



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

**SOLNAS Main Study CODEBOOK
Version 2.1
January 10, 2022**

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Study of Latinos Nutrition Assessment Study (SOLNAS)

SOLNAS Main Study CODEBOOK

Ver. 2.1 (Jan 2022)

Updates to SOLNAS Data Release or Documentation

Version	Date	Description	Datasets	Documentation
1	10/28/2013	1 st data release	_INV1	V1 (Oct. 2013)
2	10/31/2014	2 nd data release - NEW files released for 1 st time (e.g., Multicultural FFQ, QC_LAB, QC_DLWA) - 3 files with minor corrections	_INV2	V2 (Oct. 2014)
2	1/10/2022	- Only QC_LAB_SOLNAS data file (missing values for some micronutrients were recuperated)	_INV2 (12/20/20)	V2.1 (Jan. 2022)

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SOLNAS Main 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.

BIEA0A		0a. Date of form completion:
N	Value	Description
485	Range	02/10/2011 - 04/04/2012

BIEA0B		0b. Staff ID:
N	Value	Description
		This variable has been removed

BIEA1		1. Participant is:
N	Value	Description
191	1	Male
294	2	Female [skip to Q.9]

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

BIEA2		2. Reflects what you think you look like
N	Value	Description
2	1	Male Image 1
7	2	Male Image 2
25	3	Male Image 3
33	4	Male Image 4
49	5	Male Image 5
48	6	Male Image 6
19	7	Male Image 7
6	8	Male Image 8
2	9	Male Image 9
294	..S	Skip Rule Followed

SOLNAS Main 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>
3	1	Male Image 1
15	2	Male Image 2
30	3	Male Image 3
42	4	Male Image 4
50	5	Male Image 5
25	6	Male Image 6
18	7	Male Image 7
5	8	Male Image 8
3	9	Male Image 9
294	.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>
4	1	Male Image 1
14	2	Male Image 2
36	3	Male Image 3
79	4	Male Image 4
54	5	Male Image 5
3	6	Male Image 6
1	7	Male Image 7
294	.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>
4	1	Male Image 1
12	2	Male Image 2
43	3	Male Image 3
82	4	Male Image 4
48	5	Male Image 5
2	6	Male Image 6
294	.S	Skip Rule Followed

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

Section A: Visit 1 or 3 Forms

<i>BIEA6</i>		<i>6. You think is most preferred by men</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5	1	Male Image 1
16	2	Male Image 2
39	3	Male Image 3
72	4	Male Image 4
51	5	Male Image 5
7	6	Male Image 6
1	7	Male Image 7
294	.S	Skip Rule Followed

<i>BIEA7</i>		<i>7. You think is most preferred by women</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5	1	Male Image 1
13	2	Male Image 2
44	3	Male Image 3
91	4	Male Image 4
34	5	Male Image 5
4	6	Male Image 6
294	.S	Skip Rule Followed

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

<i>BIEA8</i>		<i>8. You think is most preferred by men</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2	1	Female Image 1 <i>[skip to End]</i>
30	2	Female Image 2 <i>[skip to End]</i>
67	3	Female Image 3 <i>[skip to End]</i>
78	4	Female Image 4 <i>[skip to End]</i>
10	5	Female Image 5 <i>[skip to End]</i>
294	.S	Skip Rule Followed
4		Missing

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

SOLNAS Main 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	1	Female Image 1
8	2	Female Image 2
28	3	Female Image 3
76	4	Female Image 4
93	5	Female Image 5
47	6	Female Image 6
22	7	Female Image 7
10	8	Female Image 8
6	9	Female Image 9
191	.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>
6	1	Female Image 1
11	2	Female Image 2
34	3	Female Image 3
65	4	Female Image 4
72	5	Female Image 5
58	6	Female Image 6
24	7	Female Image 7
12	8	Female Image 8
12	9	Female Image 9
191	.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>
6	1	Female Image 1
50	2	Female Image 2
123	3	Female Image 3
83	4	Female Image 4
29	5	Female Image 5
3	6	Female Image 6
191	.S	Skip Rule Followed

SOLNAS Main 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>
10	1	Female Image 1
84	2	Female Image 2
130	3	Female Image 3
60	4	Female Image 4
9	5	Female Image 5
1	6	Female Image 6
191	.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>
30	1	Female Image 1
85	2	Female Image 2
120	3	Female Image 3
50	4	Female Image 4
6	5	Female Image 5
2	6	Female Image 6
191	.S	Skip Rule Followed
1		Missing

<i>BIEA14</i>		<i>14. You think is most preferred by women</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
51	1	Female Image 1
109	2	Female Image 2
107	3	Female Image 3
25	4	Female Image 4
2	5	Female Image 5
191	.S	Skip Rule Followed

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

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

<i>BIEA15</i>		<i>15. You think is most preferred by women</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
8	1	Male Image 1
51	2	Male Image 2
93	3	Male Image 3
106	4	Male Image 4
35	5	Male Image 5
1	6	Male Image 6
191	.S	Skip Rule Followed

SOLNAS Main 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
485	Range	01/06/2011 - 04/04/2012

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
17	0	None
17	1	15 min or less
28	2	30 min
87	3	1 hr
110	4	2 hrs
94	5	3 hrs
49	6	4 hrs
29	7	5 hrs
54	8	6 hrs or more

SDEA2		2. Playing computer or video games.
N	Value	Description
346	0	None
12	1	15 min or less
24	2	30 min
41	3	1 hr
30	4	2 hrs
13	5	3 hrs
5	6	4 hrs
6	7	5 hrs
8	8	6 hrs or more

SOLNAS Main 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
171	0	None
28	1	15 min or less
55	2	30 min
112	3	1 hr
56	4	2 hrs
22	5	3 hrs
13	6	4 hrs
13	7	5 hrs
15	8	6 hrs or more

SDEA4		4. Sitting and talking on the phone
N	Value	Description
82	0	None
94	1	15 min or less
102	2	30 min
118	3	1 hr
47	4	2 hrs
20	5	3 hrs
8	6	4 hrs
4	7	5 hrs
10	8	6 hrs or more

SDEA5		5. Doing paperwork or computer work (office work, emails, paying the Bills, etc.)
N	Value	Description
194	0	None
35	1	15 min or less
60	2	30 min
91	3	1 hr
45	4	2 hrs
17	5	3 hrs
15	6	4 hrs
7	7	5 hrs
20	8	6 hrs or more
1		Missing

SOLNAS Main 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
126	0	None
56	1	15 min or less
99	2	30 min
119	3	1 hr
61	4	2 hrs
7	5	3 hrs
10	6	4 hrs
3	7	5 hrs
4	8	6 hrs or more

SDEA7		7. Playing a musical instrument.
N	Value	Description
450	0	None
9	1	15 min or less
14	2	30 min
7	3	1 hr
4	4	2 hrs
1	6	4 hrs

SDEA8		8. Doing artwork or crafts.
N	Value	Description
397	0	None
14	1	15 min or less
14	2	30 min
33	3	1 hr
11	4	2 hrs
13	5	3 hrs
2	7	5 hrs
1	8	6 hrs or more

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

<i>SDEA9</i>		<i>9. Riding or driving cars, buses, or trains.</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
71	0	None
14	1	15 min or less
56	2	30 min
135	3	1 hr
91	4	2 hrs
53	5	3 hrs
23	6	4 hrs
15	7	5 hrs
27	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)

<i>SDEA10</i>		<i>10. Watching television (including videos on VCR/DVD).</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
40	0	None
11	1	15 min or less
16	2	30 min
73	3	1 hr
104	4	2 hrs
82	5	3 hrs
61	6	4 hrs
26	7	5 hrs
72	8	6 hrs or more

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

<i>SDEA11</i>		<i>11. Playing computer or video games.</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
356	0	None
6	1	15 min or less
18	2	30 min
43	3	1 hr
23	4	2 hrs
15	5	3 hrs
11	6	4 hrs
3	7	5 hrs
10	8	6 hrs or more

<i>SDEA12</i>		<i>12. Sitting and listening to music on the radio, tapes, or CDs.</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
171	0	None
13	1	15 min or less
38	2	30 min
118	3	1 hr
73	4	2 hrs
32	5	3 hrs
15	6	4 hrs
4	7	5 hrs
21	8	6 hrs or more

<i>SDEA13</i>		<i>13. Sitting and talking on the phone</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
92	0	None
70	1	15 min or less
100	2	30 min
101	3	1 hr
67	4	2 hrs
29	5	3 hrs
7	6	4 hrs
6	7	5 hrs
13	8	6 hrs or more

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

Section A: Visit 1 or 3 Forms

SDEA14		14. Doing paperwork or computer work (office work, emails, paying the bills, etc.)
N	Value	Description
282	0	None
30	1	15 min or less
42	2	30 min
74	3	1 hr
30	4	2 hrs
13	5	3 hrs
7	6	4 hrs
2	7	5 hrs
5	8	6 hrs or more

SDEA15		15. Sitting and reading books or magazines.
N	Value	Description
183	0	None
29	1	15 min or less
68	2	30 min
107	3	1 hr
67	4	2 hrs
20	5	3 hrs
5	6	4 hrs
2	7	5 hrs
4	8	6 hrs or more

SDEA16		16. Playing a musical instrument.
N	Value	Description
449	0	None
7	1	15 min or less
10	2	30 min
7	3	1 hr
7	4	2 hrs
2	5	3 hrs
2	6	4 hrs
1	8	6 hrs or more

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

<i>SDEA17</i>		<i>17. Doing artwork or crafts.</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
409	0	None
7	1	15 min or less
13	2	30 min
25	3	1 hr
16	4	2 hrs
7	5	3 hrs
5	6	4 hrs
2	7	5 hrs
1	8	6 hrs or more

<i>SDEA18</i>		<i>18. Riding or driving cars, buses, or trains.</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
106	0	None
9	1	15 min or less
53	2	30 min
119	3	1 hr
88	4	2 hrs
53	5	3 hrs
31	6	4 hrs
11	7	5 hrs
15	8	6 hrs or more

SOLNAS Main 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
480	Range	02/22/2011 - 04/17/2012

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
480	Range	103 - 129 (median=123 mean=122.4 std=4.2)

SUCA1B		B = Bottle #1 with urine (grams)
N	Value	Description
477	Range	118 - 3162 (median=1718 mean=1535.1 std=751.4)
3		Missing

