	Value	Description
188	Range	65.388 - 637.421 (median=236.372 mean=252.9898 std=107.4533)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 3 Section A

Section A: NDSR Dietary Intake

NTIA23		Total Protein (g)
N	Value	Description
188	Range	16.717 - 214.86 (median=71.517 mean=78.9794 std=36.4588)

NTIA24		Animal Protein (g)
N	Value	Description
188	Range	0.086 - 170.102 (median=47.805 mean=53.5989 std=30.1006)

NTIA25		Vegetable Protein (g)
N	Value	Description
188	Range	5.051 - 85.226 (median=21.0845 mean=25.38073 std=14.07368)

NTIA26		Alcohol (g)
N	Value	Description
188	Range	0 - 125.209 (median=0 mean=1.2 std=9.6)

NTIA27		Cholesterol (mg)
N	Value	Description
188	Range	0.447 - 1521.172 (median=222.744 mean=272.8384 std=199.5402)

NTIA28		Total Saturated Fatty Acids (SFA) (g)
N	Value	Description
188	Range	2.461 - 96.238 (median=21.008 mean=24.1351 std=14.9056)

NTIA29		Total Monounsaturated Fatty Acids (MUFA) (g)
N	Value	Description
188	Range	5.178 - 107.232 (median=22.442 mean=27.4168 std=18.0953)

NTIA30		Total Polyunsaturated Fatty Acids (PUFA) (g)
N	Value	Description
188	Range	1.739 - 68.691 (median=11.0575 mean=14.54020 std=11.01694)

NTIA31		Fructose (g)
N	Value	Description
188	Range	0.227 - 100.346 (median=17.8015 mean=22.91863 std=18.04457)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 3 Section A

Section A: NDSR Dietary Intake

NTIA32		Galactose (g)
N	Value	Description
188	Range	0 - 6.611 (median=0.08 mean=0.280 std=0.744)

NTIA33		Glucose (g)
N	Value	Description
188	Range	0.27 - 93.189 (median=17.165 mean=22.4186 std=17.3054)

NTIA34		Lactose (g)
N	Value	Description
188	Range	0 - 73.409 (median=10.25 mean=12.697 std=13.161)

NTIA35		Maltose (g)
N	Value	Description
188	Range	0.01 - 13.282 (median=1.2405 mean=2.07572 std=2.17109)

NTIA36		Sucrose (g)
N	Value	Description
188	Range	0.935 - 227.831 (median=40.8875 mean=46.86892 std=35.95504)

NTIA37		Starch (g)
N	Value	Description
188	Range	8.668 - 280.885 (median=96.775 mean=111.2756 std=60.5573)

NTIA38		Total Dietary Fiber (g)
N	Value	Description
188	Range	1.768 - 77.727 (median=15.799 mean=18.5333 std=11.6317)

NTIA39		Soluble Dietary Fiber (g)
N	Value	Description
188	Range	0.515 - 21.512 (median=4.6875 mean=5.71490 std=3.83650)

NTIA40		Insoluble Dietary Fiber (g)
N	Value	Description
188	Range	0.95 - 64.342 (median=10.741 mean=12.6910 std=8.7873)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 3 Section A

Section A: NDSR Dietary Intake

NTIA41		Pectins (g)
N	Value	Description
188	Range	0.056 - 10.533 (median=1.7975 mean=2.47048 std=1.93412)

NTIA42		Total Vitamin A Activity (International Units)
N	Value	Description
188	Range	332.357 - 70072.88 (median=3947.3595 mean=6923.44620 std=9006.42883)

NTIA43		Beta-Carotene Equivalents (derived from provitamin A carotenoids) (mcg)
N	Value	Description
188	Range	20.565 - 41008.77 (median=1629.975 mean=3407.5003 std=5357.8324)

NTIA44		Retinol (mcg)
N	Value	Description
188	Range	0 - 4079.304 (median=321.371 mean=373.4282 std=384.6243)

NTIA45		Vitamin D (calciferol) (mcg)
N	Value	Description
188	Range	0.003 - 33.246 (median=4.0995 mean=5.09284 std=4.79981)

NTIA46		Total Alpha-Tocopherol Equivalents (see columns 171-173) (mg)
N	Value	Description
188	Range	0.919 - 33.876 (median=7.1605 mean=9.06003 std=6.35518)

NTIA47		Vitamin E (Total Alpha-Tocopherol) (see columns 171-173) (mg)
N	Value	Description
188	Range	0.828 - 30.687 (median=6.244 mean=7.6212 std=5.4317)

NTIA48		Beta-Tocopherol (mg)
N	Value	Description
188	Range	0.009 - 3.094 (median=0.224 mean=0.3175 std=0.3235)

NTIA49		Gamma-Tocopherol (mg)
N	Value	Description
188	Range	0.362 - 70.752 (median=7.536 mean=10.9003 std=10.8016)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 3 Section A

Section A: NDSR Dietary Intake

NTIA50		Delta-Tocopherol (mg)
N	Value	Description
188	Range	0.005 - 17.495 (median=1.7305 mean=2.50561 std=2.88588)

NTIA51		Vitamin K (phylloquinone) (mcg)
N	Value	Description
188	Range	1.679 - 1197.003 (median=52.7065 mean=88.57436 std=131.07743)

NTIA52		Vitamin C (ascorbic acid) (mg)
N	Value	Description
188	Range	0 - 524.715 (median=77.298 mean=102.6791 std=91.4226)

NTIA53		Thiamin (vitamin B1) (mg)
N	Value	Description
188	Range	0.456 - 4.877 (median=1.432 mean=1.6069 std=0.7937)

NTIA54		Riboflavin (vitamin B2) (mg)
N	Value	Description
188	Range	0.466 - 5.311 (median=1.609 mean=1.7744 std=0.8384)

NTIA55		Niacin (vitamin B3) (mg)
N	Value	Description
188	Range	3.92 - 66.206 (median=18.309 mean=21.0846 std=10.8154)

NTIA56		Pantothenic Acid (mg)
N	Value	Description
188	Range	0.955 - 14.572 (median=4.708 mean=4.9882 std=2.1750)

NTIA57		Vitamin B6 (pyridoxine, pyridoxyl, and pyridoxamine) (mg)
N	Value	Description
188	Range	0.208 - 12.372 (median=1.626 mean=1.8482 std=1.1738)

NTIA58		Total Folate (see columns 149-151) (mcg)
N	Value	Description
188	Range	73.837 - 1450.182 (median=325.578 mean=397.2723 std=250.3044)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 3 Section A

Section A: NDSR Dietary Intake

NTIA59		Vitamin B12 (cobalamin) (mcg)
N	Value	Description
188	Range	0.003 - 26.781 (median=3.6585 mean=4.23882 std=3.72970)

NTIA60		Calcium (mg)
N	Value	Description
188	Range	86.686 - 2667.443 (median=789.6965 mean=834.23601 std=439.77566)

NTIA61		Phosphorus (mg)
N	Value	Description
188	Range	290.55 - 3900.466 (median=1070.039 mean=1185.6759 std=532.9110)

NTIA62		Magnesium (mg)
N	Value	Description
188	Range	73.692 - 736.462 (median=263.7255 mean=292.03107 std=134.79382)

NTIA63		Iron (mg)
N	Value	Description
188	Range	2.833 - 44.619 (median=11.7855 mean=14.02361 std=8.33829)

NTIA64		Zinc (mg)
N	Value	Description
188	Range	2.616 - 41.267 (median=9.5085 mean=10.65253 std=5.61418)

NTIA65		Copper (mg)
N	Value	Description
188	Range	0.327 - 5.071 (median=1.1265 mean=1.26106 std=0.67006)

NTIA66		Selenium (mcg)
N	Value	Description
188	Range	29.417 - 372.863 (median=96.016 mean=110.3215 std=57.8434)

NTIA67		Sodium (mg)
N	Value	Description
188	Range	536.375 - 8969.358 (median=2819.1355 mean=3177.68956 std=1716.63488)

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Section A: NDSR Dietary Intake

NTIA68		Potassium (mg)
N	Value	Description
188	Range	375.147 - 5734.817 (median=2278.631 mean=2557.1244 std=1143.8658)

NTIA69		SFA 4:0 (butyric acid) (g)
N	Value	Description
188	Range	0 - 2.777 (median=0.428 mean=0.5257 std=0.4790)

NTIA70		SFA 6:0 (caproic acid) (g)
N	Value	Description
188	Range	0 - 1.674 (median=0.212 mean=0.2890 std=0.2802)

NTIA71		SFA 8:0 (caprylic acid) (g)
N	Value	Description
188	Range	0 - 2.742 (median=0.179 mean=0.2649 std=0.3286)

NTIA72		SFA 10:0 (capric acid) (g)
N	Value	Description
188	Range	0 - 3.032 (median=0.326 mean=0.4441 std=0.4201)

NTIA73		SFA 12:0 (lauric acid) (g)
N	Value	Description
188	Range	0.003 - 18.708 (median=0.3855 mean=0.91442 std=2.02373)

NTIA74		SFA 14:0 (myristic acid) (g)
N	Value	Description
188	Range	0.035 - 11.481 (median=1.8035 mean=2.09831 std=1.67767)

NTIA75		SFA 16:0 (palmitic acid) (g)
N	Value	Description
188	Range	1.721 - 49.526 (median=11.596 mean=13.1947 std=7.5836)

NTIA76		SFA 17:0 (margaric acid) (g)
N	Value	Description
188	Range	0 - 0.736 (median=0.0485 mean=0.08782 std=0.10645)

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Section A: NDSR Dietary Intake

NTIA77		SFA 18:0 (stearic acid) (g)
N	Value	Description
188	Range	0.535 - 22.567 (median=4.8065 mean=5.75755 std=3.82830)

NTIA78		SFA 20:0 (arachidic acid) (g)
N	Value	Description
188	Range	0.003 - 0.692 (median=0.0905 mean=0.11791 std=0.10073)

NTIA79		SFA 22:0 (behenic acid) (g)
N	Value	Description
188	Range	0 - 0.439 (median=0.042 mean=0.0689 std=0.0810)

NTIA80		MUFA 14:1 (myristoleic acid) (g)
N	Value	Description
188	Range	0 - 0.557 (median=0.0445 mean=0.07696 std=0.09504)

NTIA81		MUFA 16:1 (palmitoleic acid) (g)
N	Value	Description
188	Range	0.183 - 5.848 (median=1.046 mean=1.2181 std=0.7959)

NTIA82		MUFA 18:1 (oleic acid) (g)
N	Value	Description
188	Range	4.567 - 103.778 (median=20.582 mean=25.6493 std=17.1929)

NTIA83		MUFA 20:1 (gadoleic acid) (g)
N	Value	Description
188	Range	0.003 - 1.983 (median=0.151 mean=0.2107 std=0.2156)

NTIA84		MUFA 22:1 (erucic acid) (g)
N	Value	Description
188	Range	0 - 0.716 (median=0.002 mean=0.0194 std=0.0703)

NTIA85		PUFA 18:2 (linoleic acid) (g)
N	Value	Description
188	Range	1.366 - 59.506 (median=9.4805 mean=12.69090 std=9.65462)

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Section A: NDSR Dietary Intake

NTIA86		PUFA 18:3 (linolenic acid) (g)
N	Value	Description
188	Range	0.179 - 9.71 (median=1.128 mean=1.4823 std=1.3728)

NTIA87		PUFA 18:4 (parinaric acid) (g)
N	Value	Description
188	Range	0 - 0.09 (median=0 mean=0.0 std=0.0)

NTIA88		PUFA 20:4 (arachidonic acid) (g)
N	Value	Description
188	Range	0 - 0.804 (median=0.115 mean=0.1476 std=0.1331)

NTIA89		PUFA 20:5 (eicosapentaenoic acid [EPA]) (g)
N	Value	Description
188	Range	0 - 0.789 (median=0.004 mean=0.0396 std=0.1064)

NTIA90		PUFA 22:5 (docosapentaenoic acid [DPA]) (g)
N	Value	Description
188	Range	0 - 0.34 (median=0.009 mean=0.0208 std=0.0382)

NTIA91		PUFA 22:6 (docosahexaenoic acid [DHA]) (g)
N	Value	Description
188	Range	0 - 2.599 (median=0.03 mean=0.086 std=0.243)

NTIA92		Tryptophan (g)
N	Value	Description
188	Range	0.19 - 2.382 (median=0.8205 mean=0.89245 std=0.39129)

NTIA93		Threonine (g)
N	Value	Description
188	Range	0.604 - 8.696 (median=2.709 mean=3.0270 std=1.4293)

NTIA94		Isoleucine (g)
N	Value	Description
188	Range	0.695 - 9.703 (median=3.214 mean=3.5821 std=1.6762)

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Section A: NDSR Dietary Intake

NTIA95		Leucine (g)
N	Value	Description
188	Range	1.169 - 18.467 (median=5.6215 mean=6.18291 std=2.90611)

NTIA96		Lysine (g)
N	Value	Description
188	Range	0.751 - 15.864 (median=4.8135 mean=5.36386 std=2.75561)

NTIA97		Methionine (g)
N	Value	Description
188	Range	0.293 - 5.139 (median=1.5995 mean=1.80398 std=0.88641)

NTIA98		Cystine (g)
N	Value	Description
188	Range	0.285 - 3.111 (median=1.02 mean=1.138 std=0.530)

NTIA99		Phenylalanine (g)
N	Value	Description
188	Range	0.777 - 9.483 (median=3.0895 mean=3.47534 std=1.59287)

NTIA100		Tyrosine (g)
N	Value	Description
188	Range	0.516 - 8.04 (median=2.443 mean=2.6883 std=1.2477)

NTIA101		Valine (g)
N	Value	Description
188	Range	0.787 - 11.05 (median=3.6835 mean=4.03876 std=1.86806)

NTIA102		Arginine (g)
N	Value	Description
188	Range	0.83 - 13.883 (median=3.9375 mean=4.44827 std=2.29545)

NTIA103		Histidine (g)
N	Value	Description
188	Range	0.391 - 6.951 (median=2.018 mean=2.1916 std=1.0770)

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Section A: NDSR Dietary Intake

NTIA104		Alanine (g)
N	Value	Description
188	Range	0.725 - 15.158 (median=3.3825 mean=3.88587 std=2.07874)

NTIA105		Aspartic Acid (g)
N	Value	Description
188	Range	1.201 - 19.603 (median=6.301 mean=7.0604 std=3.3069)

NTIA106		Glutamic Acid (g)
N	Value	Description
188	Range	4.051 - 36.893 (median=13.226 mean=14.7477 std=6.5496)

NTIA107		Glycine (g)
N	Value	Description
188	Range	0.654 - 25.199 (median=2.945 mean=3.4876 std=2.3595)

NTIA108		Proline (g)
N	Value	Description
188	Range	1.294 - 18.964 (median=4.54 mean=4.965 std=2.445)

NTIA109		Serine (g)
N	Value	Description
188	Range	0.805 - 9.519 (median=3.2125 mean=3.56157 std=1.66177)

NTIA110		Aspartame (mg)
N	Value	Description
188	Range	0 - 240 (median=0 mean=6.4 std=29.8)

NTIA111		Saccharin (mg)
N	Value	Description
188	Range	0 - 36.625 (median=0 mean=0.3 std=3.2)

NTIA112		Caffeine (mg)
N	Value	Description
188	Range	0 - 621.203 (median=66.2125 mean=98.76773 std=112.20959)

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Section A: NDSR Dietary Intake

NTIA113		Phytic Acid (mg)
N	Value	Description
188	Range	41.685 - 2998.915 (median=485.678 mean=626.6836 std=459.8518)

NTIA114		Oxalic Acid (mg)
N	Value	Description
188	Range	12.566 - 3820.501 (median=97.23 mean=200.363 std=373.761)

NTIA115		3-Methylhistidine (mg)
N	Value	Description
188	Range	0 - 68.992 (median=17.279 mean=19.0462 std=14.1667)

NTIA116		Sucrose Polyester (g)
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA117		Ash (g)
N	Value	Description
188	Range	4.966 - 42.804 (median=16.1395 mean=17.40962 std=6.97996)

NTIA118		Water (g)
N	Value	Description
188	Range	614.619 - 7873.693 (median=2496.1055 mean=2624.02927 std=1155.92312)

NTIA119		% Calories from Fat
N	Value	Description
188	Range	9.574 - 55.247 (median=31.007 mean=31.4506 std=8.3069)

NTIA120		% Calories from Carbohydrate
N	Value	Description
188	Range	23.516 - 77.886 (median=51.9725 mean=51.56031 std=9.42799)

NTIA121		% Calories from Protein
N	Value	Description
188	Range	6.591 - 33.669 (median=16.291 mean=16.5513 std=4.7961)

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Section A: NDSR Dietary Intake

NTIA122		% Calories from Alcohol
N	Value	Description
188	Range	0 - 42.435 (median=0 mean=0.4 std=3.4)

NTIA123		% Calories from SFA
N	Value	Description
188	Range	2.528 - 26.282 (median=10.3425 mean=10.64979 std=3.93626)

NTIA124		% Calories from MUFA
N	Value	Description
188	Range	3.122 - 28.76 (median=11.698 mean=11.8624 std=4.2193)

NTIA125		% Calories from PUFA
N	Value	Description
188	Range	1.644 - 20.331 (median=5.526 mean=6.2744 std=2.9582)

NTIA126		Polyunsaturated to Saturated Fat Ratio
N	Value	Description
188	Range	0.115 - 2.392 (median=0.555 mean=0.6798 std=0.4189)

NTIA127		Cholesterol to Saturated Fatty Acid Index
N	Value	Description
188	Range	4.727 - 149.077 (median=34.8745 mean=38.01833 std=22.57750)

NTIA128		Total Vitamin A Activity (Retinol Equivalents) (mcg)
N	Value	Description
188	Range	47.362 - 7352.419 (median=646.324 mean=941.3450 std=968.0568)

NTIA129		18:1 TRANS (trans-octadecenoic acid [elaidic acid]) (g)
N	Value	Description
188	Range	0.043 - 12.984 (median=1.3245 mean=1.71359 std=1.60118)

NTIA130		18:2 TRANS (trans-octadecadienoic acid [linolelaidic acid]) (g)
N	Value	Description
188	Range	0.006 - 1.513 (median=0.2735 mean=0.31739 std=0.23197)

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Section A: NDSR Dietary Intake

NTIA131		16:1 TRANS (trans-hexadecenoic acid) (g)
N	Value	Description
188	Range	0 - 0.229 (median=0.0225 mean=0.03864 std=0.04443)

NTIA132		Total Trans-Fatty Acids (TRANS) (g)
N	Value	Description
188	Range	0.055 - 14.738 (median=1.689 mean=2.1310 std=1.8396)

NTIA133		User Nutrient #1 (mg)
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA134		User Nutrient #2 (mg)
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA135		User Nutrient #3 (mg)
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA136		User Nutrient #4 (mg)
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA137		User Nutrient #5 (mg)
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA138		User Nutrient #6 (mg)
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA139		User Nutrient #7 (mg)
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

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Section A: NDSR Dietary Intake

NTIA140		User Nutrient #8 (mg)
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA141		User Nutrient #9 (mg)
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA142		User Nutrient #10 (mg)
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA143		Notes from the Header Tab (up to 200 characters)
N	Value	Description
187	Present	Variable/Text Values Suppressed
1		Missing

NTIA144		Beta-Carotene (provitamin A carotenoid) (mcg)
N	Value	Description
188	Range	20.481 - 34020.37 (median=1355.418 mean=2968.0377 std=4645.2088)

NTIA145		Alpha-Carotene (provitamin A carotenoid) (mcg)
N	Value	Description
188	Range	0 - 13955.9 (median=124.3105 mean=698.24240 std=1543.59415)

NTIA146		Beta-Cryptoxanthin (provitamin A carotenoid) (mcg)
N	Value	Description
188	Range	0 - 5364.09 (median=36.2305 mean=180.68327 std=495.07080)

NTIA147		Lutein + Zeaxanthin (mcg)
N	Value	Description
188	Range	5.59 - 30110.08 (median=617.41 mean=1266.793 std=2553.033)

NTIA148		Lycopene (mcg)
N	Value	Description
188	Range	0 - 56177.4 (median=2010.037 mean=5042.2225 std=7902.0720)

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Section A: NDSR Dietary Intake

NTIA149		Dietary Folate Equivalents (mcg)
N	Value	Description
188	Range	89.615 - 1712.421 (median=405.2915 mean=504.25612 std=321.53388)

NTIA150		Natural Folate (food folate) (mcg)
N	Value	Description
188	Range	23.73 - 1117.278 (median=185.8175 mean=244.48075 std=190.01119)

NTIA151		Synthetic Folate (folic acid) (mcg)
N	Value	Description
188	Range	0 - 813.152 (median=116.854 mean=152.8071 std=136.4343)

NTIA152		Data Generated in NCC Database Version (see column 17)
N	Value	Description
188	Range	2011 - 2011 (median=2011 mean=2011.0 std=0.0)

NTIA153		Data Generated in Software Version (see column 18)
N	Value	Description
188	Range	2011 - 2011 (median=2011 mean=2011.0 std=0.0)

NTIA154		Notes from the Trailer Tab (up to 200 characters)
N	Value	Description
77	Present	Variable/Text Values Suppressed
111		Missing

NTIA155		User Nutrient #11 (mg)
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA156		User Nutrient #12 (mg)
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

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Section A: NDSR Dietary Intake

NTIA157		User Nutrient #13 (mg)
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA158		User Nutrient #14 (mg)
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA159		User Nutrient #15 (mg)
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA160		User Nutrient #16 (mg)
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA161		User Nutrient #17 (mg)
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA162		User Nutrient #18 (mg)
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA163		User Nutrient #19 (mg)
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA164		User Nutrient #20 (mg)
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA165		Total Vitamin A Activity (Retinol Activity Equivalents) (mcg)
N	Value	Description
188	Range	34.281 - 4109.056 (median=513.2585 mean=657.38662 std=585.82009)

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Section A: NDSR Dietary Intake

NTIA166		Energy (kilojoules-kj)
N	Value	Description
188	Range	2328.197 - 21079.9 (median=7445.4425 mean=8192.98203 std=3524.85133)

NTIA167		Niacin Equivalents (mg)
N	Value	Description
188	Range	8.157 - 91.33 (median=32.0875 mean=35.95869 std=16.08586)

NTIA168		Total Sugars (g)
N	Value	Description
188	Range	10.675 - 386.267 (median=97.6815 mean=107.25879 std=60.20590)

NTIA169		Omega-3 Fatty Acids (g)
N	Value	Description
188	Range	0.201 - 9.756 (median=1.212 mean=1.6323 std=1.4675)

NTIA170		Manganese (mg)
N	Value	Description
188	Range	0.374 - 87.128 (median=2.3995 mean=3.37487 std=6.38278)

NTIA171		Vitamin E (International Units-IU)
N	Value	Description
188	Range	1.217 - 45.779 (median=9.3025 mean=11.47023 std=8.23603)

NTIA172		Natural Alpha-Tocopherol (RRR-alpha-tocopherol or d-alpha-tocopherol) (mg)
N	Value	Description
188	Range	0.828 - 30.687 (median=5.9935 mean=7.46002 std=5.39305)

NTIA173		Synthetic Alpha-Tocopherol(all rac-alpha-tocopherol or dl-alpha-tocopherol) (mg)
N	Value	Description
188	Range	0 - 27.425 (median=0 mean=0.4 std=2.3)

NTIA174		Daidzein (mg)
N	Value	Description
188	Range	0 - 1.11 (median=0.055 mean=0.0977 std=0.1452)

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Section A: NDSR Dietary Intake

NTIA175		Genistein (mg)
N	Value	Description
188	Range	0 - 1.671 (median=0.0475 mean=0.13457 std=0.24201)

NTIA176		Glycitein (mg)
N	Value	Description
188	Range	0 - 0.245 (median=0 mean=0.0 std=0.0)

NTIA177		Coumestrol (mg)
N	Value	Description
188	Range	0 - 0.759 (median=0.033 mean=0.0646 std=0.0946)

NTIA178		Biochanin A (mg)
N	Value	Description
188	Range	0 - 6.793 (median=0 mean=0.2 std=0.8)

NTIA179		Formononetin (mg)
N	Value	Description
188	Range	0 - 0.253 (median=0 mean=0.0 std=0.0)

NTIA180		Column intentionally left blank
N	Value	Description
188		Missing

NTIA181		Column intentionally left blank (NTIA181)
N	Value	Description
188		Missing

NTIA182		Column intentionally left blank
N	Value	Description
188		Missing

NTIA183		Column intentionally left blank
N	Value	Description
188		Missing

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 3 Section A

Section A: NDSR Dietary Intake

NTIA184		Added Sugars (g)
N	Value	Description
188	Range	0 - 297.085 (median=51.51 mean=67.371 std=55.141)

NTIA185		Acesulfame Potassium (mg)
N	Value	Description
188	Range	0 - 57 (median=0 mean=1.2 std=6.6)

NTIA186		Sucralose (mg)
N	Value	Description
188	Range	0 - 3180.684 (median=0 mean=106.0 std=469.4)

NTIA187		Available Carbohydrate (g)
N	Value	Description
188	Range	56.05 - 615.223 (median=216.479 mean=234.1627 std=101.2417)

NTIA188		Glycemic Index (glucose reference)
N	Value	Description
188	Range	36.58 - 73.258 (median=59.344 mean=59.1357 std=5.5500)

NTIA189		Glycemic Index (bread reference)
N	Value	Description
188	Range	52.282 - 104.682 (median=84.827 mean=84.5301 std=7.9322)

NTIA190		Glycemic Load (glucose reference)
N	Value	Description
188	Range	37.415 - 391.971 (median=128.1905 mean=139.01081 std=63.01394)

NTIA191		Glycemic Load (bread reference)
N	Value	Description
188	Range	53.476 - 560.117 (median=183.2095 mean=198.70705 std=90.07227)

NTIA192		Choline (mg)
N	Value	Description
188	Range	65.623 - 1042.377 (median=297.47 mean=316.700 std=153.155)

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Section A: NDSR Dietary Intake

NTIA193		Betaine (mg)
N	Value	Description
188	Range	5.428 - 511.658 (median=72.4005 mean=101.53774 std=89.00774)

NTIA194		Erythritol (g)
N	Value	Description
188	Range	0 - 0.011 (median=0 mean=0.0 std=0.0)

NTIA195		Inositol (g)
N	Value	Description
188	Range	0 - 1.99 (median=0.0335 mean=0.12787 std=0.24606)

NTIA196		Isomalt (g)
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA197		Lactitol (g)
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA198		Maltitol (g)
N	Value	Description
188	Range	0 - 0.003 (median=0 mean=0.0 std=0.0)

NTIA199		Mannitol (g)
N	Value	Description
188	Range	0 - 2.391 (median=0.112 mean=0.2515 std=0.3869)

NTIA200		Pinitol (g)
N	Value	Description
188	Range	0 - 0.425 (median=0 mean=0.0 std=0.0)