SUCA1C		C = B - A = Urine from Bottle #1 (grams)
N	Value	Description
477	Range	0 - 3037 (median=1590 mean=1412.7 std=751.6)
3		Missing

2. Bottle #2

SUCA2A		D = Bottle #2 without urine (grams)
N	Value	Description
480	Range	104 - 129 (median=123 mean=122.0 std=5.0)

SOLNAS Main 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>
474	Range	105 - 3149 (median=460.5 mean=824.07 std=824.95)
6		Missing

<i>SUCA2C</i>		<i>F= E - D= Urine from Bottle #2 (grams)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
474	Range	0 - 3025 (median=337 mean=702.1 std=824.9)
6		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>
478	Range	0 - 6062 (median=1899.5 mean=2106.02 std=1089.08)
2		Missing

SOLNAS Main 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
1356	Range	01/05/2011 - 04/26/2012
2		Missing

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

TSEA0C		Check Form:
N	Value	Description
1350	1	Visit 1
8		Missing

A. Basic Eligibility information

TSEA1		1. Does the participant prefer Spanish or English?
N	Value	Description
947	1	Spanish
249	2	English
162		Missing

TSEA2		2. Has second 24 Hour Dietary Recall Interview from SOL study been completed?
N	Value	Description
1204	1	Yes
154		Missing

B. Screening Questionnaire

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

Section A: Visit 1 or 3 Forms

TSEA3		3. Gender:
N	Value	Description
489	1	Male [skip to Q.6]
734	2	Female
135		Missing

Females Only

TSEA4		4. Are you pregnant or planning to become pregnant in the next six months?
N	Value	Description
467	0	No
11	1	Yes [skip to Q.19]
489	.S	Skip Rule Followed
391		Missing

TSEA5		5. Are you breastfeeding or planning to breastfeed in the next six months?
N	Value	Description
466	0	No
1	1	Yes [skip to Q.19]
500	.S	Skip Rule Followed
391		Missing

Males and Females

TSEA6		6. Do you take insulin or any other medication for diabetes?
N	Value	Description
786	0	No
12	1	Yes [skip to Q.19]
13	.S	Skip Rule Followed
547		Missing

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

<i>TSEA7</i>		<i>7. Do you take any medications that are required to be taken with food?</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
779	0	No
7	1	Yes <i>[skip to Q.19]</i>
25	.S	Skip Rule Followed
547		Missing

<i>TSEA8</i>		<i>8. Do you routinely receive supplemental oxygen?</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
776	0	No
3	1	Yes <i>[skip to Q.19]</i>
32	.S	Skip Rule Followed
547		Missing

<i>TSEA9</i>		<i>9. Do you have problems with bladder control that may make it difficult for you to collect urine?</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
767	0	No <i>[skip to Q.10]</i>
9	1	Yes
35	.S	Skip Rule Followed
547		Missing

<i>TSEA9A</i>		<i>9a. Do you need or wear special undergarments for bladder control?</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	0	No
2	1	Yes <i>[skip to Q.19]</i>
802	.S	Skip Rule Followed
547		Missing

<i>TSEA9B</i>		<i>9b. Do you take any medications to control bladder function? (e.g. DetrolTM)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	0	No
804	.S	Skip Rule Followed
547		Missing

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

<i>TSEA10</i>		<i>10. Have you tried to lose or gain weight during the past four weeks, by decreasing your food intake and/or increasing physical activity?</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
651	0	No <i>[skip to Q.11]</i>
123	1	Yes
37	.S	Skip Rule Followed
547		Missing

<i>TSEA10A</i>		<i>10a. Have you lost or gained more than 15 pounds during the past four weeks?</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
116	0	No
7	1	Yes <i>[skip to Q.19]</i>
688	.S	Skip Rule Followed
547		Missing

<i>TSEA11</i>		<i>11. Have you gained or lost weight without trying during the past four weeks?</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
705	0	No <i>[skip to Q.12]</i>
62	1	Yes
44	.S	Skip Rule Followed
547		Missing

<i>TSEA11A</i>		<i>11a. Have you lost or gained more than 15 pounds during the past four weeks?</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
58	0	No
4	1	Yes <i>[skip to Q.19]</i>
749	.S	Skip Rule Followed
547		Missing

<i>TSEA12</i>		<i>12. Are you starting new medications that affect weight such as thyroid, weight loss or chemotherapy medications or diuretics that are used irregularly?</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
758	0	No
5	1	Yes <i>[skip to Q.19]</i>
48	.S	Skip Rule Followed
547		Missing

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

Section A: Visit 1 or 3 Forms

TSEA13		13. Are you interested in participating in this study?
N	Value	Description
124	0	No [skip to Q.19]
662	1	Yes
53	.S	Skip Rule Followed
519		Missing

TSEA13A		13a. Your first visit is on (Appointment Date):
N	Value	Description
617	Range	01/04/2011 - 04/06/2012
177	.S	Skip Rule Followed
564		Missing

TSEA13A1		at Appointment Time:
N	Value	Description
617	Range	7:30 - 11:00
177	.S	Skip Rule Followed
564		Missing

TSEA13A2		(A=AM, P=PM):
N	Value	Description
617	A	AM
177	~	Skip Rule Followed
564		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
27	0	No
607	1	Yes
177	.S	Skip Rule Followed
547		Missing

SOLNAS Main 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
614	Range	01/17/2011 - 09/24/2012
177	.S	Skip Rule Followed
567		Missing

TSEA13C1		at Appointment Time:
N	Value	Description
613	Range	7:00 - 12:00
177	.S	Skip Rule Followed
568		Missing

TSEA13C2		(A=AM, P=PM):
N	Value	Description
610	A	AM
3	P	PM
177	~	Skip Rule Followed
568		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
12	0	No
609	1	Yes
177	.S	Skip Rule Followed
560		Missing

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
620	0	No
1	1	Yes [skip to Q.19]
177	.S	Skip Rule Followed
560		Missing

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

Section A: Visit 1 or 3 Forms

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
616	0	No [skip to Q.16]
10	1	Yes
178	.S	Skip Rule Followed
554		Missing

TSEA15A		a. Would you be willing to reschedule your travel plans to participate in this study?
N	Value	Description
9	0	No [skip to Q.19]
794	.S	Skip Rule Followed
555		Missing

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
827	F	Female
531	M	Male

BKGRD1_C7		7-level re-classification of Hispanic/Latino background from HCHS Main study
N	Value	Description
177	0	Dominican
140	1	Central American
171	2	Cuban
408	3	Mexican
348	4	Puerto Rican
114	5	South American

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

Section A: Visit 1 or 3 Forms

<i>RACE</i>		<i>Self identification of racial group in HCHS Main study</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
49	1	American Indian or Alaskan Native
5	2	Asian
7	3	Native Hawaiian or Other Pacific Islander
57	4	Black or African-American
507	5	White
194	6	More than one race
539	9	Refuse

<i>EDUCATION_C2</i>		<i>Education (2-level)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
473	1	Less Than High School
885	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>
473	1	Less Than High School
339	2	High School or Equivalent
546	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>
187	1	Less than \$10,000
432	2	\$10,001-\$20,000
441	3	\$20,001-\$40,000
149	4	\$40,001-\$75,000
47	5	More than \$75,000
102		Missing

<i>MARITAL_STATUS</i>		<i>Marital Status (3-level grouped marital status)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
378	1	Single
682	2	Married or living with a partner
297	3	Separated, divorced, or widow(er)
1		Missing

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

Section A: Visit 1 or 3 Forms

<i>EMPLOYED</i>		<i>Employed (4-level grouped employment status)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
103	1	Retired and not currently employed.
562	2	Not retired and not currently employed
247	3	Employed part-time (<=35 hours/week)
444	4	Employed full-time (>35 hours/week)
2		Missing

E. Final Disposition

<i>TSEA19</i>		<i>19. Individual Participation Status:</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
341	1	Refuses to participate
175	2	Unable to contact, status unknown
226	3	Ineligible
604	4	Agrees to participate
12		Missing

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

Section A: Visit 1 or 3 Forms

VISIT 1 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
487	Range	01/06/2011 - 04/04/2012

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

VEEA1		1. Check Form:
N	Value	Description
486	1	Visit 1
1		Missing

VEEA2		2. Participant is:
N	Value	Description
191	1	Male [skip to Q.5]
296	2	Female

VEEA3		3. Are you pregnant or planning to become pregnant in the next six months?
N	Value	Description
293	0	No
193	.S	Skip Rule Followed
1		Missing

VEEA4		4. Are you breastfeeding or planning to breastfeed in the next six months?
N	Value	Description
293	0	No
193	.S	Skip Rule Followed
1		Missing

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

VEEA5		5. Have you taken insulin or any other medication for diabetes since we last talked by phone?
N	Value	Description
485	0	No
2		Missing

VEEA6		6. Have you received supplemental oxygen during the past two weeks?
N	Value	Description
485	0	No [skip to Q.7]
2		Missing

VEEA6A		6.a. Are you willing to reschedule?
N	Value	Description
2	0	No [skip to Q.11]
485	.S	Skip Rule Followed

VEEA7		7. Have you received blood transfusions or intravenous fluids during the past two weeks?
N	Value	Description
487	0	No [skip to Q.8]

VEEA7A		7.a. Are you willing to reschedule?
N	Value	Description
487	.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
486	0	No [skip to Q.9]
1	1	Yes

VEEA8A		8.a.Are you willing to reschedule?
N	Value	Description
1	0	No [skip to Q.11]
486	.S	Skip Rule Followed

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

VEEA9		9. Have you traveled more than 200 miles (one-way) away from home during the past two weeks?
N	Value	Description
486	0	No [skip to Q.10]
1	.S	Skip Rule Followed

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

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

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
480	0	No [skip to Q.11]
5	1	Yes
1	.S	Skip Rule Followed
1		Missing

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
5	1	Yes [skip to Q.10b]
481	.S	Skip Rule Followed
1		Missing

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

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

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

VEEA10B1		10.b.1 Note time when participant last ate or drank:
N	Value	Description
5	Range	2:00 - 7:15
481	.S	Skip Rule Followed
1		Missing

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

VEEA10B2		10.b.2 Note time when the 4-hour SOLNAS fast will be complete:
N	Value	Description
5	Range	6:00 - 11:15
481	.S	Skip Rule Followed
1		Missing