NTIA201		Sorbitol (g)
N	Value	Description
188	Range	0 - 4.56 (median=0.019 mean=0.2234 std=0.5946)

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Section A: NDSR Dietary Intake

NTIA202		Xylitol (g)
N	Value	Description
188	Range	0 - 0.099 (median=0.007 mean=0.0132 std=0.0173)

SOLNAS_VISIT		SOLNAS study visits: 1,2,3 or 4
N	Value	Description
97	3	visit 3
91	4	visit 4

SOLNAS_STUDY		SOLNAS study: 'M'=SOLNAS Main studies, where visit=1 or 2; 'R'=SOLNAS reliability study, where visit=3 or 4
N	Value	Description
188	R	Reliability Studies

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 3 Section A

Section A: NDSR Dietary Intake

NDSR File 09 (Food Group Servings at the Daily Totals Level): FORM CODE=N09 VERSION=A

N09A1		Project Abbreviation
N	Value	Description
188	Present	Variable/Text Values Suppressed

N09A2		Participant ID: (Refer to ID)
N	Value	Description
188		Missing

N09A3		Date of menu
N	Value	Description
188	Range	01/16/2012 - 10/01/2012

***All following variables are measured in servings/day.

N09A4		FRU0100 Citrus Juice
N	Value	Description
188	Range	0 - 11.5 (median=0 mean=0.5 std=1.4)

N09A5		FRU0200 Fruit Juice excluding Citrus Juice
N	Value	Description
188	Range	0 - 7.5 (median=0 mean=0.1 std=0.6)

N09A6		FRU0300 Citrus Fruit
N	Value	Description
188	Range	0 - 5.188 (median=0 mean=0.2 std=0.6)

N09A7		FRU0400 Fruit excluding Citrus Fruit
N	Value	Description
188	Range	0 - 9.488 (median=0 mean=1.0 std=1.5)

N09A8		FRU0500 Avocado and Similar
N	Value	Description
188	Range	0 - 2.48 (median=0 mean=0.1 std=0.3)

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Section A: NDSR Dietary Intake

N09A9		FRU0600 Fried Fruits
N	Value	Description
188	Range	0 - 4.324 (median=0 mean=0.1 std=0.6)

N09A10		FRU0700 Fruit-based Savory Snack
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A11		VEG0100 Dark-green Vegetables
N	Value	Description
188	Range	0 - 4.216 (median=0 mean=0.2 std=0.7)

N09A12		VEG0200 Deep-yellow Vegetables
N	Value	Description
188	Range	0 - 6.557 (median=0 mean=0.3 std=0.7)

N09A13		VEG0300 Tomato
N	Value	Description
188	Range	0 - 5.766 (median=0.3165 mean=0.53406 std=0.79439)

N09A14		VEG0400 White Potatoes
N	Value	Description
188	Range	0 - 3.606 (median=0 mean=0.3 std=0.6)

N09A15		VEG0800 Fried Potatoes
N	Value	Description
188	Range	0 - 7.552 (median=0 mean=0.2 std=0.7)

N09A16		VEG0450 Other Starchy Vegetables
N	Value	Description
188	Range	0 - 4.503 (median=0.002 mean=0.1446 std=0.4948)

N09A17		VEG0700 Legumes (cooked dried beans)
N	Value	Description
188	Range	0 - 5.941 (median=0 mean=0.6 std=1.1)

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N09A18		VEG0600 Other Vegetables
N	Value	Description
188	Range	0 - 11.59 (median=0.4975 mean=0.87177 std=1.21412)

N09A19		VEG0900 Fried Vegetables
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A20		VEG0500 Vegetable Juice
N	Value	Description
188	Range	0 - 3 (median=0 mean=0.1 std=0.4)

N09A21		FMC0100 Vegetable-based Savory Snack
N	Value	Description
188	Range	0 - 1 (median=0 mean=0.0 std=0.1)

N09A22		GRW0100 Grains, Flour and Dry Mixes - Whole Grain
N	Value	Description
188	Range	0 - 7.5 (median=0 mean=0.3 std=0.9)

N09A23		GRS0100 Grains, Flour and Dry Mixes - Some Whole Grain
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A24		GRR0100 Grains, Flour and Dry Mixes - Refined Grain
N	Value	Description
188	Range	0 - 11.236 (median=1 mean=2.0 std=2.6)

N09A25		GRW0200 Loaf-type Bread and Plain Rolls - Whole Grain
N	Value	Description
188	Range	0 - 5 (median=0 mean=0.2 std=0.7)

N09A26		GRS0200 Loaf-type Bread and Plain Rolls - Some Whole Grain
N	Value	Description
188	Range	0 - 4 (median=0 mean=0.2 std=0.6)

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N09A27		GRR0200 Loaf-type Bread and Plain Rolls - Refined Grain
N	Value	Description
188	Range	0 - 11.239 (median=0 mean=1.1 std=1.9)

N09A28		GRW0300 Other Breads (quick breads, corn muffins, tortillas) - Whole Grain
N	Value	Description
188	Range	0 - 10.159 (median=0 mean=0.5 std=1.4)

N09A29		GRS0300 Other Breads (quick breads, corn muffins, tortillas) - Some Whole Grain
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A30		GRR0300 Other Breads (quick breads, corn muffins, tortillas) - Refined Grain
N	Value	Description
188	Range	0 - 10.018 (median=0 mean=0.5 std=1.6)

N09A31		GRW0400 Crackers - Whole Grain
N	Value	Description
188	Range	0 - 1.317 (median=0 mean=0.0 std=0.1)

N09A32		GRS0400 Crackers - Some Whole Grain
N	Value	Description
188	Range	0 - 0.847 (median=0 mean=0.0 std=0.1)

N09A33		GRR0400 Crackers - Refined Grain
N	Value	Description
188	Range	0 - 1.27 (median=0 mean=0.1 std=0.2)

N09A34		GRW0500 Pasta - Whole Grain
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A35		GRS0500 Pasta - Some Whole Grain
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

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N09A36		GRR0500 Pasta - Refined Grain
N	Value	Description
188	Range	0 - 6.25 (median=0 mean=0.4 std=1.1)

N09A37		GRW0600 Ready-to-eat Cereal (not presweetened) - Whole Grain
N	Value	Description
188	Range	0 - 4.762 (median=0 mean=0.1 std=0.5)

N09A38		GRS0600 Ready-to-eat Cereal (not presweetened) - Some Whole Grain
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A39		GRR0600 Ready-to-eat Cereal (not presweetened) - Refined Grain
N	Value	Description
188	Range	0 - 1.481 (median=0 mean=0.0 std=0.2)

N09A40		GRW0700 Ready-to-eat Cereal (presweetened) - Whole Grain
N	Value	Description
188	Range	0 - 2.634 (median=0 mean=0.1 std=0.4)

N09A41		GRS0700 Ready-to-eat Cereal (presweetened) - Some Whole Grain
N	Value	Description
188	Range	0 - 2.257 (median=0 mean=0.0 std=0.2)

N09A42		GRR0700 Ready-to-eat Cereal (presweetened) - Refined Grain
N	Value	Description
188	Range	0 - 1.058 (median=0 mean=0.0 std=0.1)

N09A43		GRW0800 Cakes, Cookies, Pies, Pastries, Danish, Doughnuts and Cobblers - Whole Grain
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A44		GRS0800 Cakes, Cookies, Pies, Pastries, Danish, Doughnuts and Cobblers - Some Whole Grain
N	Value	Description
188	Range	0 - 1.572 (median=0 mean=0.0 std=0.1)

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N09A45		GRR0800 Cakes, Cookies, Pies, Pastries, Danish, Doughnuts and Cobblers - Refined Grain
N	Value	Description
188	Range	0 - 6.75 (median=0 mean=0.4 std=1.0)

N09A46		GRW1000 Snack Bars - Whole Grain
N	Value	Description
188	Range	0 - 0.875 (median=0 mean=0.0 std=0.1)

N09A47		GRS1000 Snack Bars - Some Whole Grain
N	Value	Description
188	Range	0 - 1 (median=0 mean=0.0 std=0.1)

N09A48		GRR1000 Snack Bars - Refined Grain
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A49		GRW0900 Snack Chips - Whole Grain
N	Value	Description
188	Range	0 - 2.727 (median=0 mean=0.1 std=0.3)

N09A50		GRS0900 Snack Chips - Some Whole Grain
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A51		GRR0900 Snack Chips - Refined Grain
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A52		GRW1100 Popcorn
N	Value	Description
188	Range	0 - 3.852 (median=0 mean=0.0 std=0.3)

N09A53		GRW1200 Flavored Popcorn
N	Value	Description
188	Range	0 - 0.485 (median=0 mean=0.0 std=0.0)

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N09A54		GRO0100 Baby Food Grain Mixtures
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A55		MRF0100 Beef
N	Value	Description
188	Range	0 - 12.111 (median=0 mean=0.8 std=1.8)

N09A56		MRL0100 Lean Beef
N	Value	Description
188	Range	0 - 7.09 (median=0 mean=0.4 std=1.3)

N09A57		MRF0200 Veal
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A58		MRL0200 Lean Veal
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A59		MRF0300 Lamb
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A60		MRL0300 Lean Lamb
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A61		MRF0400 Fresh Pork
N	Value	Description
188	Range	0 - 9.453 (median=0 mean=0.3 std=1.3)

N09A62		MRL0400 Lean Fresh Pork
N	Value	Description
188	Range	0 - 5.573 (median=0 mean=0.2 std=0.8)

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N09A63		MCF0200 Cured Pork
N	Value	Description
188	Range	0 - 5.202 (median=0 mean=0.2 std=0.5)

N09A64		MCL0200 Lean Cured Pork
N	Value	Description
188	Range	0 - 5.498 (median=0 mean=0.1 std=0.4)

N09A65		MRF0500 Game
N	Value	Description
188	Range	0 - 1.215 (median=0 mean=0.0 std=0.1)

N09A66		MPF0100 Poultry
N	Value	Description
188	Range	0 - 8.748 (median=0 mean=0.2 std=0.9)

N09A67		MPL0100 Lean Poultry
N	Value	Description
188	Range	0 - 9.598 (median=0 mean=1.4 std=2.1)

N09A68		MPF0200 Fried Chicken - Commercial Entrée and Fast Food
N	Value	Description
188	Range	0 - 4.092 (median=0 mean=0.1 std=0.4)

N09A69		MFF0100 Fish - Fresh and Smoked
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A70		MFL0100 Lean Fish - Fresh and Smoked
N	Value	Description
188	Range	0 - 12.035 (median=0 mean=0.6 std=1.9)

N09A71		MFF0200 Fried Fish - Commercial Entrée and Fast Food
N	Value	Description
188	Range	0 - 2.011 (median=0 mean=0.0 std=0.1)

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N09A72		MSL0100 Shellfish
N	Value	Description
188	Range	0 - 7.5 (median=0 mean=0.1 std=0.8)

N09A73		MSF0100 Fried Shellfish - Commercial Entrée and Fast Food
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A74		MCF0100 Cold Cuts and Sausage
N	Value	Description
188	Range	0 - 12.269 (median=0 mean=0.3 std=1.1)

N09A75		MCL0100 Lean Cold Cuts and Sausage
N	Value	Description
188	Range	0 - 4.444 (median=0 mean=0.3 std=0.7)

N09A76		MOF0100 Organ Meats
N	Value	Description
188	Range	0 - 3.527 (median=0 mean=0.0 std=0.3)

N09A77		MOF0200 Baby Food Meat Mixtures
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A78		FMC0200 Meat-based Savory Snack
N	Value	Description
188	Range	0 - 5.815 (median=0 mean=0.0 std=0.4)

N09A79		MOF0300 Eggs
N	Value	Description
188	Range	0 - 4.091 (median=0 mean=0.4 std=0.8)

N09A80		MOF0400 Egg Substitute
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

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N09A81		MOF0500 Nuts and Seeds
N	Value	Description
188	Range	0 - 9.465 (median=0 mean=0.3 std=1.2)

N09A82		MOF0600 Nut and Seed Butters
N	Value	Description
188	Range	0 - 2 (median=0 mean=0.0 std=0.2)

N09A83		MOF0700 Meat Alternatives
N	Value	Description
188	Range	0 - 0.035 (median=0 mean=0.0 std=0.0)

N09A84		DMF0100 Milk - Whole
N	Value	Description
188	Range	0 - 3.375 (median=0 mean=0.3 std=0.6)

N09A85		DMR0100 Milk - Reduced Fat
N	Value	Description
188	Range	0 - 5.375 (median=0 mean=0.4 std=0.8)

N09A86		DML0100 Milk - Low Fat and Fat Free
N	Value	Description
188	Range	0 - 3.375 (median=0 mean=0.1 std=0.4)

N09A87		DMN0100 Milk - Nondairy
N	Value	Description
188	Range	0 - 1.375 (median=0 mean=0.0 std=0.2)

N09A88		DMF0200 Ready-to-drink Flavored Milk - Whole
N	Value	Description
188	Range	0 - 1.375 (median=0 mean=0.0 std=0.1)

N09A89		DMR0200 Ready-to-drink Flavored Milk - Reduced Fat
N	Value	Description
188	Range	0 - 1 (median=0 mean=0.0 std=0.1)

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N09A90		DML0200 Ready-to-drink Flavored Milk - Low Fat and Fat Free
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A91		DML0300 Sweetened Flavored Milk Beverage Powder with Non-fat Dry Milk
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A92		DML0400 Artificially Sweetened Flavored Milk Beverage Powder with Non-fat Dry Milk
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A93		SWT0600 Sweetened Flavored Milk Beverage Powder without Non-fat Dry Milk
N	Value	Description
188	Range	0 - 3 (median=0 mean=0.0 std=0.2)