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

VEEA11		11. Visit Eligibility Summary
N	Value	Description
2	0	Ineligible [skip to End]
485	2	Eligible [skip to End]

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

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

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

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

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

Section A: Visit 1 or 3 Forms

The Visit 1 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
485	Range	02/10/2011 - 04/04/2012

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

VSEA1		1. Check Form:
N	Value	Description
485	1	Visit 1

VSEA2		2. SOLNAS Consent Signed:
N	Value	Description
485	1	Yes

3. HEIGHT AND WEIGHT:

VSEA3A		3.a Height (cm):
N	Value	Description
485	Range	139 - 188 (median=161.8 mean=162.36 std=9.34)

VSEA3B		3.b Weight(kg):
N	Value	Description
485	Range	44.4 - 170.3 (median=76.5 mean=78.84 std=18.43)

VSEA3C		3.c Calculate DLW dosage: Weight in kg X 1.4 (g of DLW)=
N	Value	Description
485	Range	62.16 - 238.42 (median=107.1 mean=110.38 std=25.80)

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

SOLNAS Main 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
438	0	No [skip to Q.6]
47	1	Yes

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

6. TIME 0 (Fasting)

VSEA6A		6a. URINE COLLECTION Time:
N	Value	Description
485	Range	7:39 - 11:54

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

7. DOUBLY LABELED WATER DOSING:

VSEA7A		7.a DLW Dose Weight(g):
N	Value	Description
485	Range	62.93 - 238.98 (median=109.44 mean=112.102 std=25.757)

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

VSEA7C		7.c Time of DLW Dose:
N	Value	Description
485	Range	7:47 - 11:58

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

Section A: Visit 1 or 3 Forms

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

VSEA7D		7.d DLW Spillage:
N	Value	Description
477	0	No
8	1	Yes

VSEA8		8. TIME 1 - One Hour After DLW: Was Meal Replacement Beverage (MRB) consumed?
N	Value	Description
13	0	No [skip to Q.9]
472	1	Yes

VSEA8A		Amount(mL):
N	Value	Description
472	Range	88 - 410 (median=237 mean=235.2 std=24.7)
13	.S	Skip Rule Followed

VSEA8B		Time:
N	Value	Description
472	Range	8:47 - 12:58
13	.S	Skip Rule Followed

VSEA8C		(A=AM, P=PM):
N	Value	Description
451	A	AM
21	P	PM
13	~	Skip Rule Followed

9. TIME 2 - Two Hours After DLW:

VSEA9		Bladder voided
N	Value	Description
1	0	No [skip to Q.10]
484	1	Yes

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

Section A: Visit 1 or 3 Forms

VSEA9A		Time:
N	Value	Description
484	Range	1:00 - 12:58
1	.S	Skip Rule Followed

VSEA9B		(A=AM, P=PM):
N	Value	Description
365	A	AM
119	P	PM
1	~	Skip Rule Followed

10. TIME 3 - Three Hours After DLW:

VSEA10A		10a. Time Collected:
N	Value	Description
485	Range	1:00 - 12:59

VSEA10A1		(A=AM, P=PM):
N	Value	Description
107	A	AM
378	P	PM

11. TIME 3 BLOOD DRAW

VSEA11A		11.a Participant Age:
N	Value	Description
405	0	Less than 60 [skip to Q.12]
78	1	60 or older
2		Missing

VSEA11B		11.b 10 mL Lavender dry EDTA vacutainer
N	Value	Description
77	1	Yes
405	.S	Skip Rule Followed
3		Missing

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

VSEA11C		11.c One 1.75 mL (in one 2 mL cryovial)
N	Value	Description
77	1	Yes
405	.S	Skip Rule Followed
3		Missing

VSEA11D		11.d Label "SOLNAS corresponding Visit" Number 40
N	Value	Description
77	1	Yes
405	.S	Skip Rule Followed
3		Missing

VSEA11E		11.e Time of Draw:
N	Value	Description
77	Range	1:00 - 12:57
405	.S	Skip Rule Followed
3		Missing

VSEA11E1		(A=AM, P=PM):
N	Value	Description
13	A	AM
64	P	PM
405	~	Skip Rule Followed
3		Missing

12. OTHER BEVERAGES CONSUMED

VSEA12A		12.a Beverage 1 Amount(mL):
N	Value	Description
442	Range	0 - 250 (median=136.5 mean=132.00 std=91.96)
43		Missing

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

VSEA12A1		Time:
N	Value	Description
323	Range	1:00 - 12:58
162		Missing

VSEA12A2		(A=AM, P=PM):
N	Value	Description
16	0	
172	A	AM
151	P	PM
146		Missing

VSEA12B		12.b Beverage 2 Amount(mL):
N	Value	Description
365	Range	0 - 250 (median=0 mean=57.0 std=81.8)
120		Missing

VSEA12B1		Time:
N	Value	Description
138	Range	1:00 - 12:56
347		Missing

VSEA12B2		(A=AM, P=PM):
N	Value	Description
57	0	
18	A	AM
120	P	PM
290		Missing

VSEA12C		12.c Beverage 3 Amount(mL):
N	Value	Description
324	Range	0 - 240 (median=0 mean=12.1 std=39.9)
161		Missing

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

VSEA12C1		Time:
N	Value	Description
33	Range	1:03 - 12:58
452		Missing

VSEA12C2		(A=AM, P=PM):
N	Value	Description
91	0	
1	A	AM
31	P	PM
362		Missing

VSEA12D		12.d Beverage 4 Amount(mL):
N	Value	Description
313	Range	0 - 155 (median=0 mean=2.1 std=15.9)
172		Missing

VSEA12D1		Time:
N	Value	Description
6	Range	1:06 - 2:56
479		Missing

VSEA12D2		(A=AM, P=PM):
N	Value	Description
104	0	
6	P	PM
375		Missing

13. TIME 4 - Four Hours After DLW

VSEA13A		13.a Time Collected:
N	Value	Description
485	Range	1:00 - 12:58

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

Section A: Visit 1 or 3 Forms

VSEA13A1		(A=AM, P=PM):
N	Value	Description
4	A	AM
481	P	PM

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

VSEA14		Is participant hypersensitive to PABA-containing sunscreens or allergic to PABA?
N	Value	Description
478	0	No
7	1	Yes

VSEA14A		14.a Are the three PABA (B-Vitamin) tablets removed from the 24-hour urine collection kit?
N	Value	Description
461	0	No
24	1	Yes

15. SPECIMEN INVENTORY CHECKLIST

VSEA15A		15.a Tube # 30- Time 0 Urine Collected?
N	Value	Description
485	1	Yes

VSEA15B		15.b Tube #33- Time 3 Urine Collected?
N	Value	Description
485	1	Yes

VSEA15C		15.c Tube #34- Time 4 Urine Collected?
N	Value	Description
485	1	Yes

VSEA15D		15.d Tube #40- Plasma 60 y.o. Collected?
N	Value	Description
409	0	No
76	1	Yes

SOLNAS Main Study Code Book (INV version 2.0), Chapter 1 Section A
Section A: Visit 1 or 3 Forms
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
8	0	No
39	1	Yes
438	.S	Skip Rule Followed

VSEA16B		16.b Tube #33- Time 3 Urine Collected?
N	Value	Description
8	0	No
39	1	Yes
438	.S	Skip Rule Followed

VSEA16C		16.c Tube #34- Time 4 Urine Collected?
N	Value	Description
8	0	No
39	1	Yes
438	.S	Skip Rule Followed

VSEA16D		If specimen collection is incomplete, please explain:
N	Value	Description
455	Present	Variable/Text Values Suppressed
30		Missing

SOLNAS Main 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
476	Range	02/22/2011 - 05/25/2012
1		Missing

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

CSEA1		1. Start Time:
N	Value	Description
473	Range	1:15 - 13:43
4		Missing

CSEA1A		(A= AM, P= PM)
N	Value	Description
415	A	AM
58	P	PM
4		Missing

CSEA2		2. Weight (kg):
N	Value	Description
473	Range	44.2 - 179.3 (median=76.7 mean=79.48 std=19.99)
4		Missing

CSEA3		3. Age:
N	Value	Description
473	Range	19 - 73 (median=49 mean=46.7 std=13.1)
4		Missing

CALORIMETRY SUMMARY:

4.a. VCO2 ml/min

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

Section B: Visit 2 or 4 Forms

CSEA4A1		Mean
N	Value	Description
470	Range	92 - 359 (median=171.5 mean=178.24 std=39.29)
7		Missing

CSEA4A2		SD
N	Value	Description
470	Range	0.8 - 112 (median=14 mean=17.9 std=12.8)
7		Missing

CSEA4A3		CV
N	Value	Description
470	Range	1.8 - 64 (median=8 mean=9.8 std=6.2)
7		Missing

4.b. VO2 ml/min

CSEA4B1		Mean
N	Value	Description
470	Range	23 - 439 (median=216 mean=224.2 std=49.7)
7		Missing

CSEA4B2		SD
N	Value	Description
470	Range	0.7 - 141 (median=14 mean=17.8 std=13.8)
7		Missing

CSEA4B3		CV
N	Value	Description
470	Range	2 - 63.9 (median=6.5 mean=7.80 std=5.46)
7		Missing

4.c. RQ

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

Section B: Visit 2 or 4 Forms

CSEA4C1		Mean
N	Value	Description
470	Range	0.63 - 1.13 (median=0.795 mean=0.8005 std=0.0738)
7		Missing

CSEA4C2		SD
N	Value	Description
470	Range	0.01 - 0.5 (median=0.03 mean=0.039 std=0.032)
7		Missing

CSEA4C3		CV
N	Value	Description
470	Range	1 - 20.3 (median=4 mean=4.7 std=2.9)
7		Missing

4.d. EE kcal/d

CSEA4D1		Mean
N	Value	Description
470	Range	851 - 3034 (median=1479 mean=1538.7 std=330.3)
7		Missing

CSEA4D2		SD
N	Value	Description
470	Range	26 - 967 (median=98 mean=125.1 std=95.5)
7		Missing

CSEA4D3		CV
N	Value	Description
470	Range	2 - 63.9 (median=6.9 mean=8.02 std=5.53)
7		Missing

CSEA5		5. Actual Duration of RMR Measurement Post Run-In (mins):
N	Value	Description
471	Range	1 - 41 (median=20 mean=22.7 std=5.4)
6		Missing

SOLNAS Main 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
480	Range	01/16/2011 - 04/17/2012
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
474	Range	01/16/2011 - 04/16/2012
7		Missing

UCEA1B		1.b Time:
N	Value	Description
473	Range	1:00 - 12:30
8		Missing

UCEA1B1		(A=AM, P=PM):
N	Value	Description
465	A	AM
8	P	PM
8		Missing

UCEA2		2. Time of first PABA-B-Vitamin tablet:
N	Value	Description
465	Range	1:00 - 12:50
16		Missing

SOLNAS Main 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
441	A	AM
24	P	PM
16		Missing

UCEA3		3. Time of second PABA-B-Vitamin tablet:
N	Value	Description
465	Range	1:00 - 12:58
16		Missing

UCEA3A		(A=AM, P=PM):
N	Value	Description
36	A	AM
429	P	PM
16		Missing

UCEA4		4. Time of third PABA-B-Vitamin tablet:
N	Value	Description
458	Range	1:00 - 12:34
23		Missing

UCEA4A		(A=AM, P=PM):
N	Value	Description
24	A	AM
434	P	PM
23		Missing

5. End of Collection:

UCEA5A		5.a Date:
N	Value	Description
474	Range	01/01/2011 - 04/17/2012
7		Missing

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

UCEA5B		5.b Time:
N	Value	Description
472	Range	1:07 - 12:00
9		Missing

UCEA5B1		(A=AM, P=PM):
N	Value	Description
459	A	AM
13	P	PM
9		Missing

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

UCEA6		6. Did you miss any urine collections?
N	Value	Description
406	0	No [skip to Q.8]
66	1	Yes
9		Missing

UCEA7		7. If you missed urine collections, how many did you miss?
N	Value	Description
64	Range	1 - 5 (median=1 mean=1.4 std=0.8)
406	.S	Skip Rule Followed
11		Missing

UCEA8		8. Were you away from home during the collection period?
N	Value	Description
263	0	No [skip to Q.10]
208	1	Yes
10		Missing

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

UCEA9		9. If you were away from home, were you able to collect your urine?
N	Value	Description
38	0	No
169	1	Yes
263	.S	Skip Rule Followed
11		Missing

UCEA10		10. Were you able to collect your urine during the night?
N	Value	Description
49	0	No
422	1	Yes
10		Missing

UCEA11		11. Did you have any diarrhea during the collection period?
N	Value	Description
456	0	No
14	1	Yes
11		Missing

UCEA12		12. Did you spill any urine when pouring it into the bottle?
N	Value	Description
460	0	No
11	1	Yes
10		Missing

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

Section B: Visit 2 or 4 Forms

The Visit 2 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
478	Range	02/22/2011 - 04/17/2012

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

VTEA1		1. Check Form:
N	Value	Description
478	2	Visit 2

2. Weight:

VTEA2A		2.a Weight(kg):
N	Value	Description
478	Range	44.2 - 172.7 (median=76.6 mean=78.81 std=18.48)

VTEA2B		2.b Used Same Scale for Prior Visit Weight?
N	Value	Description
9	0	No
469	1	Yes

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

VTEA4		4. Is participant in QC Sample?
N	Value	Description
426	0	No [skip to Q.5]
52	1	Yes

SOLNAS Main 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
478	Present	Variable/Text Values Suppressed

5. TIME 0 (Fasting) URINE COLLECTION

VTEA5A		5a. Time Collected:
N	Value	Description
478	Range	1:00 - 12:58

VTEA5B		(A=AM, P=PM)
N	Value	Description
459	A	AM
19	P	PM

VTEA5C		5b. Collection Date:
N	Value	Description
478	Range	02/22/2011 - 04/17/2012

6. TIME 0 (Fasting) BLOOD DRAW

VTEA6A1		6.a. 6 mL Royal Blue vacutainer
N	Value	Description
1	0	No
476	1	Yes
1		Missing

VTEA6A2		Four 0.5 mL (minimum) serum (in four 2 mL cryovials)
N	Value	Description
8	0	No
469	1	Yes
1		Missing

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

VTEA6A3		Label "SOLNAS Visit" Number 00, 01, 02, 03
N	Value	Description
1	0	No
476	1	Yes
1		Missing

VTEA6B1		6.b. 10 mL Lavender dry EDTA vacutainer
N	Value	Description
2	0	No
475	1	Yes
1		Missing

VTEA6B2		Three 0.5 mL (minimum) plasma (in three 2 mL cryovials)
N	Value	Description
3	0	No
474	1	Yes
1		Missing

VTEA6B3		Label "SOLNAS Visit" Number 10, 11, 12
N	Value	Description
2	0	No
475	1	Yes
1		Missing

6.c. For participants 60 years or older ONLY

VTEA6C1		One 1.75 mL plasma (in one 2mL cryovial)
N	Value	Description
354	0	No
75	1	Yes
49		Missing

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

Section B: Visit 2 or 4 Forms

VTEA6C2		Label "SOLNAS Visit" number 20
N	Value	Description
356	0	No
73	1	Yes
49		Missing

VTEA6D		6.d. Time of Draw:
N	Value	Description
474	Range	1:08 - 12:58
4		Missing

VTEA6D1		(A=AM,P=PM)
N	Value	Description
1	0	
452	A	AM
22	P	PM
3		Missing

VTEA6E		6.e. Collection Date:
N	Value	Description
475	Range	01/18/2011 - 06/23/2012
3		Missing

7. 24-HOUR URINE COLLECTION AND PROCESSING

VTEA7A		7.a. Total Weight(g):
N	Value	Description
473	Range	328 - 6062 (median=1903 mean=2101.9 std=1072.1)
5		Missing

VTEA7B1		7.b. 10 mL Tube for centrifuging
N	Value	Description
1	0	No
475	1	Yes
2		Missing

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

Section B: Visit 2 or 4 Forms

VTEA7B2		Three 1.75 mL (in three 2mL cryovials)
N	Value	Description
476	1	Yes
2		Missing

VTEA7B3		Label "SOLNAS Visit" Number 60, 61, 62
N	Value	Description
476	1	Yes
2		Missing

VTEA7C		7.c. Collection Date:
N	Value	Description
476	Range	02/22/2011 - 04/17/2012
2		Missing

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
7	0	No [skip to Q.9]
470	1	Yes
1		Missing

VTEA8B		8.b How many PABA (B-Vitamin) tablets did the participant take?
N	Value	Description
5	0	0 tablets
3	1	1 tablet
9	2	2 tablets
452	3	3 tablets
1	9	Don't know
7	.S	Skip Rule Followed
1		Missing

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

VTEA8C		8.c Did the participant take any acetaminophen (for example, Tylenol) during the urine collection?
N	Value	Description
464	0	No
3	1	Yes
3	9	Don't Know
7	.S	Skip Rule Followed
1		Missing

VTEA8D		8.d Did the participant take any vitamins, other than the PABA(B-Vitamin) tablets, during the urine collection?
N	Value	Description
458	0	No
8	1	Yes
4	9	Don't Know
7	.S	Skip Rule Followed
1		Missing

9. TIME 1 URINE COLLECTION

VTEA9A		Time Collected:
N	Value	Description
477	Range	1:00 - 12:55
1		Missing

VTEA9A1		(A=AM, P=PM):
N	Value	Description
409	A	AM
68	P	PM
1		Missing

VTEA9B		9.b. Collection Date:
N	Value	Description
477	Range	02/22/2011 - 04/17/2012
1		Missing

10. SPECIMEN INVENTORY CHECKLIST

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

VTEA10A		10.a. Tube #00- Serum #1 Collected?
N	Value	Description
1	0	No
477	1	Yes

VTEA10B		10.b. Tube #01- Serum #2 Collected?
N	Value	Description
1	0	No
477	1	Yes

VTEA10C		10.c. Tube #02- Serum #3 Collected?
N	Value	Description
2	0	No
476	1	Yes

VTEA10D		10.d. Tube #03- Serum #4 Collected?
N	Value	Description
17	0	No
461	1	Yes

VTEA10E		10.e. Tube #10- Plasma #1 Collected?
N	Value	Description
1	0	No
477	1	Yes

VTEA10F		10.f. Tube #11- Plasma #2 Collected?
N	Value	Description
2	0	No
476	1	Yes

VTEA10G		10.g. Tube #12- Plasma #3 Collected?
N	Value	Description
5	0	No
473	1	Yes

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

VTEA10H		10.h. Tube #20- Plasma #4 Collected?
N	Value	Description
325	0	No
153	1	Yes

VTEA10I		10.i. Tube #50- Time 0 Urine Collected?
N	Value	Description
3	0	No
475	1	Yes

VTEA10J		10.j. Tube #51- Time 1 Urine Collected?
N	Value	Description
1	0	No
477	1	Yes

VTEA10K		10.k. Tube #60- 24hr Urine #1 Collected?
N	Value	Description
1	0	No
477	1	Yes

VTEA10L		10.l. Tube #61- 24hr Urine #2 Collected?
N	Value	Description
1	0	No
477	1	Yes

VTEA10M		10.m. Tube #62- 24hr Urine #3 Collected?
N	Value	Description
1	0	No
477	1	Yes

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

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

VTEA11A		11.a. Tube #00- QC Serum #1 Collected?
N	Value	Description
1	0	No
51	1	Yes
426	..S	Skip Rule Followed

VTEA11B		11.b. Tube #01- QC Serum #2 Collected?
N	Value	Description
1	0	No
51	1	Yes
426	..S	Skip Rule Followed

VTEA11C		11.c. Tube #02- QC Serum #3 Collected?
N	Value	Description
1	0	No
51	1	Yes
426	..S	Skip Rule Followed

VTEA11D		11.d. Tube #03- QC Serum #4 Collected?
N	Value	Description
3	0	No
49	1	Yes
426	..S	Skip Rule Followed

VTEA11E		11.e. Tube #10- QC Plasma #1 Collected?
N	Value	Description
1	0	No
51	1	Yes
426	..S	Skip Rule Followed

VTEA11F		11.f. Tube #11- QC Plasma #2 Collected?
N	Value	Description
1	0	No
51	1	Yes
426	..S	Skip Rule Followed

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

VTEA11G		11.g. Tube #12- QC Plasma #3 Collected?
N	Value	Description
1	0	No
51	1	Yes
426	.S	Skip Rule Followed