N09A94		MSC1100 Artificially Sweetened Flavored Milk Beverage Powder without Non-fat Dry Milk
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A95		DCF0100 Cheese - Full Fat
N	Value	Description
188	Range	0 - 2.888 (median=0 mean=0.3 std=0.4)

N09A96		DCR0100 Cheese - Reduced Fat
N	Value	Description
188	Range	0 - 7.441 (median=0 mean=0.2 std=0.8)

N09A97		DCL0100 Cheese - Low Fat and Fat Free
N	Value	Description
188	Range	0 - 0.67 (median=0 mean=0.0 std=0.0)

N09A98		DCN0100 Cheese - Nondairy
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

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N09A99		DYF0100 Yogurt - Sweetened Whole Milk
N	Value	Description
188	Range	0 - 0.926 (median=0 mean=0.0 std=0.1)

N09A100		DYR0100 Yogurt - Sweetened Low Fat
N	Value	Description
188	Range	0 - 1 (median=0 mean=0.0 std=0.2)

N09A101		DYL0100 Yogurt - Sweetened Fat Free
N	Value	Description
188	Range	0 - 0.313 (median=0 mean=0.0 std=0.0)

N09A102		DYF0200 Yogurt - Artificially Sweetened Whole Milk
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A103		DYR0200 Yogurt - Artificially Sweetened Low Fat
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A104		DYL0200 Yogurt - Artificially Sweetened Fat Free
N	Value	Description
188	Range	0 - 1.375 (median=0 mean=0.0 std=0.1)

N09A105		DYN0100 Yogurt - Nondairy
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A106		DOT0100 Frozen Dairy Dessert
N	Value	Description
188	Range	0 - 3 (median=0 mean=0.2 std=0.5)

N09A107		DOT0200 Frozen Nondairy Dessert
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

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N09A108		DOT0300 Pudding and Other Dairy Dessert
N	Value	Description
188	Range	0 - 0.5 (median=0 mean=0.0 std=0.1)

N09A109		DOT0400 Artificially Sweetened Pudding and Other Dairy Dessert
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A110		FCF0100 Cream
N	Value	Description
188	Range	0 - 3.314 (median=0 mean=0.1 std=0.4)

N09A111		FCR0100 Cream - Reduced Fat
N	Value	Description
188	Range	0 - 7.45 (median=0 mean=0.1 std=0.7)

N09A112		FCL0100 Cream - Low Fat and Fat Free
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A113		FCN0100 Cream - Nondairy
N	Value	Description
188	Range	0 - 11.75 (median=0 mean=0.4 std=1.7)

N09A114		DOT0500 Dairy-based Sweetened Meal Replacement/Supplement
N	Value	Description
188	Range	0 - 1.5 (median=0 mean=0.0 std=0.2)

N09A115		DOT0600 Dairy-based Artificially Sweetened Meal Replacement/Supplement
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A116		DOT0700 Infant Formula
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

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N09A117		DOT0800 Infant Formula - Nondairy
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A118		FMF0100 Margarine - Regular
N	Value	Description
188	Range	0 - 3 (median=0 mean=0.0 std=0.3)

N09A119		FMR0100 Margarine - Reduced Fat
N	Value	Description
188	Range	0 - 11.999 (median=0 mean=0.3 std=1.2)

N09A120		FOF0100 Oil
N	Value	Description
188	Range	0 - 20.926 (median=1.4755 mean=2.39016 std=3.08279)

N09A121		FSF0100 Shortening
N	Value	Description
188	Range	0 - 6.423 (median=0 mean=0.2 std=0.6)

N09A122		FAF0100 Butter and Other Animal Fats - Regular
N	Value	Description
188	Range	0 - 12.666 (median=0 mean=0.9 std=2.2)

N09A123		FAR0100 Butter and Other Animal Fats - Reduced Fat
N	Value	Description
188	Range	0 - 3 (median=0 mean=0.0 std=0.2)

N09A124		FDF0100 Salad Dressing - Regular
N	Value	Description
188	Range	0 - 8.373 (median=0 mean=0.3 std=0.9)

N09A125		FDR0100 Salad Dressing - Reduced Fat/Reduced Calorie/Fat Free
N	Value	Description
188	Range	0 - 2.256 (median=0 mean=0.0 std=0.2)

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N09A126		SWT0400 Sugar
N	Value	Description
188	Range	0 - 24.125 (median=1.5365 mean=3.23054 std=4.29759)

N09A127		MSC1200 Sugar Substitute
N	Value	Description
188	Range	0 - 12 (median=0 mean=0.4 std=1.5)

N09A128		SWT0500 Syrup, Honey, Jam, Jelly, Preserves
N	Value	Description
188	Range	0 - 8 (median=0 mean=0.1 std=0.7)

N09A129		SWT0700 Sauces, Sweet - Regular
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A130		SWT0800 Sauces, Sweet - Reduced Fat/Reduced Calorie/Fat Free
N	Value	Description
188	Range	0 - 0.433 (median=0 mean=0.0 std=0.0)

N09A131		SWT0100 Chocolate Candy
N	Value	Description
188	Range	0 - 3.9 (median=0 mean=0.1 std=0.3)

N09A132		SWT0200 Non-chocolate Candy
N	Value	Description
188	Range	0 - 1.458 (median=0 mean=0.0 std=0.1)

N09A133		SWT0300 Frosting or Glaze
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A134		BVS0400 Sweetened Soft Drinks
N	Value	Description
188	Range	0 - 8.454 (median=0 mean=0.6 std=1.3)

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N09A135		BVA0400 Artificially Sweetened Soft Drinks
N	Value	Description
188	Range	0 - 1.5 (median=0 mean=0.0 std=0.1)

N09A136		BVU0300 Unsweetened Soft Drinks
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A137		BVS0300 Sweetened Fruit Drinks
N	Value	Description
188	Range	0 - 9 (median=0 mean=0.4 std=1.0)

N09A138		BVA0300 Artificially Sweetened Fruit Drinks
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A139		BVS0500 Sweetened Tea
N	Value	Description
188	Range	0 - 4 (median=0 mean=0.1 std=0.5)

N09A140		BVA0500 Artificially Sweetened Tea
N	Value	Description
188	Range	0 - 1.5 (median=0 mean=0.0 std=0.2)

N09A141		BVU0400 Unsweetened Tea
N	Value	Description
188	Range	0 - 4.5 (median=0 mean=0.2 std=0.7)

N09A142		BVS0100 Sweetened Coffee
N	Value	Description
188	Range	0 - 1.25 (median=0 mean=0.1 std=0.2)

N09A143		BVA0100 Artificially Sweetened Coffee
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

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N09A144		BVU0100 Unsweetened Coffee
N	Value	Description
188	Range	0 - 6 (median=0 mean=0.6 std=0.9)

N09A145		BVS0200 Sweetened Coffee Substitutes
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A146		BVA0200 Artificially Sweetened Coffee Substitutes
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A147		BVU0200 Unsweetened Coffee Substitutes
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A148		BVS0600 Sweetened Water
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A149		BVA0600 Artificially Sweetened Water
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A150		BVU0500 Unsweetened Water
N	Value	Description
188	Range	0 - 27.5 (median=4.175 mean=4.9081 std=4.1497)

N09A151		BVS0700 Nondairy-based Sweetened Meal Replacement/Supplement
N	Value	Description
188	Range	0 - 2 (median=0 mean=0.0 std=0.2)

N09A152		BVA0700 Nondairy-based Artificially Sweetened Meal Replacement/Supplement
N	Value	Description
188	Range	0 - 0.519 (median=0 mean=0.0 std=0.0)

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N09A153		BVU0600 Nondairy-based Unsweetened Meal Replacement/Supplement
N	Value	Description
188	Range	0 - 0.021 (median=0 mean=0.0 std=0.0)

N09A154		BVO0100 Non-alcoholic Beer
N	Value	Description
188	Range	0 - 1 (median=0 mean=0.0 std=0.1)

N09A155		BVO0200 Non-alcoholic Light Beer
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A156		BVE0100 Beer and Ales
N	Value	Description
188	Range	0 - 5 (median=0 mean=0.1 std=0.4)

N09A157		BVE0400 Cordial and Liqueur
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A158		BVE0300 Distilled Liquor
N	Value	Description
188	Range	0 - 4 (median=0 mean=0.0 std=0.3)

N09A159		BVE0200 Wine
N	Value	Description
188	Range	0 - 1.2 (median=0 mean=0.0 std=0.1)

N09A160		MSC0100 Gravy - Regular
N	Value	Description
188	Range	0 - 1.5 (median=0 mean=0.0 std=0.1)

N09A161		MSC0200 Gravy - Reduced Fat/Fat Free
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 3 Section A

Section A: NDSR Dietary Intake

N09A162		MSC0300 Sauces and Condiments - Regular
N	Value	Description
188	Range	0 - 2.493 (median=0 mean=0.0 std=0.2)

N09A163		MSC0400 Sauces and Condiments - Reduced Fat
N	Value	Description
188	Range	0 - 6 (median=0 mean=0.3 std=0.8)

N09A164		MSC0500 Pickled Foods
N	Value	Description
188	Range	0 - 4.197 (median=0 mean=0.1 std=0.5)

N09A165		MSC0600 Miscellaneous Dessert
N	Value	Description
188	Range	0 - 1 (median=0 mean=0.0 std=0.1)

N09A166		MSC0700 Non-grain Flour and Similar
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A167		MSC0800 Soup Broth
N	Value	Description
188	Range	0 - 2.066 (median=0 mean=0.1 std=0.2)

N09A168		MSC0900 Baby Food Dessert
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A169		MSC1000 Miscellaneous Baby Food Mixtures
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A170		GRW1300 Baby Food Grain Mixtures - Whole Grain
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 3 Section A

Section A: NDSR Dietary Intake

N09A171		GRS1300 Baby Food Grain Mixtures - Some Whole Grain
N	Value	Description
188	Range	0 - 0 (median=0 mean=0.0 std=0.0)

SOLNAS_VISIT		SOLNAS study visits: 1,2,3 or 4
N	Value	Description
97	3	visit 3
91	4	visit 4

SOLNAS_STUDY		SOLNAS study: 'M'=SOLNAS Main studies, where visit=1 or 2; 'R'=SOINAS reliability study, where visit=3 or 4
N	Value	Description
188	R	Reliability Studies

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 4 Section A

Section A: Multi Diet FFQ

Daily Total Nutrient from Multicultural FFQ: FORM CODE=NFQ VERSION=A

NFQA1		<i>bkid1 = Site use book ID</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Present	Variable/Text Values Suppressed

NFQA2		<i>Shortened Participant ID</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
		This variable has been removed

NFQA3		<i>DATE = Process Date</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	03/13/2012 - 08/20/2012

NFQA4		<i>rigrams_f= Total Grams_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	714.23227389 - 9701.588078 (median=3727.546613 mean=3578.9706193 std=2038.2523648)

NFQA5		<i>rikcal_f = Energy_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	906.71259813 - 7147.1288423 (median=2723.9981977 mean=2728.82010473 std=1352.90515891)

NFQA6		<i>rifat_f = Total Fat_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	40.532050714 - 322.19646364 (median=134.73976565 mean=127.061934082 std=65.236167449)

NFQA7		<i>ritcho_f = Total Carbohydrate_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	86.97971959 - 846.44388363 (median=272.18384846 mean=295.612496651 std=160.940947130)

NFQA8		<i>ripro_f = Total Protein_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	37.841792854 - 242.19177461 (median=88.110880863 mean=96.6586532234 std=49.5581319608)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 4 Section A

Section A: Multi Diet FFQ

NFQA9		<i>riapro_f = Animal Protein_food</i>
N	Value	Description
24	Range	17.172205792 - 165.29422823 (median=61.202194237 mean=67.6942175870 std=36.5070330040)

NFQA10		<i>rivpro_f = Vegetable Protein_food</i>
N	Value	Description
24	Range	8.9439427573 - 76.89796117 (median=25.117101991 mean=28.9641699800 std=14.9844827635)

NFQA11		<i>rialc_f = Alcohol_food</i>
N	Value	Description
24	Range	0.1795575781 - 27.864199704 (median=4.4713319994 mean=7.45725182412 std=7.60856842711)

NFQA12		<i>richol_f = Cholesterol_food</i>
N	Value	Description
24	Range	183.25105906 - 1551.1568398 (median=340.74429446 mean=494.768217477 std=339.742599069)

NFQA13		<i>risfa_f = Total Saturated Fatty Acids (SFA)_food</i>
N	Value	Description
24	Range	13.405303125 - 120.12119978 (median=38.118251437 mean=45.0654379511 std=25.4109475003)

NFQA14		<i>rimfa_f = Total Monounsaturated Fatty Acids (MUFA)_food</i>
N	Value	Description
24	Range	14.90867333 - 111.81592123 (median=44.882929351 mean=45.3854193233 std=24.4486626512)

NFQA15		<i>ripfa_f = Total Polyunsaturated Fatty Acids (PUFA)_food</i>
N	Value	Description
24	Range	8.9728119209 - 65.641699554 (median=28.345982597 mean=27.5739705807 std=14.2181692095)

NFQA16		<i>rifruc_f = Fructose_food</i>
N	Value	Description
24	Range	5.3061108903 - 86.977247042 (median=18.089347485 mean=22.2612860075 std=17.8055268794)

NFQA17		<i>rigala_f = Galactose_food</i>
N	Value	Description
24	Range	0.015212329 - 3.4165126773 (median=0.4552805222 mean=0.77675131955 std=0.88221917076)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 4 Section A