VTEA11H		11.h. Tube #50- QC Time 0 Urine Collected?
N	Value	Description
13	0	No
39	1	Yes
426	.S	Skip Rule Followed

VTEA11I		11.i. Tube #51- QC Time 1 Urine Collected?
N	Value	Description
13	0	No
39	1	Yes
426	.S	Skip Rule Followed

VTEA11J		11.j. Tube #60- QC 24hr Urine #1 Collected?
N	Value	Description
52	1	Yes
426	.S	Skip Rule Followed

VTEA11K		11.k. Tube #61- QC 24hr Urine #2 Collected?
N	Value	Description
52	1	Yes
426	.S	Skip Rule Followed

VTEA11L		11.l. Tube #62- QC 24hr Urine #3 Collected?
N	Value	Description
52	1	Yes
426	.S	Skip Rule Followed

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

VTEA11M		<i>If specimen collection is incomplete, please explain:</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
440	Present	Variable/Text Values Suppressed
38		Missing

VTEA12		<i>12. Consent for Future SOLNAS Contact:</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6	0	Declined
388	1	Accepted
84	9	N/A

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

Section B: Visit 2 or 4 Forms

Visit 2 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
482	Range	02/22/2011 - 04/17/2012

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

VUEA1		1. Check form:
N	Value	Description
480	2	Visit 2
2		Missing

VUEA2		2. Have you taken insulin or any other medication for diabetes since we last talked by phone?
N	Value	Description
477	0	No
5		Missing

VUEA3		3. Have you received supplemental oxygen during the past two weeks?
N	Value	Description
476	0	No [skip to Q.4]
2	1	Yes
4		Missing

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

3.b. Dates of supplemental oxygen:

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

VUEA3B1		From:
N	Value	Description
2	Range	11/17/2011 - 02/23/2012
476	.S	Skip Rule Followed
4		Missing

VUEA3B2		To:
N	Value	Description
2	Range	11/19/2011 - 02/23/2012
476	.S	Skip Rule Followed
4		Missing

VUEA3C		3.c. Are you receiving supplemental oxygen on a permanent basis?
N	Value	Description
2	0	No
476	.S	Skip Rule Followed
4		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
2	0	No [skip to Q.8]
476	.S	Skip Rule Followed
4		Missing

VUEA4		4. Have you received blood transfusions or intravenous fluids during the past two weeks?
N	Value	Description
477	0	No [skip to Q.5]
2	.S	Skip Rule Followed
3		Missing

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

SOLNAS Main Study Code Book (INV version 2.0), Chapter 1 Section B
Section B: Visit 2 or 4 Forms
4.b. Dates of blood transfusion or intravenous fluids:

VUEA4B1		From:
N	Value	Description
479	.S	Skip Rule Followed
3		Missing

VUEA4B2		To:
N	Value	Description
479	.S	Skip Rule Followed
3		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
479	.S	Skip Rule Followed
3		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
477	0	No [skip to Q.6]
2	.S	Skip Rule Followed
3		Missing

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

5.b. Dates of medication:

VUEA5B1		From:
N	Value	Description
479	.S	Skip Rule Followed
3		Missing

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

VUEA5B2		To:
N	Value	Description
479	.S	Skip Rule Followed
3		Missing

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

VUEA6		6. Have you traveled more than 200 miles (one-way) away from home during the past two weeks?
N	Value	Description
473	0	No [skip to Q.7]
5	1	Yes
2	.S	Skip Rule Followed
2		Missing

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

VUEA6A1		From:
N	Value	Description
5	Range	10/14/2011 - 03/24/2012
475	.S	Skip Rule Followed
2		Missing

VUEA6A2		To:
N	Value	Description
5	Range	10/16/2011 - 03/25/2012
475	.S	Skip Rule Followed
2		Missing

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

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

VUEA6C		6.c. Are you willing to reschedule (corresponding Visit 2 or Visit 4) two weeks after return from travel?
N	Value	Description
3	0	No [skip to Q.8]
1	1	Yes [skip to Q.8]
475	.S	Skip Rule Followed
3		Missing

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
466	0	No [skip to Q.8]
8	1	Yes
6	.S	Skip Rule Followed
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
5	0	No
3	1	Yes [skip to Q.7b]
472	.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
5	1	Yes [skip to Q.8]
475	.S	Skip Rule Followed
2		Missing

VUEA7B		7.b Time when participant last ate or drank:
N	Value	Description
3	Range	9:00 - 12:00
477	.S	Skip Rule Followed
2		Missing

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

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

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

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

VUEA8		8. Visit Eligibility Summary
N	Value	Description
1	0	Ineligible [skip to End]
473	2	Eligible [skip to End]
1	3	Pending scheduling [skip to End]
3	4	Reschedule
4		Missing

VUEA8A		8.a. Appointment Date:
N	Value	Description
3	Range	08/02/2011 - 09/15/2011
475	.S	Skip Rule Followed
4		Missing

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

Section B: Visit 2 or 4 Forms

VUEA8B		8.b. Appointment Time:
N	Value	Description
3	Range	8:00 - 12:00
475	.S	Skip Rule Followed
4		Missing

VUEA8B1		(A=AM, P=PM):
N	Value	Description
2	A	AM
1	P	PM
475	~	Skip Rule Followed
4		Missing

SOLNAS Main 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
626	SOL-5	Bronx
619	SOL-6	Chicago
634	SOL-7	Miami
625	SOL-8	San Diego

DLWA2		Lab ID
N	Value	Description
2504	Present	Variable/Text Values Suppressed

SAMPLESEQ		Sample Collection Sequence (consecutive number)
N	Value	Description
471	1	U30
471	2	U33
471	3	U34
471	4	U50
470	5	U51
75	6	P40
75	7	P20

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

SOLNAS Main 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>
2504	Range	02/10/2011 - 04/17/2012

<i>DLWA6</i>		<i>Sample Time</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2504	Range	7:06 - 23:27

<i>DLWA7</i>		<i>Baseline (Y/N)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
516	Y	Yes
1988	N	No

<i>DLWA11</i>		<i>Dose/Bottle ID</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
471	Present	Variable/Text Values Suppressed
2033		Missing

<i>DLWA12</i>		<i>Dose amount (g)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
471	Range	62.93 - 238.98 (median=109.45 mean=111.896 std=25.572)
2033		Missing

<i>DLWA13</i>		<i>FQ</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
471	Range	0.86 - 0.86 (median=0.86 mean=0.860 std=0.000)
2033		Missing

<i>DLWA14</i>		<i>Dosing Time (24h)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
471	Range	7:47 - 11:58
2033		Missing

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

<i>DLWA15</i>		<i>Dosing date</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
471	Range	02/10/2011 - 04/04/2012
2033		Missing

<i>DLWA19</i>		<i>FQ Source</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
471	2	General Population based
2033		Missing

<i>DLWA20</i>		<i>Days</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2502	Range	-0.034027778 - 19.092361111 (median=0.166666667 mean=4.97548405720 std=5.92621260227)
2		Missing

<i>DLWA21</i>		<i>MEAN 2H (o/oo)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2502	Range	-74.30960342 - 1489.6348286 (median=427.06311564 mean=562.246054577 std=444.818128065)
2		Missing

<i>DLWA22</i>		<i>MEAN 18O (o/oo)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2502	Range	-7.220277484 - 201.68459728 (median=42.338633891 mean=71.5579680003 std=63.1710346629)
2		Missing

<i>DLWA23</i>		<i>2H space (kg)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
545	Range	21.543380513 - 63.041179521 (median=33.33066275 mean=35.287517944 std=8.024975645)
1959		Missing

<i>DLWA24</i>		<i>TBW-2H (%) Deuterium isotope dilution space relative to body weight</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
545	Range	31.170087932 - 68.528692487 (median=44.577956762 mean=45.3322704150 std=6.4742966751)
1959		Missing

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

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

<i>DLWA25</i>		<i>18O space (kg)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
545	Range	20.594963181 - 60.337767448 (median=32.159463897 mean=33.9943922424 std=7.6806428377)
1959		Missing

<i>DLWA26</i>		<i>TBW-18O, body wt (%)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
545	Range	30.209966525 - 65.987076518 (median=42.965543804 mean=43.6761653352 std=6.1928297706)
1959		Missing

<i>DLWA27</i>		<i>NH/NO</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
545	Range	1.0230401033 - 1.0563116371 (median=1.037197766 mean=1.0377771750 std=0.0055650475)
1959		Missing

<i>DLWA28</i>		<i>kH (d-1)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
545	Range	-0.22541575 - -0.050586304 (median=-0.088135143 mean=-0.0931391022 std=0.0250612767)
1959		Missing

<i>DLWA29</i>		<i>kO (d-1)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
545	Range	-0.260930975 - -0.068801803 (median=-0.113855624 mean=-0.1189459070 std=0.0267690681)
1959		Missing

<i>DLWA30</i>		<i>Correlation kH</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
545	Range	-1 - -0.91609571 (median=-0.999947938 mean=-0.9996920498 std=0.0036285851)
1959		Missing

<i>DLWA31</i>		<i>Correlation kO</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
545	Range	-1 - -0.940094265 (median=-0.999967839 mean=-0.9997930911 std=0.0025929616)
1959		Missing

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

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

<i>DLWA32</i>		<i>VCO2 (mol/d)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
545	Range	10.39642867 - 32.703909653 (median=18.229695324 mean=18.9430447458 std=3.9427653972)
1959		Missing

<i>DLWA33</i>		<i>TEE0-12 days (kcal/d)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
545	Range	1319.9979721 - 4152.3003518 (median=2314.5602807 mean=2405.13174710 std=500.59905128)
1959		Missing

<i>DLWA34</i>		<i>BMI (kg/m2) at SOLNAS visit</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
506	Range	16.960003423 - 60.266666667 (median=29.051084398 mean=29.8770961140 std=6.0016240841)
1998		Missing

<i>DLWA35</i>		<i>Lean body mass (kg)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
506	Range	28.21227833 - 82.654475957 (median=44.293078216 mean=46.7022313506 std=10.4705724915)
1998		Missing

<i>DLWA36</i>		<i>Body fat (kg)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
506	Range	5.7110439946 - 90.274267327 (median=30.530919678 mean=32.0554761592 std=12.0039103737)
1998		Missing

<i>DLWA37</i>		<i>Body fat(%)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
506	Range	9.6067444953 - 58.616484213 (median=40.915407852 mean=40.0921120478 std=8.5677203485)
1998		Missing