Section A: Multi Diet FFQ

NFQA18		<i>rigluc_f = Glucose_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	6.8095425707 - 81.878525291 (median=20.234910483 mean=24.9894886990 std=17.4726854811)

NFQA19		<i>rilact_f = Lactose_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	2.8580312007 - 49.562789726 (median=14.882634785 mean=18.0496902585 std=12.0216739467)

NFQA20		<i>rimalt_f = Maltose_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	1.0649932015 - 7.5473211263 (median=2.3952391763 mean=3.01084053734 std=1.86997260637)

NFQA21		<i>risucr_f = Sucrose_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	18.317149475 - 317.03697297 (median=51.384060331 mean=67.6949187518 std=63.1232299676)

NFQA22		<i>ristar_f = Starch_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	32.46413373 - 288.14860914 (median=111.85764373 mean=117.942900774 std=53.223886103)

NFQA23		<i>ridfib_f = Total Dietary Fiber_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	4.0296037902 - 58.470326991 (median=17.374473656 mean=20.1531515333 std=12.2493244444)

NFQA24		<i>riwsdf_f = Soluble Dietary Fiber_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	1.2593586516 - 20.488339514 (median=5.3346065384 mean=6.55421100728 std=4.20765903404)

NFQA25		<i>riifib_f = Insoluble Dietary Fiber_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	2.6938813298 - 37.725720402 (median=11.510814853 mean=13.2087178878 std=8.0668835854)

NFQA26		<i>ripect_f = Pectins_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.2263152181 - 5.8315042769 (median=1.6168449923 mean=1.86845138930 std=1.18640342523)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 4 Section A

Section A: Multi Diet FFQ

NFQA27		<i>riva_f = Total Vitamin A Activity (International Units)_food</i>
N	Value	Description
24	Range	952.90641914 - 17543.434534 (median=6495.5324066 mean=6676.89917776 std=3918.13648733)

NFQA28		<i>ribceq_f = Beta-Carotene Equivalents (derived from provitamin A carotenoids)_food</i>
N	Value	Description
24	Range	189.76654737 - 5698.3665254 (median=2124.9998789 mean=2372.90054343 std=1372.71571552)

NFQA29		<i>rirl_f = Retinol_food</i>
N	Value	Description
24	Range	191.10027504 - 2414.3259484 (median=732.03083453 mean=816.526628158 std=541.686323228)

NFQA30		<i>rivd_f = Vitamin D (calciferol)_food</i>
N	Value	Description
24	Range	1.7182722847 - 16.455993161 (median=4.5665004499 mean=5.77970938497 std=3.49611703032)

NFQA31		<i>rittc_f = Total Alpha-Tocopherol Equivalents_food</i>
N	Value	Description
24	Range	5.6281159572 - 54.128712071 (median=15.528735695 mean=16.3851918671 std=11.2350128975)

NFQA32		<i>riatc_f = Vitamin E (Total Alpha-Tocopherol)_food</i>
N	Value	Description
24	Range	3.6666736182 - 30.373799224 (median=12.442376651 mean=12.1976731257 std=7.3063592866)

NFQA33		<i>ribtc_f = Beta-Tocopherol_food</i>
N	Value	Description
24	Range	0.2048921471 - 1.6565431727 (median=0.5240365538 mean=0.58260408619 std=0.32389730543)

NFQA34		<i>rigtc_f = Gamma-Tocopherol_food</i>
N	Value	Description
24	Range	6.5012361707 - 70.091264404 (median=24.334508335 mean=23.6278997373 std=14.7216614400)

NFQA35		<i>ridtc_f = Delta-Tocopherol_food</i>
N	Value	Description
24	Range	1.4615618666 - 19.266195982 (median=5.4225923806 mean=5.77102787117 std=3.96174396204)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 4 Section A

Section A: Multi Diet FFQ

NFQA36		<i>rivk_f = Vitamin K (phyloquinone)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	21.454243489 - 290.10732721 (median=83.841526085 mean=93.0931390983 std=58.9923637563)

NFQA37		<i>rivc_f = Vitamin C (ascorbic acid)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	21.38222015 - 396.62512728 (median=62.88444297 mean=103.814843557 std=83.442472180)

NFQA38		<i>rithi_f = Thiamin (vitamin B1)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.6132279093 - 4.5142276284 (median=1.8159176311 mean=1.94479792580 std=0.89484581225)

NFQA39		<i>ririb_f = Riboflavin (vitamin B2)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.8518483122 - 7.0541320352 (median=2.7677148995 mean=2.60760374073 std=1.40841939072)

NFQA40		<i>rinia_f = Niacin (vitamin B3)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	9.5707869442 - 48.988027673 (median=22.739496285 mean=24.3391219281 std=12.2773618123)

NFQA41		<i>ripant_f = Pantothenic Acid_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	2.2294446668 - 16.787525232 (median=7.1274265609 mean=6.87806102696 std=3.71287328523)

NFQA42		<i>rivb6_f = Vitamin B-6 (pyridoxine, pyridoxyl, & pyridoxamine)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.8446759555 - 5.4229762675 (median=1.9387815602 mean=2.26346584692 std=1.24673138145)

NFQA43		<i>rifol_f = Total Folate_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	119.50895374 - 1139.7340514 (median=388.63045199 mean=436.416144558 std=228.330052884)

NFQA44		<i>rivb12_f = Vitamin B-12 (cobalamin)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	1.5723092159 - 20.118112403 (median=6.4288582625 mean=6.99170788186 std=4.24141546981)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 4 Section A

Section A: Multi Diet FFQ

NFQA45		<i>rica_f = Calcium_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	186.62715907 - 3466.7954614 (median=1077.6803449 mean=1197.02831359 std=727.77590432)

NFQA46		<i>rip_f = Phosphorus_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	576.53814275 - 4282.7240199 (median=1426.5054802 mean=1577.80352385 std=846.23260891)

NFQA47		<i>rimg_f = Magnesium_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	109.68024743 - 849.72243266 (median=297.52139656 mean=325.311465120 std=175.009041270)

NFQA48		<i>rife_f = Iron_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	6.0007667124 - 42.432458209 (median=14.805122398 mean=16.0479458585 std=7.9032616604)

NFQA49		<i>rizn_f = Zinc_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	5.1289302607 - 40.571120039 (median=13.538284947 mean=15.2010210750 std=8.7354391190)

NFQA50		<i>ricu_f = Copper_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.3644818268 - 4.5893104798 (median=1.2924312559 mean=1.48133558718 std=0.87841282394)

NFQA51		<i>rise_f = Selenium_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	51.262029379 - 381.34717716 (median=121.19621528 mean=144.155314987 std=76.180720012)

NFQA52		<i>rina_f = Sodium_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	1844.9907193 - 13656.17469 (median=5304.2267559 mean=5838.78272687 std=2783.01819983)

NFQA53		<i>rik_f = Potassium_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	922.1188253 - 7932.7224158 (median=2814.734776 mean=2882.9910285 std=1541.5672750)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 4 Section A

Section A: Multi Diet FFQ

NFQA54		ris04_0_f= SFA 4:0 (butyric acid)_food
N	Value	Description
24	Range	0.2067928068 - 3.5321042378 (median=1.0460047925 mean=1.34223373212 std=0.91178897039)

NFQA55		ris06_0_f= SFA 6:0 (caproic acid)_food
N	Value	Description
24	Range	0.1229898063 - 1.7261622472 (median=0.5894816203 mean=0.72882018069 std=0.46668594447)

NFQA56		ris08_0_f= SFA 8:0 (caprylic acid)_food
N	Value	Description
24	Range	0.1023169044 - 1.3407660447 (median=0.3954957329 mean=0.53531854035 std=0.34073773853)

NFQA57		ris10_0_f= SFA 10:0 (capric acid)_food
N	Value	Description
24	Range	0.22326447 - 2.8695265566 (median=0.8385605237 mean=1.08653626334 std=0.72658077664)

NFQA58		ris12_0_f= SFA 12:0 (lauric acid)_food
N	Value	Description
24	Range	0.417395702 - 3.9287054578 (median=1.0770939655 mean=1.35166079775 std=0.87417011941)

NFQA59		ris14_0_f= SFA 14:0 (myristic acid)_food
N	Value	Description
24	Range	1.0503417662 - 11.615627149 (median=3.3651583065 mean=4.47814276318 std=2.86003164097)

NFQA60		ris16_0_f= SFA 16:0 (palmitic acid)_food
N	Value	Description
24	Range	7.3345326948 - 60.158985327 (median=21.281937827 mean=23.3923285987 std=12.5527379883)

NFQA61		ris17_0_f= SFA 17:0 (margaric acid)_food
N	Value	Description
24	Range	0.037504269 - 0.3165041615 (median=0.1168275542 mean=0.14441821861 std=0.08592270181)

NFQA62		ris18_0_f= SFA 18:0 (stearic acid)_food
N	Value	Description
24	Range	3.514433811 - 32.111987164 (median=9.7823384856 mean=10.98807977894 std=6.34061569529)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 4 Section A

Section A: Multi Diet FFQ

NFQA63		<i>ris20_0_f= SFA 20:0 (arachidic acid)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.0369309845 - 0.8402401805 (median=0.1522985198 mean=0.18189075674 std=0.16186867985)

NFQA64		<i>ris22_0_f= SFA 22:0 (behenic acid)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.0059506965 - 0.4115004712 (median=0.0641106236 mean=0.08255948050 std=0.08379149629)

NFQA65		<i>rim14_1_f= MUFA 14:1 (myristoleic acid)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.0151534762 - 0.1793630648 (median=0.0607685554 mean=0.06998713473 std=0.04265745438)

NFQA66		<i>rim16_1_f= MUFA 16:1 (palmitoleic acid)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.6498246632 - 4.3279178012 (median=1.6617332192 mean=1.94825756821 std=1.02697182163)

NFQA67		<i>rim18_1_f= MUFA 18:1 (oleic acid)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	13.874289858 - 103.93929982 (median=41.696660693 mean=42.1601895493 std=22.8739477834)

NFQA68		<i>rim20_1_f= MUFA 20:1 (gadoleic acid)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.082057642 - 1.5277509651 (median=0.2292018333 mean=0.28585328815 std=0.29475657796)

NFQA69		<i>rim22_1_f= MUFA 22:1 (erucic acid)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.0035039164 - 0.0680662466 (median=0.0132745888 mean=0.01693701708 std=0.01446675876)

NFQA70		<i>rip18_2_f= PUFA 18:2 (linoleic acid)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	8.0038560696 - 58.421753079 (median=25.916623022 mean=24.4922116692 std=12.2240280321)

NFQA71		<i>rip18_3_f= PUFA 18:3 (linolenic acid)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.6954326651 - 11.820519943 (median=2.1994801281 mean=2.58588787489 std=2.34464224193)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 4 Section A

Section A: Multi Diet FFQ

NFQA72		<i>rip18_4_f= PUFA 18:4 (parinaric acid)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	5.9178E-6 - 0.0193779231 (median=0.0022438675 mean=0.00430356063 std=0.00491749585)

NFQA73		<i>rip20_4_f= PUFA 20:4 (arachidonic acid)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.0444660432 - 0.5302565301 (median=0.1235686365 mean=0.17594248820 std=0.11663737652)

NFQA74		<i>rip20_5_f= PUFA 20:5 (eicosapentaenoic acid [EPA])_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.0041712531 - 0.1922697128 (median=0.0327897876 mean=0.04282676690 std=0.04136475296)

NFQA75		<i>rip22_5_f= PUFA 22:5 (docosapentaenoic acid [DPA])_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.0029505298 - 0.05566168 (median=0.0144686706 mean=0.01666120322 std=0.01272768857)

NFQA76		<i>rip22_6_f= PUFA 22:6 (docosahexaenoic acid [DHA])_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.0149187608 - 0.5224498617 (median=0.0761757675 mean=0.09404677555 std=0.10497717106)

NFQA77		<i>ritryp_f= Tryptophan_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.4497847741 - 2.9521165866 (median=1.003109212 mean=1.1464251079 std=0.6067833430)

NFQA78		<i>rithre_f= Threonine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	1.4925026111 - 9.4435360908 (median=3.3251602507 mean=3.66894596641 std=1.90481894029)

NFQA79		<i>riisol_f= Isoleucine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	1.7706441589 - 11.35878506 (median=4.0346091592 mean=4.49548867639 std=2.33248423219)

NFQA80		<i>rileuc_f= Leucine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	3.0525048876 - 19.591948373 (median=6.8627395145 mean=7.64876915155 std=3.97279496432)

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NFQA81		<i>rilysi_f = Lysine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	2.3366113495 - 15.735192179 (median=5.8260983748 mean=6.46942531734 std=3.36042400974)

NFQA82		<i>rimeth_f = Methionine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.8003658274 - 5.501748726 (median=2.0430196435 mean=2.20623861198 std=1.14925853086)

NFQA83		<i>ricyst_f = Cystine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.5069069021 - 3.420392132 (median=1.327062321 mean=1.3561637613 std=0.6751155087)

NFQA84		<i>riphen_f = Phenylalanine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	1.6938980845 - 11.322613342 (median=3.9302821302 mean=4.39827748147 std=2.27554662033)

NFQA85		<i>rityro_f = Tyrosine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	1.2896462621 - 8.8749529701 (median=3.0187282904 mean=3.44853957861 std=1.84303954350)

NFQA86		<i>rivali_f = Valine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	1.9730942363 - 13.23537594 (median=4.5326975358 mean=5.10475451853 std=2.67938987503)

NFQA87		<i>riargi_f = Arginine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	2.0645111765 - 12.047336491 (median=4.8190929403 mean=4.99044845615 std=2.46160648044)

NFQA88		<i>rihist_f = Histidine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	1.0257088183 - 6.3172407277 (median=2.334337208 mean=2.6434472947 std=1.3603998593)

NFQA89		<i>rialan_f = Alanine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	1.7860330167 - 10.712461929 (median=4.1845756496 mean=4.36923393819 std=2.17191696517)

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NFQA90		<i>riaspa_f = Aspartic Acid_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	3.2651863213 - 20.919323665 (median=7.6186571354 mean=8.13392253491 std=4.09694254309)

NFQA91		<i>riglut_f = Glutamic Acid_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	7.1241397626 - 48.34010739 (median=16.733380542 mean=18.8980031858 std=9.8683657820)

NFQA92		<i>riglyc_f = Glycine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	1.5325452667 - 8.6382510807 (median=3.6160835113 mean=3.75642644180 std=1.80216392451)

NFQA93		<i>riprol_f = Proline_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	2.4357492384 - 17.497419704 (median=5.8595083534 mean=6.77716463627 std=3.66226219425)

NFQA94		<i>riseri_f = Serine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	1.7380197448 - 12.007247624 (median=4.1328855094 mean=4.55740022168 std=2.39386876645)

NFQA95		<i>riaspt_f = Aspartame_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0 - 34.473687671 (median=0 mean=2.2 std=7.2)

NFQA96		<i>ricaf_f = Caffeine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.6495794849 - 425.03389479 (median=78.531588761 mean=133.4803428233 std=136.1827064292)

NFQA97		<i>riphyt_f = Phytic Acid_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	193.44139286 - 1835.9731741 (median=572.10177516 mean=669.779515675 std=407.308967558)

NFQA98		<i>rioxal_f = Oxalic Acid_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	44.315282732 - 533.19505243 (median=160.20384896 mean=173.118317485 std=100.336878633)

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NFQA99		<i>rimh3_f = 3-Methylhistidine_food</i>
N	Value	Description
24	Range	3.3947684617 - 31.576501645 (median=14.036388255 mean=15.9631789743 std=8.3662960716)

NFQA100		<i>risp_f = Sucrose Polyester_food</i>
N	Value	Description
24	Range	0 - 0.1211671233 (median=0 mean=0.0 std=0.0)

NFQA101		<i>riash_f = Ash_food</i>
N	Value	Description
24	Range	7.7313688141 - 68.696509061 (median=26.848435671 mean=27.0422104112 std=13.1370128620)

NFQA102		<i>riw_f = Water_food</i>
N	Value	Description
24	Range	449.08287128 - 8296.8220313 (median=3143.0978797 mean=3045.74791085 std=1821.07001676)

NFQA103		<i>ripctfat_f = % Calories from Fat_food</i>
N	Value	Description
24	Range	180.22074115 - 1618.3755092 (median=543.34512208 mean=559.348886708 std=312.022267388)

NFQA104		<i>ripctcho_f = % Calories from Carbohydrate_food</i>
N	Value	Description
24	Range	354.45690347 - 3173.5778793 (median=1328.0171539 mean=1383.43613752 std=777.89512544)

NFQA105		<i>ripctpro_f = % Calories from Protein_food</i>
N	Value	Description
24	Range	95.48778754 - 1171.0057108 (median=320.68847692 mean=397.596985457 std=249.691416006)

NFQA106		<i>ripctalc_f = % Calories from Alcohol_food</i>
N	Value	Description
24	Range	1.9579004712 - 453.35408074 (median=34.030567862 mean=103.9104901306 std=124.7568722802)

NFQA107		<i>ripctsfa_f = % Calories from SFA_food</i>
N	Value	Description
24	Range	54.889886503 - 593.72975485 (median=181.1903956 mean=200.38251066 std=119.91384610)

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NFQA108		<i>ripctmfa_f = % Calories from MUFA_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	64.698877869 - 619.52002148 (median=199.51143817 mean=212.054673272 std=122.249720551)

NFQA109		<i>ripctpfa_f = % Calories from PUFA_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	43.967545311 - 278.37211235 (median=108.62872786 mean=108.834614870 std=54.663600962)

NFQA110		<i>rips_f = Polyunsaturated to Saturated Fat Ratio_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	7.6508568233 - 62.969865663 (median=24.377867069 mean=26.5628875383 std=15.3758469443)

NFQA111		<i>ricsi_f = Cholesterol to Saturated Fatty Acid Index_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	22.702438652 - 198.88619799 (median=56.293978795 mean=70.2557521200 std=41.2253141524)

NFQA112		<i>rivare_f = Total Vitamin A Activity (Retinol Equivalents)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	222.72820897 - 3364.0514649 (median=1180.4936746 mean=1212.01013262 std=742.61905841)

NFQA113		<i>rif181t_f= TRANS 18:1 (trans-octadecenoic acid [elaidic acid])_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	1.17737844 - 16.299237103 (median=4.2883299423 mean=4.74684411078 std=3.38745437745)

NFQA114		<i>rif182t_f= TRANS 18:2 (trans-octadecadienoic acid [linolelaidic acid]; incl. c-t, t-c, t-t)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.2716690699 - 2.5465310418 (median=0.7486990978 mean=0.87795693174 std=0.57474763856)

NFQA115		<i>rif161t_f= TRANS 16:1 (trans-hexadecenoic acid)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.0208619519 - 0.196520266 (median=0.0605042975 mean=0.07337428765 std=0.04591890372)

NFQA116		<i>rittfa_f = Total Trans-Fatty Acids (TRANS)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	1.6009994428 - 19.210165503 (median=5.2428933998 mean=5.78333171188 std=4.00743889364)

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NFQA117		<i>ribcar_f = Beta-Carotene (provitamin A carotenoid)_food</i>
N	Value	Description
24	Range	175.56573032 - 4944.4899763 (median=1910.7726108 mean=2145.93314949 std=1212.08161694)

NFQA118		<i>riacar_f = Alpha-Carotene (provitamin A carotenoid)_food</i>
N	Value	Description
24	Range	14.783896932 - 1131.8345546 (median=229.25416758 mean=312.091569523 std=260.278663120)

NFQA119		<i>ribcry_f = Beta-Cryptoxanthin (provitamin A carotenoid)_food</i>
N	Value	Description
24	Range	13.61765543 - 596.30776295 (median=78.603778066 mean=141.8437262350 std=142.1220932866)

NFQA120		<i>rilz_f = Lutein + Zeaxanthin_food</i>
N	Value	Description
24	Range	198.23097145 - 3489.9672824 (median=1134.822065 mean=1181.2126236 std=729.0431482)

NFQA121		<i>rilyco_f = Lycopene_food</i>
N	Value	Description
24	Range	1404.4848627 - 21039.697456 (median=5066.8743527 mean=7193.24868844 std=5595.30599260)

NFQA122		<i>ridfe_f = Dietary Folate Equivalents_food</i>
N	Value	Description
24	Range	155.69628719 - 1433.1599959 (median=495.05843325 mean=561.893591273 std=293.668133207)

NFQA123		<i>rinfol_f = Natural Folate_food</i>
N	Value	Description
24	Range	55.960463518 - 721.39326362 (median=244.89609924 mean=257.309651256 std=141.871691533)

NFQA124		<i>risfol_f = Synthetic Folate_food</i>
N	Value	Description
24	Range	51.638881957 - 418.39302824 (median=156.74410871 mean=179.146634822 std=98.938389755)

NFQA125		<i>rivarae_f= Total Vitamin A Activity (Retinol Activity Equivalents)_food</i>
N	Value	Description
24	Range	206.91425044 - 2889.1897393 (median=962.44789974 mean=1014.268331258 std=639.818908492)

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NFQA126		<i>rikj_f = Energy (kilojoules)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	3793.6847259 - 29903.594859 (median=11397.210852 mean=11417.3823696 std=5660.5554774)

NFQA127		<i>riniaeq_f= Niacin Equivalents_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	17.06199379 - 98.145369773 (median=39.449933383 mean=43.4405875352 std=21.8472068447)

NFQA128		<i>ritsugar_f= Total Sugars_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	41.121750999 - 467.5829812 (median=110.83566884 mean=136.784246426 std=97.203483088)

NFQA129		<i>riomega3_f= Omega-3 Fatty Acids_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.7268787398 - 11.987372389 (median=2.4024235378 mean=2.74342701796 std=2.41444468702)

NFQA130		<i>rimn_f = Manganese_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	1.0367212428 - 8.6148830214 (median=3.0492530325 mean=3.61973967229 std=1.96443690041)

NFQA131		<i>rivite_f = Vitamin E (International Units)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	6.0997722645 - 57.968966548 (median=18.777744302 mean=19.0896060106 std=12.4840534203)

NFQA132		<i>rinatatoc_f= Natural Alpha-Tocopherol (RRR-alpha-tocopherol or d-alpha-tocopherol)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	2.8013698905 - 27.644443241 (median=10.464264589 mean=10.9428737899 std=6.1920971544)

NFQA133		<i>risynatoc_f= Synthetic Alpha-Tocopherol (all rac-alpha-tocopherol or dl-alpha-tocopherol)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0 - 38.675081459 (median=0.6391737632 mean=2.78851473003 std=7.97371832292)

NFQA134		<i>ridaid_f = Daidzein_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.0534394756 - 4.9183458773 (median=0.3856860563 mean=0.68311958392 std=0.99126429032)

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NFQA135		<i>rigeni_f = Genistein_food</i>
N	Value	Description
24	Range	0.0932793918 - 4.9235758765 (median=0.4116589246 mean=0.82812709728 std=1.06824877226)

NFQA136		<i>riglyt_f = Glycitein_food</i>
N	Value	Description
24	Range	0.0072540506 - 0.5796226366 (median=0.0492051805 mean=0.10373437156 std=0.13647734129)

NFQA137		<i>ricoum_f = Coumestrol_food</i>
N	Value	Description
24	Range	0.0024921344 - 0.3554761331 (median=0.0952734542 mean=0.12149485300 std=0.10969522921)

NFQA138		<i>ribioa_f = Biochanin A_food</i>
N	Value	Description
24	Range	0.0005989823 - 0.1382426576 (median=0.0328618768 mean=0.04211596973 std=0.03655780635)

NFQA139		<i>riformon_f= Formononetin_food</i>
N	Value	Description
24	Range	0.0000512477 - 0.0032770827 (median=0.0011261038 mean=0.00125313930 std=0.00094193251)

NFQA140		<i>riasugar_f= Added Sugars_food</i>
N	Value	Description
24	Range	28.688100007 - 374.59468178 (median=85.483893376 mean=99.2774769119 std=77.2493768030)

NFQA141		<i>riacesk_f = Acesulfame Potassium_food</i>
N	Value	Description
24	Range	0 - 0.0760714521 (median=0 mean=0.0 std=0.0)

NFQA142		<i>risucl_f = Sucralose_food</i>
N	Value	Description
24	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NFQA143		<i>riacho_f = Available Carbohydrate_food</i>
N	Value	Description
24	Range	82.785899272 - 787.82666909 (median=259.82100379 mean=275.332790489 std=149.519968726)

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NFQA144		<i>rigig_f = Glycemic Index (glucose reference)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	373.53147305 - 2452.2072773 (median=971.51297937 mean=1017.097288606 std=535.277333912)

NFQA145		<i>rigib_f = Glycemic Index (bread reference)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	533.89182588 - 3505.2014937 (median=1388.7561235 mean=1453.84860453 std=765.11835860)

NFQA146		<i>riglg_f = Glycemic Load (glucose reference)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	51.667987409 - 456.22356212 (median=153.20686956 mean=160.079103397 std=85.731124687)

NFQA147		<i>riglb_f = Glycemic Load (bread reference)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	73.848828715 - 652.11231205 (median=218.97534029 mean=228.810296856 std=122.541317096)

NFQA148		<i>richoline_f= Choline_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	158.8914257 - 1241.2524456 (median=351.22875951 mean=433.076052701 std=242.134334623)

NFQA149		<i>ribetaine_f= Betaine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	26.03541994 - 355.99617139 (median=132.29906852 mean=150.458891996 std=90.713185141)

NFQA150		<i>rieryth_f = Erythritol_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.0000160219 - 0.0017032102 (median=0.0002658578 mean=0.00051709849 std=0.00052849826)

NFQA151		<i>riinos_f = Inositol_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.0095123813 - 0.5808951549 (median=0.0361694504 mean=0.11826509055 std=0.14824979204)

NFQA152		<i>rilactl_f = Lactitol_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0 - 0 (median=0 mean=0.0 std=0.0)

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NFQA153		<i>rimaltitol_f= Maltitol_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0 - 0.0000104548 (median=0 mean=0.0 std=0.0)

NFQA154		<i>rimani_f = Mannitol_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.0449511227 - 0.5559153995 (median=0.1308383296 mean=0.17171075481 std=0.10916488384)

NFQA155		<i>ripini_f = Pinitol_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.0004766703 - 0.0260737014 (median=0.002316082 mean=0.0038671717 std=0.0052165496)

NFQA156		<i>risorb_f = Sorbitol_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.0146351138 - 0.6590673384 (median=0.1509711095 mean=0.21742844973 std=0.19498605990)

NFQA157		<i>rixyli_f = Xylitol_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.0017607709 - 0.0229516959 (median=0.0063141498 mean=0.00776614243 std=0.00563613885)

NFQA158		<i>rinitrogen_f= Nitrogen_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	6.1285445387 - 39.171774127 (median=14.237113845 mean=15.5981732768 std=7.9946807135)