<i>DLWA38</i>		<i>Ratio Plasma/Urine</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
74	Range	0.9584023157 - 1.0871728788 (median=1.029818384 mean=1.0283699442 std=0.0287658612)
2430		Missing

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

SOLNAS_VISIT		SOLNAS study visits: 1,2,3 or 4
N	Value	Description
2504	1	visit 1

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
2504	M	Main Studies

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

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

Doubly Labeled Water QC Data: FORM CODE=QC_ VERSION=D

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

DLWA1		Site
N	Value	Description
30	SOL-5	Bronx
30	SOL-6	Chicago
35	SOL-7	Miami
40	SOL-8	San Diego

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

SAMPLESEQ		Sample Collection Sequence (consecutive number)
N	Value	Description
27	1	U30
27	2	U33
27	3	U34
27	4	U50
27	5	U51

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

DLWA5		Sample Date
N	Value	Description
135	Range	04/15/2011 - 03/22/2012

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

<i>DLWA6</i>		<i>Sample Time</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
135	Range	7:06 - 15:22

<i>DLWA7</i>		<i>Baseline (Y/N)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
27	Y	Yes
108	N	No

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

<i>DLWA12</i>		<i>Dose amount (g)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
27	Range	77.32 - 144.96 (median=104 mean=105.6 std=16.1)
108		Missing

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

<i>DLWA14</i>		<i>Dosing Time (24h)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
27	Range	8:17 - 11:18
108		Missing

<i>DLWA15</i>		<i>Dosing date</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
27	Range	04/15/2011 - 03/10/2012
108		Missing

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

<i>DLWA19</i>		<i>FQ Source</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
27	2	General Population based
108		Missing

<i>DLWA20</i>		<i>Days</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
133	Range	-0.010416667 - 13.034722222 (median=0.166666667 mean=4.72768901420 std=5.81594606030)
2		Missing

<i>DLWA21</i>		<i>MEAN 2H (o/oo)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
133	Range	-65.8060881 - 1382.6260072 (median=423.89558343 mean=540.471681329 std=460.613220766)
2		Missing

<i>DLWA22</i>		<i>MEAN 18O (o/oo)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
133	Range	-6.819496026 - 190.41636498 (median=40.281015531 mean=69.0422164131 std=64.5882706145)
2		Missing

<i>DLWA23</i>		<i>2H space (kg)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
27	Range	25.829373326 - 49.638695134 (median=31.491697406 mean=33.4708886405 std=6.4928635043)
108		Missing

<i>DLWA24</i>		<i>TBW-2H (%) Deuterium isotope dilution space relative to body weight</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
27	Range	38.614090716 - 57.600819145 (median=43.771283081 mean=45.5166120416 std=6.0857281237)
108		Missing

<i>DLWA25</i>		<i>18O space (kg)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
27	Range	24.787764191 - 48.047774197 (median=30.473718244 mean=32.2340014395 std=6.2485996414)
108		Missing

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

<i>DLWA26</i>		<i>TBW-18O, body wt (%)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
27	Range	37.369070672 - 55.433582748 (median=42.091665919 mean=43.8315305889 std=5.8091477690)
108		Missing

<i>DLWA27</i>		<i>NH/NO</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
27	Range	1.031261041 - 1.0450206993 (median=1.039096091 mean=1.0383047890 std=0.0043442514)
108		Missing

<i>DLWA28</i>		<i>kH (d-1)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
27	Range	-0.345402627 - -0.057709873 (median=-0.102890718 mean=-0.1162376241 std=0.0568966805)
108		Missing

<i>DLWA29</i>		<i>kO (d-1)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
27	Range	-0.384835669 - -0.081214728 (median=-0.131431134 mean=-0.1434222965 std=0.0589621063)
108		Missing

<i>DLWA30</i>		<i>Correlation kH</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
27	Range	-1 - -0.999352796 (median=-0.999928319 mean=-0.9998681304 std=0.0001685767)
108		Missing

<i>DLWA31</i>		<i>Correlation kO</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
27	Range	-1 - -0.999592256 (median=-0.99995685 mean=-0.999918286 std=0.000103855)
108		Missing

<i>DLWA32</i>		<i>VCO2 (mol/d)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
27	Range	10.24767914 - 22.711697669 (median=17.991295601 mean=18.1778163513 std=2.8853672070)
108		Missing

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

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

DLWA33		TEE0-12 days (kcal/d)
N	Value	Description
27	Range	1301.1117677 - 2883.6243501 (median=2284.2915066 mean=2307.97339003 std=366.34492314)
108		Missing

DLWA34		BMI (kg/m2) at SOLNAS visit
N	Value	Description
27	Range	21.982658662 - 36.281179138 (median=28.717678497 mean=28.8164078654 std=3.4988096097)
108		Missing

DLWA35		Lean body mass (kg)
N	Value	Description
27	Range	33.955841357 - 65.818868763 (median=41.744819512 mean=44.1561663554 std=8.5597255362)
108		Missing

DLWA36		Body fat (kg)
N	Value	Description
27	Range	15.204147135 - 46.000461505 (median=29.426427653 mean=29.5142040150 std=7.7038239451)
108		Missing

DLWA37		Body fat(%)
N	Value	Description
27	Range	24.063585277 - 48.80949223 (median=42.340183673 mean=39.9568074124 std=7.9577366699)
108		Missing

DLWA38		Ratio Plasma/Urine
N	Value	Description
135		Missing

SOLNAS_VISIT		SOLNAS study visits: 1,2,3 or 4
N	Value	Description
135	1	visit 1

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
135	M	Main Studies

SOLNAS Main 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
476	Range	01/14/2013 - 01/30/2013
1		Missing

ASSAYDT_TOCOPH EROL		Assay date for Tocopherol
N	Value	Description
476	Range	10/22/2013 - 11/19/2013
1		Missing

ASSAYDT_RETINOL		Assay date for Retinol
N	Value	Description
475	Range	02/09/2014 - 04/09/2014
2		Missing

BIO_CHOL		Cholesterol (mg/dL)
N	Value	Description
475	Range	86 - 319 (median=192 mean=193.8 std=40.3)
2		Missing

BIO_K		Urine Potassium (mmol/L)
N	Value	Description
474	Range	5 - 98 (median=27.5 mean=30.73 std=16.68)
3		Missing

BIO_N		Nitrogen (mg/mL)
N	Value	Description
476	Range	1.78 - 21.48 (median=6.07 mean=6.975 std=3.479)
1		Missing

BIO_NA		Urine Sodium (mmol/L)
N	Value	Description
474	Range	8 - 243 (median=76 mean=87.3 std=50.2)
3		Missing

SOLNAS Main 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>
475	Range	29 - 1134 (median=114 mean=133.5 std=88.0)
2		Missing

<i>BIO_VB12</i>		<i>Vitamin B12 (pg/ml)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
471	Range	138.4 - 3800 (median=534.6 mean=597.92 std=329.53)
6		Missing

<i>BIO_FOLATE</i>		<i>Folate (nmol/L)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
465	Range	12.49 - 85.82 (median=43.06 mean=45.844 std=17.179)
12		Missing

<i>BIO_ZEAXANTHIN</i>		<i>Zeaxanthin (µg/dL)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
476	Range	3.2 - 87.6 (median=17.95 mean=19.629 std=10.159)
1		Missing

<i>BIO_CRYPTOXANTHIN</i>		<i>Cryptoxanthin (µg/dL)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
476	Range	0.3 - 99.9 (median=7.7 mean=10.91 std=10.86)
1		Missing

<i>BIO_LYCOPENE</i>		<i>Lycopene (µg/dL)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
476	Range	3.1 - 105.6 (median=32.65 mean=34.903 std=15.185)
1		Missing

<i>BIO_ALPHA_CAROTENE</i>		<i>alpha-carotene (µg/dL)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
476	Range	0.1 - 30.9 (median=3.7 mean=5.05 std=4.86)
1		Missing

SOLNAS Main 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>
476	Range	1 - 88.6 (median=11.3 mean=14.83 std=12.17)
1		Missing

<i>BIO_ALPHA_TOCOPHEROL</i>		<i>alpha-tocopherol (mg/dL)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
476	Range	0.35 - 2.52 (median=0.87 mean=0.907 std=0.283)
1		Missing

<i>BIO_GAMMA_TOCOPHEROL</i>		<i>gamma-tocopherol (mg/dL)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
476	Range	0.04 - 0.54 (median=0.18 mean=0.191 std=0.069)
1		Missing

<i>BIO_RETINOL</i>		<i>Retinol (µg/dL)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
458	Range	0.2 - 1.42 (median=0.545 mean=0.5503 std=0.1986)
19		Missing

<i>BIO_RETINYL_PALM</i>		<i>Retinyl_Palmitate(µg/dL)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
255	Range	0 - 1.18 (median=0.24 mean=0.235 std=0.200)
222		Missing

<i>BIO_FRUCTOSE</i>		<i>Fructose (mg/L)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
476	Range	0.0848114814 - 224.35 (median=11.231076899 mean=18.9698902372 std=25.4970676968)
1		Missing

<i>BIO_GLUCOSE</i>		<i>Glucose (mg/L)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
476	Range	0.1454667124 - 2619.0318636 (median=27.014035967 mean=58.3746158339 std=202.6808699119)
1		Missing

SOLNAS Main 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>
476	Range	0 - 726 (median=17.647422054 mean=31.9226317244 std=53.4698178275)
1		Missing

<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
476		Missing

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

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

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

<i>COMMT_VITAMIN</i>		<i>Central Lab Comment for VB12 and Folate</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
3	Present	Variable/Text Values Suppressed
474		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
476		Missing

SOLNAS Main 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>
2	Present	Variable/Text Values Suppressed
475		Missing

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

<i>PABA</i>		<i>Paba result (mg/L)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
46	Range	7.1 - 557 (median=112.9 mean=136.40 std=91.47)
431		Missing

<i>SOLNAS_STUDY</i>		<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>
477	M	Main Studies

SOLNAS Main Study Code Book (INV version 2.0), Chapter 2 Section B
Section B: Recovery Biomarkers for nutrients (U Minnesota & U Hawaii)
Biomarkers Central Lab QC Data: FORM CODE=QC_ VERSION=L

ASSAYDT_NAK		Assay date for sodium and potassium
N	Value	Description
49	Range	01/14/2013 - 01/30/2013