NFQA159		<i>ricla_total_f=Total Conjugated Linoleic Acid (CLA 18:2)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.0703401356 - 0.6081858813 (median=0.2152305247 mean=0.27544346851 std=0.15575120907)

NFQA160		<i>ricla_c9t11_f= CLA cis-9, trans-11_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.0584385776 - 0.5119059881 (median=0.1765187732 mean=0.23015394484 std=0.13239615732)

NFQA161		<i>ricla_t10c12_f= CLA trans-10, cis-12_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.011650342 - 0.0937421794 (median=0.0360484253 mean=0.04333007953 std=0.02336087389)

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NFQA162		<i>ritag_f = Tagatose_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	Range	0.0460176409 - 19.377689237 (median=1.2516031513 mean=2.75524078332 std=4.20443631815)

NFQA163		<i>risacc_f = Saccharin_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24		Missing

NFQA164		<i>riisom_f = Isomalt_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24		Missing

NFQA165		<i>rigrs_s = Total Grams_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0.6575342466 - 46.5 (median=0.8712328767 mean=10.12465753426 std=17.55506763586)
17		Missing

NFQA166		<i>rikcal_s = Energy_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA167		<i>rifat_s = Total Fat_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	Range	0 - 1 (median=0 mean=0.2 std=0.4)
8		Missing

NFQA168		<i>ritcho_s = Total Carbohydrate_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA169		<i>ripro_s = Total Protein_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	Range	0 - 1 (median=0 mean=0.2 std=0.4)
8		Missing

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NFQA170		<i>riapro_s = Animal Protein_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA171		<i>rivpro_s = Vegetable Protein_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA172		<i>rialc_s = Alcohol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA173		<i>richol_s = Cholesterol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	Range	0 - 5 (median=0 mean=0.9 std=2.0)
8		Missing

NFQA174		<i>risfa_s = Total Saturated Fatty Acids (SFA)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	Range	0 - 0.25 (median=0 mean=0.0 std=0.1)
8		Missing

NFQA175		<i>rimfa_s = Total Monounsaturated Fatty Acids (MUFA)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA176		<i>ripfa_s = Total Polyunsaturated Fatty Acids (PUFA)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

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NFQA177		<i>rifruc_s = Fructose_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA178		<i>rigala_s = Galactose_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA179		<i>rigluc_s = Glucose_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA180		<i>rilact_s = Lactose_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA181		<i>rimalt_s = Maltose_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA182		<i>risucr_s = Sucrose_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA183		<i>ristar_s = Starch_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

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NFQA184		<i>ridfib_s = Total Dietary Fiber_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA185		<i>riwsdf_s = Soluble Dietary Fiber_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA186		<i>riifib_s = Insoluble Dietary Fiber_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA187		<i>ripect_s = Pectins_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA188		<i>riva_s = Total Vitamin A Activity (International Units)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	Range	0 - 13000 (median=1549.3150685 mean=3199.82876712 std=4613.00328481)
8		Missing

NFQA189		<i>ribceq_s = Beta-Carotene Equivalents (derived from provitamin A carotenoids)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA190		<i>rirl_s = Retinol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	Range	0 - 0 (median=0 mean=0.0 std=0.0)
8		Missing

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NFQA191		<i>rivd_s = Vitamin D (calciferol)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	Range	0 - 20 (median=10 mean=6.3 std=6.1)
8		Missing

NFQA192		<i>ritt_s = Total Alpha-Tocopherol Equivalents_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA193		<i>riatc_s = Vitamin E (Total Alpha-Tocopherol)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	Range	0 - 0 (median=0 mean=0.0 std=0.0)
8		Missing

NFQA194		<i>ribtc_s = Beta-Tocopherol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA195		<i>rigtc_s = Gamma-Tocopherol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA196		<i>ridtc_s = Delta-Tocopherol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA197		<i>rivk_s = Vitamin K (phyloquinone)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	Range	0 - 0 (median=0 mean=0.0 std=0.0)
8		Missing

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NFQA198		<i>rivc_s = Vitamin C (ascorbic acid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	Range	0 - 564.10958904 (median=60 mean=97.1 std=174.1)
8		Missing

NFQA199		<i>rithi_s = Thiamin (vitamin B1)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	Range	0 - 30 (median=0.7746575343 mean=2.59905821918 std=7.35574560203)
8		Missing

NFQA200		<i>ririb_s = Riboflavin (vitamin B2)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	Range	0 - 30 (median=0.8779452055 mean=2.68738013699 std=7.34397835198)
8		Missing

NFQA201		<i>rinia_s = Niacin (vitamin B3)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	Range	0 - 75 (median=10.328767123 mean=13.6738013699 std=19.2163286072)
8		Missing

NFQA202		<i>ripant_s = Pantothenic Acid_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	Range	0 - 35 (median=5.1643835617 mean=6.67551369866 std=9.07947949991)
8		Missing

NFQA203		<i>rivb6_s = Vitamin B-6 (pyridoxine, pyridoxyl, & pyridoxamine)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	Range	0 - 102.90410959 (median=1.0328767124 mean=8.90847602746 std=25.94833237471)
8		Missing

NFQA204		<i>rifol_s = Total Folate_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

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NFQA205		<i>rivb12_s = Vitamin B-12 (cobalamin)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	Range	0 - 507.01917808 (median=6 mean=38.0 std=125.4)
8		Missing

NFQA206		<i>rica_s = Calcium_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	Range	0 - 43035 (median=702.53424658 mean=4597.645547942 std=11578.605910727)
8		Missing

NFQA207		<i>rip_s = Phosphorus_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	Range	0 - 15 (median=0 mean=1.0 std=3.7)
8		Missing

NFQA208		<i>ring_s = Magnesium_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	Range	0 - 4512.5 (median=0 mean=331.8 std=1120.8)
8		Missing

NFQA209		<i>rife_s = Iron_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	Range	0 - 65 (median=0 mean=12.2 std=26.2)
8		Missing

NFQA210		<i>rizn_s = Zinc_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	Range	0 - 11.95 (median=0 mean=0.8 std=3.0)
8		Missing

NFQA211		<i>ricu_s = Copper_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	Range	0 - 1.5 (median=0 mean=0.1 std=0.4)
8		Missing

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NFQA212		<i>rise_s = Selenium_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	Range	0 - 200 (median=0 mean=12.9 std=49.9)
8		Missing

NFQA213		<i>rina_s = Sodium_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA214		<i>rik_s = Potassium_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	Range	0 - 99 (median=0 mean=12.4 std=33.8)
8		Missing

NFQA215		<i>ris04_0_s = SFA 4:0 (butyric acid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA216		<i>ris06_0_s = SFA 6:0 (caproic acid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA217		<i>ris08_0_s = SFA 8:0 (caprylic acid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA218		<i>ris10_0_s = SFA 10:0 (capric acid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

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NFQA219		ris12_0_s = SFA 12:0 (lauric acid)_supplement
N	Value	Description
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA220		ris14_0_s = SFA 14:0 (myristic acid)_supplement
N	Value	Description
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA221		ris16_0_s = SFA 16:0 (palmitic acid)_supplement
N	Value	Description
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA222		ris17_0_s = SFA 17:0 (margaric acid)_supplement
N	Value	Description
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA223		ris18_0_s = SFA 18:0 (stearic acid)_supplement
N	Value	Description
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA224		ris20_0_s = SFA 20:0 (arachidic acid)_supplement
N	Value	Description
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA225		ris22_0_s = SFA 22:0 (behenic acid)_supplement
N	Value	Description
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

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NFQA226		<i>rim14_1_s = MUFA 14:1 (myristoleic acid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA227		<i>rim16_1_s = MUFA 16:1 (palmitoleic acid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA228		<i>rim18_1_s = MUFA 18:1 (oleic acid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA229		<i>rim20_1_s = MUFA 20:1 (gadoleic acid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA230		<i>rim22_1_s = MUFA 22:1 (erucic acid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA231		<i>rip18_2_s = PUFA 18:2 (linoleic acid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA232		<i>rip18_3_s = PUFA 18:3 (linolenic acid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

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NFQA233		<i>rip18_4_s = PUFA 18:4 (parinaric acid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA234		<i>rip20_4_s = PUFA 20:4 (arachidonic acid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA235		<i>rip20_5_s = PUFA 20:5 (eicosapentaenoic acid [EPA])_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	Range	0 - 0.18 (median=0 mean=0.0 std=0.1)
8		Missing

NFQA236		<i>rip22_5_s = PUFA 22:5 (docosapentaenoic acid [DPA])_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA237		<i>rip22_6_s = PUFA 22:6 (docosahexaenoic acid [DHA])_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	Range	0 - 0.12 (median=0 mean=0.0 std=0.0)
8		Missing

NFQA238		<i>ritryp_s = Tryptophan_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA239		<i>rithre_s = Threonine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

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NFQA240		<i>riisol_s = Isoleucine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA241		<i>rileuc_s = Leucine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA242		<i>rilysi_s = Lysine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA243		<i>rimeth_s = Methionine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA244		<i>ricyst_s = Cystine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA245		<i>riphen_s = Phenylalanine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA246		<i>rietyro_s = Tyrosine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

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NFQA247		<i>rivali_s = Valine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA248		<i>riargi_s = Arginine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA249		<i>rihist_s = Histidine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA250		<i>rialan_s = Alanine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA251		<i>riaspa_s = Aspartic Acid_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA252		<i>riglut_s = Glutamic Acid_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA253		<i>riglyc_s = Glycine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

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NFQA254		<i>riprol_s = Proline_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA255		<i>riseri_s = Serine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA256		<i>riaspt_s = Aspartame_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA257		<i>ricaf_s = Caffeine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA258		<i>riphyt_s = Phytic Acid_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA259		<i>rioxal_s = Oxalic Acid_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA260		<i>rimh3_s = 3-Methylhistidine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

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NFQA261		<i>risp_s = Sucrose Polyester_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA262		<i>riash_s = Ash_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA263		<i>riw_s = Water_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA264		<i>ripctfat_s = % Calories from Fat_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA265		<i>ripctcho_s = % Calories from Carbohydrate_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA266		<i>ripctpro_s = % Calories from Protein_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA267		<i>ripctalc_s = % Calories from Alcohol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

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NFQA268		<i>ripctsfa_s = % Calories from SFA_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA269		<i>ripctmfa_s = % Calories from MUFA_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA270		<i>ripctpfa_s = % Calories from PUFA_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA271		<i>rips_s = Polyunsaturated to Saturated Fat Ratio_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA272		<i>ricsi_s = Cholesterol to Saturated Fatty Acid Index_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA273		<i>rivare_s = Total Vitamin A Activity (Retinol Equivalents)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA274		<i>rif181t_s = TRANS 18:1 (trans-octadecenoic acid [elaidic acid])_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

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NFQA275		<i>rif182t_s = TRANS 18:2 (trans-octadecadienoic acid [linolelaidic acid]; incl. c-t, t-c, t-t)_supplement</i>
N	Value	Description
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA276		<i>rif161t_s = TRANS 16:1 (trans-hexadecenoic acid)_supplement</i>
N	Value	Description
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA277		<i>ritffa_s = Total Trans-Fatty Acids (TRANS)_supplement</i>
N	Value	Description
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA278		<i>ribcar_s = Beta-Carotene (provitamin A carotenoid)_supplement</i>
N	Value	Description
16	Range	0 - 306 (median=10.060273973 mean=135.1325342466 std=155.6666500858)
8		Missing

NFQA279		<i>riacar_s = Alpha-Carotene (provitamin A carotenoid)_supplement</i>
N	Value	Description
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA280		<i>ribcry_s = Beta-Cryptoxanthin (provitamin A carotenoid)_supplement</i>
N	Value	Description
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA281		<i>rilz_s = Lutein + Zeaxanthin_supplement</i>
N	Value	Description
16	Range	0 - 0 (median=0 mean=0.0 std=0.0)
8		Missing

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Section A: Multi Diet FFQ

NFQA282		<i>rilyco_s = Lycopene_supplement</i>
N	Value	Description
16	Range	0 - 0 (median=0 mean=0.0 std=0.0)
8		Missing

NFQA283		<i>ridfe_s = Dietary Folate Equivalents_supplement</i>
N	Value	Description
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA284		<i>rinfol_s = Natural Folate_supplement</i>
N	Value	Description
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA285		<i>risfol_s = Synthetic Folate_supplement</i>
N	Value	Description
16	Range	0 - 813.15068493 (median=206.57534247 mean=227.465753425 std=252.151966578)
8		Missing

NFQA286		<i>rivarae_s = Total Vitamin A Activity (Retinol Activity Equivalents)_supplement</i>
N	Value	Description
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA287		<i>rikj_s = Energy (kilojoules)_supplement</i>
N	Value	Description
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA288		<i>riniaeq_s = Niacin Equivalents_supplement</i>
N	Value	Description
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

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Section A: Multi Diet FFQ

NFQA289		<i>ritsugar_s = Total Sugars_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA290		<i>riomega3_s = Omega-3 Fatty Acids_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA291		<i>rimn_s = Manganese_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
16	Range	0 - 0 (median=0 mean=0.0 std=0.0)
8		Missing

NFQA292		<i>rivite_s = Vitamin E (International Units)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA293		<i>rinatatoc_s= Natural Alpha-Tocopherol (RRR-alpha-tocopherol or d-alpha-tocopherol)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA294		<i>risynatoc_s= Synthetic Alpha-Tocopherol (all rac-alpha-tocopherol or dl-alpha-tocopherol)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA295		<i>ridaid_s = Daidzein_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

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NFQA296		<i>rigeni_s = Genistein_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA297		<i>riglyt_s = Glycitein_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA298		<i>ricoum_s = Coumestrol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA299		<i>ribioa_s = Biochanin A_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA300		<i>riformon_s = Formononetin_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA301		<i>riasugar_s = Added Sugars_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA302		<i>riacesk_s = Acesulfame Potassium_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 4 Section A

Section A: Multi Diet FFQ

NFQA303		<i>risucl_s = Sucralose_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA304		<i>riacho_s = Available Carbohydrate_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA305		<i>rigig_s = Glycemic Index (glucose reference)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA306		<i>rigib_s = Glycemic Index (bread reference)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA307		<i>riglg_s = Glycemic Load (glucose reference)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA308		<i>riglb_s = Glycemic Load (bread reference)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA309		<i>richoline_s= Choline_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

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Section A: Multi Diet FFQ

NFQA310		<i>ribetaine_s= Betaine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA311		<i>rieryth_s = Erythritol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA312		<i>riinos_s = Inositol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA313		<i>rilactl_s = Lactitol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA314		<i>rimaltitol_s= Maltitol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA315		<i>rimani_s = Mannitol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA316		<i>ripini_s = Pinitol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

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NFQA317		<i>risorb_s = Sorbitol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA318		<i>rixyli_s = Xylitol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA319		<i>rinitrogen_s= Nitrogen_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA320		<i>ricla_total_s=Total Conjugated Linoleic Acid (CLA 18:2)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA321		<i>ricla_c9t11_s=CLA cis-9, trans-11_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA322		<i>ricla_t10c12_sCLA trans-10, cis-12_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

NFQA323		<i>ritag_s = Tagatose_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	Range	0 - 0 (median=0 mean=0.0 std=0.0)
17		Missing

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Section A: Multi Diet FFQ

NFQA324		<i>rivd3_s = Vitamin D3 (cholecalciferol)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24		Missing

NFQA325		<i>riveiu_s = Vitamin E (International Units)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
15	Range	0 - 430.49315068 (median=15 mean=41.8 std=108.5)
9		Missing

NFQA326		<i>ribiotin_s = Biotin_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
15	Range	0 - 47.5 (median=0 mean=3.3 std=12.2)
9		Missing

NFQA327		<i>rib_s = Boron_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
15	Range	0 - 0 (median=0 mean=0.0 std=0.0)
9		Missing

NFQA328		<i>ricr_s = Chromium_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
15	Range	0 - 0 (median=0 mean=0.0 std=0.0)
9		Missing

NFQA329		<i>rii_s = Iodine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
15	Range	0 - 0 (median=0 mean=0.0 std=0.0)
9		Missing

NFQA330		<i>rimo_s = Molybdenum_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
15	Range	0 - 0 (median=0 mean=0.0 std=0.0)
9		Missing

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Section A: Multi Diet FFQ

NFQA331		<i>rini_s = Nickel_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
15	Range	0 - 0 (median=0 mean=0.0 std=0.0)
9		Missing

NFQA332		<i>risi_s = Silicon_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
15	Range	0 - 0 (median=0 mean=0.0 std=0.0)
9		Missing

NFQA333		<i>riv_s = Vanadium_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
15	Range	0 - 0 (median=0 mean=0.0 std=0.0)
9		Missing

NFQA334		<i>risacc_s = Saccharin_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24		Missing

NFQA335		<i>riisom_s = Isomalt_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24		Missing

SOLNAS_VISIT		<i>SOLNAS study visits: 1,2,3 or 4</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	4	visit 4

SOLNAS_STUDY		<i>SOLNAS study: 'M'=SOLNAS Main studies, where visit=1 or 2; 'R'=SOLNAS reliability study, where visit=3 or 4</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
24	R	Reliability Studies

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 5 Section A

Section A: Counts

Counts per minute at daily level: FORM CODE=PA_ VERSION=C

DAY		Consecutive day (day=1 is the day after the clinic visit)
N	Value	Description
92	1	Day 1 (day after clinic visit)
91	2	Day 2
91	3	Day 3
89	4	Day 4
88	5	Day 5
88	6	Day 6

ACTICALID		Actical device identification number
N	Value	Description
539	Present	Variable/Text Values Suppressed

ACTICAL_DATE		Initialization date (First day that Actical starts recording cnts/min)
N	Value	Description
539	Range	01/18/2012 - 09/07/2012

ON_DATE		Date participant starts wearing the Actical (DAY 1)
N	Value	Description
539	Range	01/17/2012 - 09/07/2012

CLINICDAY		Actical_date is the same as on_date (1=Yes, 0=No)
N	Value	Description
245	0	Otherwise
294	1	Actical_date is equal to on_date

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 5 Section A

Section A: Counts

DAY_OF_WK		Day of the week (1=Sunday,2=Monday, ...,7=Saturday)
N	Value	Description
81	1	Sunday
79	2	Monday
80	3	Tuesday
80	4	Wednesday
65	5	Thursday
67	6	Friday
87	7	Saturday

WEEKDAY		Week day indicator (1=Monday to Friday,0=Saturday or Sunday)
N	Value	Description
168	0	Saturday or Sunday
371	1	Monday to Friday

CNTS_MIN		Average counts per minute
N	Value	Description
501	Range	2.5263157895 - 1576.3012987 (median=116.01690141 mean=153.130917877 std=146.691760505)
38		Missing

TOTHR		Total hours monitor was worn per day
N	Value	Description
539	Range	0 - 24 (median=13.916666667 mean=12.9511131725 std=6.7448822367)

ADHERENT		Actual was worn >= 10 hours (1= Yes, 0=No)
N	Value	Description
140	0	No
399	1	Yes

TOTSED		Total minutes/day of sedentary activity (<100 counts/min)
N	Value	Description
539	Range	0 - 1295 (median=615 mean=579.6 std=320.4)

TOTLIGHT		Total minutes/day of light activity (100-1534 counts/min)
N	Value	Description
539	Range	0 - 889 (median=164 mean=177.9 std=139.5)

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 5 Section A

Section A: Counts

<i>TOTMOD</i>		<i>Total minutes/day of moderate activity (1535-3961 counts/min)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
539	Range	0 - 191 (median=6 mean=17.5 std=27.0)

<i>TOTVIG</i>		<i>Total minutes/day of vigorous activity (>=3962 counts/minute)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
539	Range	0 - 106 (median=0 mean=2.1 std=8.9)

<i>TOTMV</i>		<i>Total minutes/day of moderate or vigorous activity (>=1535 counts/min)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
539	Range	0 - 250 (median=6 mean=19.6 std=31.9)

<i>TOTMOD_BOUT</i>		<i>Total minutes/day of moderate activity (1535-3961 counts/min) in bouts</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
539	Range	0 - 191 (median=0 mean=7.4 std=20.0)

<i>TOTVIG_BOUT</i>		<i>Total minutes/day of vigorous activity (>=3962 counts/minute) in bouts</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
539	Range	0 - 74 (median=0 mean=0.8 std=5.5)

<i>TOTMV_BOUT</i>		<i>Total minutes/day of moderate or vigorous activity (>=1535 counts/min) in bouts</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
539	Range	0 - 212 (median=0 mean=10.0 std=25.6)

<i>N_WEAR_DAYS</i>		<i>Count for number of wear days</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	1	1 day
6	3	3 days
4	4	4 days
528	6	6 days

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 5 Section A**Section A: Counts**

N_ADH_DAYS		Count for number of adherent days (≥ 10 hrs)
N	Value	Description
25	0	0 days
30	1	1 day
39	2	2 days
37	3	3 days
96	4	4 days
102	5	5 days
210	6	6 days

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 5 Section A

Section A: Counts

Actical derived variables at the participant level: FORM CODE=PA_ VERSION=D

ACTICALID		Actical device identification number
N	Value	Description
92	Present	Variable/Text Values Suppressed

ACTICAL_DATE		Initialization date (first day that Actical starts recording cnts/min)
N	Value	Description
92	Range	01/18/2012 - 09/07/2012

ON_DATE		Date participant starts wearing the Actical (DAY 1)
N	Value	Description
92	Range	01/17/2012 - 09/07/2012

CLINICDAY		Actical initialized to start recording counts on clinic date(1=Yes,0=No)
N	Value	Description
43	0	Otherwise
49	1	Actical_date is equal to on_date

ADHERENTYN		Participant has at least 3 adherent (>=10 hrs) days
N	Value	Description
17	0	No
75	1	Yes

WKENDDAY_INCLUDED		Summarized activity includes at least one adherent weekend day (1=yes, 0=no)
N	Value	Description
25	0	No
67	1	Yes

N_WEAR_DAYS		Count for number of wear days
N	Value	Description
1	1	1 day
2	3	3 days
1	4	4 days
88	6	6 days

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Section A: Counts

N_ADH_DAYS		Count for number of adherent (>=10hrs) days
N	Value	Description
5	0	0 days
5	1	1 day
7	2	2 days
7	3	3 days
16	4	4 days
17	5	5 days
35	6	6 days

N_ADH_WKENDDAY S		Count for number of adherent weekend days
N	Value	Description
23	0	0 days
26	1	1 day
43	2	2 days

N_ADH_WKDAY		Count for number of adherent week days
N	Value	Description
6	0	0 days
7	1	1 day
12	2	2 days
17	3	3 days
45	4	4 days
5	5	5 days

HRS_DAY		hrs/day (average) monitor was worn
N	Value	Description
75	Range	10.527777778 - 23.166666667 (median=15.841666667 mean=16.0956555556 std=2.9764555717)
17		Missing

CNTS_MIN_DAY		cnts/min (average) per day monitor was worn
N	Value	Description
75	Range	29.370747561 - 823.11398262 (median=141.52579211 mean=166.660496274 std=124.403659196)
17		Missing

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Section A: Counts

SED_DAY		min/day (average) of sedentary activity (<100 counts/min)
N	Value	Description
75	Range	227 - 1075 (median=731.66666667 mean=717.086000000 std=171.647975521)
17		Missing

LIGHT_DAY		min/day (average) of light activity (100-1534 counts/min)
N	Value	Description
75	Range	72 - 817.16666667 (median=202.33333333 mean=223.651333333 std=116.647393606)
17		Missing

MOD_DAY		min/day (average) of moderate activity (1535-3961 counts/min)
N	Value	Description
75	Range	0.166666667 - 97.5 (median=15 mean=22.4 std=22.2)
17		Missing

VIG_DAY		min/day (average) of vigorous activity (>=3962 cnts/min)
N	Value	Description
75	Range	0 - 50.66666667 (median=0.166666667 mean=2.62222222222 std=7.24759789000)
17		Missing

MV_DAY		min/day (average) of moderate or vigorous activity (>=1535 counts/min)
N	Value	Description
75	Range	0.166666667 - 121.16666667 (median=15.25 mean=25.002 std=26.633)
17		Missing

MOD_WEEK		min/week (average) of moderate activity (1535-3961 counts/min)
N	Value	Description
75	Range	1.166666667 - 682.5 (median=105 mean=156.7 std=155.4)
17		Missing

VIG_WEEK		min/week (average) of vigorous activity (>=3962 counts/minute)
N	Value	Description
75	Range	0 - 354.66666667 (median=1.166666667 mean=18.3555555556 std=50.73318523002)
17		Missing

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 5 Section A

Section A: Counts

MV_WEEK		min/week (average) of moderate or vigorous activity (≥ 1535 counts/min)
N	Value	Description
75	Range	1.166666667 - 1013.833333 (median=108.5 mean=193.37 std=224.76)
17		Missing

MOD_DAY_BOUT		min/day (average) of moderate activity (1535-3961 counts/min) in BOUTS
N	Value	Description
75	Range	0 - 67.25 (median=4.2 mean=9.84 std=16.06)
17		Missing

VIG_DAY_BOUT		min/day (average) of vigorous activity (≥ 3962 counts/minute) in BOUTS
N	Value	Description
75	Range	0 - 31.66666667 (median=0 mean=1.0 std=4.2)
17		Missing

MV_DAY_BOUT		min/day (average) of moderate or vigorous activity in BOUTS
N	Value	Description
75	Range	0 - 96.16666667 (median=5.5 mean=13.14 std=21.64)
17		Missing

MOD_WEEK_BOUT		min/week (average) of moderate activity (1535-3961 counts/min) in BOUTS
N	Value	Description
75	Range	0 - 470.75 (median=29.4 mean=68.88 std=112.40)
17		Missing

VIG_WEEK_BOUT		min/week (average) of vigorous activity (≥ 3962 counts/minute) in BOUTS
N	Value	Description
75	Range	0 - 221.6666667 (median=0 mean=7.3 std=29.2)
17		Missing

MV_WEEK_BOUT		min/week (average) of moderate or vigorous activity (≥ 1535 counts/min) in BOUTS
N	Value	Description
75	Range	0 - 565.8333333 (median=35 mean=83.6 std=135.5)
17		Missing

SOLNAS Reliability Study Code Book (INV version 2.0), Chapter 5 Section A

Section A: Counts

<i>PAG2008</i>		<i>Activity level per 2008 PA guidelines (categorical - 4 levels)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
42	2	Low
17	3	Medium
16	4	High
17		Missing

<i>PAG2008YN</i>		<i>Meets 2008 activity level guidelines (1=Yes, 0=No)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
42	0	No
33	1	Yes
17		Missing

<i>PAG2008_BOUT</i>		<i>Activity level per 2008 PA guidelines from bouts only (categorical - 4 levels)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
31	1	Inactive
31	2	Low
7	3	Medium
6	4	High
17		Missing

<i>PAG2008YN_BOUT</i>		<i>Meets 2008 activity level guidelines from bouts only (1=Yes, 0=No)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
62	0	No
13	1	Yes
17		Missing