ASSAYDT_TOCOPH EROL		Assay date for Tocopherol
N	Value	Description
48	Range	10/22/2013 - 11/19/2013
1		Missing

ASSAYDT_RETINOL		Assay date for Retinol
N	Value	Description
48	Range	02/09/2014 - 04/03/2014
1		Missing

BIO_CHOL		Cholesterol (mg/dL)
N	Value	Description
48	Range	89 - 273 (median=201.5 mean=200.31 std=41.19)
1		Missing

BIO_K		Urine Potassium (mmol/L)
N	Value	Description
49	Range	8 - 72 (median=27 mean=29.9 std=16.0)

BIO_N		Nitrogen (mg/mL)
N	Value	Description
49	Range	2.09 - 18.47 (median=5.86 mean=6.676 std=3.448)

BIO_NA		Urine Sodium (mmol/L)
N	Value	Description
48	Range	16 - 212 (median=65.5 mean=75.77 std=42.66)
1		Missing

SOLNAS Main 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>
48	Range	50 - 1128 (median=123.5 mean=156.67 std=164.21)
1		Missing

<i>BIO_VB12</i>		<i>Vitamin B12 (pg/ml)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
47	Range	193.5 - 1813 (median=527.8 mean=592.06 std=286.74)
2		Missing

<i>BIO_FOLATE</i>		<i>Folate (nmol/L)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
47	Range	20.52 - 76.34 (median=41.09 mean=45.855 std=15.205)
2		Missing

<i>BIO_ZEAXANTHIN</i>		<i>Zeaxanthin (µg/dL)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
48	Range	5.1 - 66.7 (median=20.6 mean=21.88 std=10.59)
1		Missing

<i>BIO_CRYPTOXANTHIN</i>		<i>Cryptoxanthin (µg/dL)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
48	Range	1.9 - 32.1 (median=11.4 mean=11.96 std=8.15)
1		Missing

<i>BIO_LYCOPENE</i>		<i>Lycopene (µg/dL)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
48	Range	11.6 - 81.9 (median=30.45 mean=35.390 std=16.510)
1		Missing

<i>BIO_ALPHA_CAROTENE</i>		<i>alpha-carotene (µg/dL)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
48	Range	0.5 - 25.4 (median=3.65 mean=5.442 std=5.090)
1		Missing

SOLNAS Main 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>
48	Range	2 - 55.9 (median=11.4 mean=14.63 std=12.11)
1		Missing

<i>BIO_ALPHA_TOCOPHEROL</i>		<i>alpha-tocopherol (mg/dL)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
48	Range	0.33 - 1.9 (median=0.97 mean=0.990 std=0.313)
1		Missing

<i>BIO_GAMMA_TOCOPHEROL</i>		<i>gamma-tocopherol (mg/dL)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
48	Range	0.08 - 0.31 (median=0.185 mean=0.1910 std=0.0648)
1		Missing

<i>BIO_RETINOL</i>		<i>Retinol (µg/dL)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
48	Range	0.27 - 1.59 (median=0.64 mean=0.659 std=0.220)
1		Missing

<i>BIO_RETINYL_PALM</i>		<i>Retinyl_Palmitate(µg/dL)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
19	Range	0 - 0.62 (median=0.33 mean=0.296 std=0.187)
30		Missing

<i>BIO_FRUCTOSE</i>		<i>Fructose (mg/L)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
49	Range	1.1271582254 - 237.96358424 (median=13.093796313 mean=24.8215568769 std=38.7272711304)

<i>BIO_GLUCOSE</i>		<i>Glucose (mg/L)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
49	Range	1.7587625448 - 180.96122384 (median=25.166167684 mean=33.7290866169 std=29.6667228965)

SOLNAS Main 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>
49	Range	1.7824923223 - 95.136393319 (median=14.305715953 mean=22.9795840051 std=21.5394466142)

<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
48		Missing

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

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

<i>COMMT_PABA</i>		<i>Central Lab Comment for PABA</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
49		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
48		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
48		Missing

<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
48		Missing

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

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

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

<i>PABA</i>		<i>Paba result (mg/L)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
49		Missing

<i>SOLNAS_STUDY</i>		<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>
49	M	Main Studies

SOLNAS Main 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>
2549	Present	Variable/Text Values Suppressed

<i>NNMA3</i>		<i>Date of Intake</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2549	Range	01/05/2011 - 04/03/2012

<i>NNMA5</i>		<i>Meal Time</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2549	Range	0:00 - 23:59

<i>NNMA6</i>		<i>Meal Name</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
433	1	Breakfast
385	3	Lunch
619	4	Snack
446	5	Dinner/Supper
664	6	Other
2	7	School Lunch

SOLNAS Main Study Code Book (INV version 2.0), Chapter 3 Section A
Section A: NDSR Dietary Intake

<i>NNMA7</i>		<i>Meal Location</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1985	1	Home
251	2	Work
12	3	School
13	6	Deli/take-out/store
100	7	Restaurant/cafeteria/fast food
51	10	Friend's home
2	11	Community meal program
10	12	Party/reception/sporting event
125	13	Other

<i>NNMA8</i>		<i>Total Grams</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2549	Range	4.2 - 7009.275 (median=485.76 mean=573.908 std=452.262)

<i>NNMA9</i>		<i>Energy (kcal)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2549	Range	0 - 3120.655 (median=279.312 mean=384.5514 std=394.7434)

<i>NNMA10</i>		<i>Total Fat (g)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2549	Range	0 - 159.582 (median=7.413 mean=13.5613 std=17.8387)

<i>NNMA11</i>		<i>Total Carbohydrate (g)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2549	Range	0 - 342.685 (median=38.808 mean=50.7008 std=50.0249)

<i>NNMA12</i>		<i>Total Protein (g)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2549	Range	0 - 173.496 (median=7.996 mean=15.4880 std=19.6215)

<i>NNMA13</i>		<i>Animal Protein (g)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2549	Range	0 - 154.664 (median=3.758 mean=10.4291 std=15.4991)

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

Section A: NDSR Dietary Intake

NNMA14		Vegetable Protein (g)
N	Value	Description
2549	Range	0 - 64.452 (median=2.622 mean=5.0589 std=6.7289)

NNMA15		Alcohol (g)
N	Value	Description
2549	Range	0 - 72.216 (median=0 mean=0.4 std=3.6)

NNMA16		Cholesterol (mg)
N	Value	Description
2549	Range	0 - 1210.591 (median=12.526 mean=51.8707 std=96.0305)

NNMA17		Total Saturated Fatty Acids (SFA) (g)
N	Value	Description
2549	Range	0 - 77.997 (median=2.377 mean=4.4265 std=6.2825)

NNMA18		Total Monounsaturated Fatty Acids (MUFA) (g)
N	Value	Description
2549	Range	0 - 58.986 (median=2.171 mean=4.9871 std=7.1694)

NNMA19		Total Polyunsaturated Fatty Acids (PUFA) (g)
N	Value	Description
2549	Range	0 - 50.916 (median=1.119 mean=2.9980 std=4.8572)

NNMA20		Fructose (g)
N	Value	Description
2548	Range	0 - 64.838 (median=0.8985 mean=4.75685 std=7.66214)
1		Missing

NNMA21		Galactose (g)
N	Value	Description
2549	Range	0 - 9.594 (median=0 mean=0.1 std=0.5)

NNMA22		Glucose (g)
N	Value	Description
2549	Range	0 - 67.066 (median=1.423 mean=4.6046 std=6.9029)

SOLNAS Main Study Code Book (INV version 2.0), Chapter 3 Section A
Section A: NDSR Dietary Intake

NNMA23		Lactose (g)
N	Value	Description
2549	Range	0 - 50.268 (median=0 mean=2.3 std=5.3)

NNMA24		Maltose (g)
N	Value	Description
2549	Range	0 - 18.341 (median=0.035 mean=0.4325 std=1.0769)

NNMA25		Sucrose (g)
N	Value	Description
2549	Range	0 - 199.192 (median=3.876 mean=9.1802 std=14.0796)

NNMA26		Starch (g)
N	Value	Description
2549	Range	0 - 222.745 (median=11.746 mean=22.4394 std=29.6802)

NNMA27		Total Dietary Fiber (g)
N	Value	Description
2549	Range	0 - 49.006 (median=1.953 mean=3.5953 std=5.0760)

NNMA28		Soluble Dietary Fiber (g)
N	Value	Description
2549	Range	0 - 23.945 (median=0.696 mean=1.1352 std=1.7605)

NNMA29		Insoluble Dietary Fiber (g)
N	Value	Description
2549	Range	0 - 32.318 (median=1.099 mean=2.4438 std=3.6842)

NNMA30		Pectins (g)
N	Value	Description
2544	Range	0 - 11.453 (median=0.068 mean=0.4657 std=0.8282)
5		Missing

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

Section A: NDSR Dietary Intake

NNMA31		Total Vitamin A Activity (International Units) (IU)
N	Value	Description
2549	Range	0 - 96771.179 (median=258.55 mean=1202.315 std=4251.193)

NNMA32		Beta-Carotene Equivalents (derived from provitamin A carotenoids) (mcg)
N	Value	Description
2549	Range	0 - 58031.403 (median=24.255 mean=564.1966 std=2482.1991)

NNMA33		Retinol (mcg)
N	Value	Description
2549	Range	0 - 10691.172 (median=7.654 mean=78.6228 std=293.0347)

NNMA34		Vitamin D (calciferol) (mcg)
N	Value	Description
2549	Range	0 - 24.171 (median=0.129 mean=1.0033 std=1.8744)

NNMA35		Total Alpha-Tocopherol Equivalents (mg)
N	Value	Description
2549	Range	0 - 59.676 (median=0.718 mean=1.9228 std=3.5760)

NNMA36		Vitamin E (Total Alpha-Tocopherol) (mg)
N	Value	Description
2549	Range	0 - 29.304 (median=0.59 mean=1.536 std=2.616)

NNMA37		Beta-Tocopherol (mg)
N	Value	Description
2549	Range	0 - 3.893 (median=0.017 mean=0.0759 std=0.1644)

NNMA38		Gamma-Tocopherol (mg)
N	Value	Description
2549	Range	0 - 54.401 (median=0.495 mean=2.2820 std=4.2602)

NNMA39		Delta-Tocopherol (mg)
N	Value	Description
2549	Range	0 - 17.612 (median=0.037 mean=0.5275 std=1.1800)

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

Section A: NDSR Dietary Intake

NNMA40		Vitamin K (phylloquinone) (mcg)
N	Value	Description
2549	Range	0 - 1284.993 (median=3.069 mean=14.5934 std=44.8063)

NNMA41		Vitamin C (ascorbic acid) (mg)
N	Value	Description
2549	Range	0 - 627.825 (median=1.989 mean=18.7562 std=40.3321)

NNMA42		Thiamin (vitamin B1) (mg)
N	Value	Description
2549	Range	0 - 4.44 (median=0.189 mean=0.3193 std=0.3897)

NNMA43		Riboflavin (vitamin B2) (mg)
N	Value	Description
2549	Range	0 - 3.985 (median=0.241 mean=0.3540 std=0.4121)

NNMA44		Niacin (vitamin B3) (mg)
N	Value	Description
2549	Range	0 - 42.27 (median=2.359 mean=4.3757 std=5.6735)

NNMA45		Pantothenic Acid (mg)
N	Value	Description
2549	Range	0 - 17.28 (median=0.671 mean=0.9785 std=1.1670)

NNMA46		Vitamin B-6 (pyridoxine, pyridoxyl, & pyridoxamine) (mg)
N	Value	Description
2549	Range	0 - 8.208 (median=0.18 mean=0.381 std=0.550)

NNMA47		Total Folate (mcg)
N	Value	Description
2549	Range	0 - 1205.62 (median=40.471 mean=77.4570 std=111.3182)

NNMA48		Vitamin B-12 (cobalamin) (mcg)
N	Value	Description
2549	Range	0 - 298.521 (median=0.279 mean=1.1057 std=8.6278)

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

Section A: NDSR Dietary Intake

NNMA49		Calcium (mg)
N	Value	Description
2549	Range	0 - 2532.542 (median=90.295 mean=165.8073 std=219.4206)

NNMA50		Phosphorus (mg)
N	Value	Description
2549	Range	0 - 2564.189 (median=162.266 mean=236.8066 std=268.9922)

NNMA51		Magnesium (mg)
N	Value	Description
2549	Range	0 - 531.672 (median=40.1 mean=57.21 std=60.11)

NNMA52		Iron (mg)
N	Value	Description
2549	Range	0 - 37.918 (median=1.533 mean=2.7626 std=3.6371)

NNMA53		Zinc (mg)
N	Value	Description
2549	Range	0 - 23.042 (median=1.078 mean=2.0746 std=2.7346)

NNMA54		Copper (mg)
N	Value	Description
2549	Range	0 - 16.581 (median=0.145 mean=0.2537 std=0.4902)

NNMA55		Selenium (mcg)
N	Value	Description
2549	Range	0 - 258.834 (median=10.627 mean=21.8409 std=28.6091)

NNMA56		Sodium (mg)
N	Value	Description
2549	Range	0 - 9255.041 (median=269.543 mean=646.1653 std=901.1116)

NNMA57		Potassium (mg)
N	Value	Description
2549	Range	0 - 7697.65 (median=334.211 mean=496.6668 std=577.5663)

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Section A: NDSR Dietary Intake

NNMA58		SFA 4:0 (butyric acid) (g)
N	Value	Description
2549	Range	0 - 3.137 (median=0 mean=0.1 std=0.2)

NNMA59		SFA 6:0 (caproic acid) (g)
N	Value	Description
2549	Range	0 - 1.572 (median=0 mean=0.0 std=0.1)

NNMA60		SFA 8:0 (caprylic acid) (g)
N	Value	Description
2549	Range	0 - 4.657 (median=0 mean=0.0 std=0.2)

NNMA61		SFA 10:0 (capric acid) (g)
N	Value	Description
2549	Range	0 - 3.7 (median=0.003 mean=0.0790 std=0.1843)

NNMA62		SFA 12:0 (lauric acid) (g)
N	Value	Description
2549	Range	0 - 29.493 (median=0.012 mean=0.1882 std=0.9327)

NNMA63		SFA 14:0 (myristic acid) (g)
N	Value	Description
2549	Range	0 - 11.644 (median=0.08 mean=0.382 std=0.767)

NNMA64		SFA 16:0 (palmitic acid) (g)
N	Value	Description
2549	Range	0 - 37.762 (median=1.273 mean=2.4168 std=3.3213)

NNMA65		SFA 17:0 (margaric acid) (g)
N	Value	Description
2549	Range	0 - 0.694 (median=0.001 mean=0.0142 std=0.0415)

NNMA66		SFA 18:0 (stearic acid) (g)
N	Value	Description
2549	Range	0 - 17.39 (median=0.517 mean=1.0448 std=1.5043)

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

Section A: NDSR Dietary Intake

NNMA67		SFA 20:0 (arachidic acid) (g)
N	Value	Description
2549	Range	0 - 0.432 (median=0.005 mean=0.0226 std=0.0419)

NNMA68		SFA 22:0 (behenic acid) (g)
N	Value	Description
2549	Range	0 - 0.695 (median=0.001 mean=0.0138 std=0.0398)

NNMA69		MUFA 14:1 (myristoleic acid) (g)
N	Value	Description
2549	Range	0 - 0.584 (median=0 mean=0.0 std=0.0)

NNMA70		MUFA 16:1 (palmitoleic acid) (g)
N	Value	Description
2549	Range	0 - 4.01 (median=0.046 mean=0.2290 std=0.3937)

NNMA71		MUFA 18:1 (oleic acid) (g)
N	Value	Description
2549	Range	0 - 56.573 (median=2.046 mean=4.6580 std=6.7034)

NNMA72		MUFA 20:1 (gadoleic acid) (g)
N	Value	Description
2549	Range	0 - 1.089 (median=0.007 mean=0.0408 std=0.0835)

NNMA73		MUFA 22:1 (erucic acid) (g)
N	Value	Description
2549	Range	0 - 0.876 (median=0 mean=0.0 std=0.0)

NNMA74		PUFA 18:2 (linoleic acid) (g)
N	Value	Description
2549	Range	0 - 44.969 (median=0.95 mean=2.647 std=4.375)

NNMA75		PUFA 18:3 (linolenic acid) (g)
N	Value	Description
2549	Range	0 - 6.456 (median=0.099 mean=0.2856 std=0.5227)

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Section A: NDSR Dietary Intake

NNMA76		PUFA 18:4 (parinaric acid) (g)
N	Value	Description
2549	Range	0 - 0.126 (median=0 mean=0.0 std=0.0)

NNMA77		PUFA 20:4 (arachidonic acid) (g)
N	Value	Description
2549	Range	0 - 1.148 (median=0 mean=0.0 std=0.1)

NNMA78		PUFA 20:5 (eicosapentaenoic acid [EPA]) (g)
N	Value	Description
2549	Range	0 - 0.75 (median=0 mean=0.0 std=0.0)

NNMA79		PUFA 22:5 (docosapentaenoic acid [DPA]) (g)
N	Value	Description
2549	Range	0 - 0.242 (median=0 mean=0.0 std=0.0)

NNMA80		PUFA 22:6 (docosahexaenoic acid [DHA]) (g)
N	Value	Description
2549	Range	0 - 2.429 (median=0 mean=0.0 std=0.1)

NNMA81		Tryptophan (g)
N	Value	Description
2548	Range	0 - 2.261 (median=0.099 mean=0.1768 std=0.2221)
1		Missing

NNMA82		Threonine (g)
N	Value	Description
2548	Range	0 - 7.831 (median=0.2765 mean=0.59152 std=0.78512)
1		Missing

NNMA83		Isoleucine (g)
N	Value	Description
2548	Range	0 - 7.886 (median=0.369 mean=0.7064 std=0.9226)
1		Missing

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Section A: NDSR Dietary Intake

NNMA84		Leucine (g)
N	Value	Description
2548	Range	0 - 13.47 (median=0.68 mean=1.217 std=1.553)
1		Missing

NNMA85		Lysine (g)
N	Value	Description
2548	Range	0 - 14.762 (median=0.4295 mean=1.04406 std=1.47565)
1		Missing

NNMA86		Methionine (g)
N	Value	Description
2548	Range	0 - 4.39 (median=0.1635 mean=0.35344 std=0.47674)
1		Missing

NNMA87		Cystine (g)
N	Value	Description
2548	Range	0 - 2.239 (median=0.126 mean=0.2230 std=0.2715)
1		Missing

NNMA88		Phenylalanine (g)
N	Value	Description
2548	Range	0 - 7.304 (median=0.3825 mean=0.68326 std=0.85831)
1		Missing

NNMA89		Tyrosine (g)
N	Value	Description
2548	Range	0 - 5.893 (median=0.2865 mean=0.52879 std=0.67366)
1		Missing

NNMA90		Valine (g)
N	Value	Description
2548	Range	0 - 9.293 (median=0.4355 mean=0.79343 std=1.01368)
1		Missing

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

Section A: NDSR Dietary Intake

NNMA91		Arginine (g)
N	Value	Description
2548	Range	0 - 10.584 (median=0.354 mean=0.8612 std=1.1894)
1		Missing

NNMA92		Histidine (g)
N	Value	Description
2548	Range	0 - 6.646 (median=0.1945 mean=0.43102 std=0.59127)
1		Missing

NNMA93		Alanine (g)
N	Value	Description
2548	Range	0 - 9.806 (median=0.3275 mean=0.75353 std=1.04323)
1		Missing

NNMA94		Aspartic Acid (g)
N	Value	Description
2548	Range	0 - 17.788 (median=0.6735 mean=1.37596 std=1.81016)
1		Missing

NNMA95		Glutamic Acid (g)
N	Value	Description
2548	Range	0 - 27.102 (median=1.6835 mean=2.93279 std=3.58991)
1		Missing

NNMA96		Glycine (g)
N	Value	Description
2548	Range	0 - 8.358 (median=0.253 mean=0.6641 std=0.9642)
1		Missing

NNMA97		Proline (g)
N	Value	Description
2548	Range	0 - 12.167 (median=0.6065 mean=0.98308 std=1.19485)
1		Missing

SOLNAS Main Study Code Book (INV version 2.0), Chapter 3 Section A
Section A: NDSR Dietary Intake

NNMA98		Serine (g)
N	Value	Description
2548	Range	0 - 8.333 (median=0.397 mean=0.6975 std=0.8742)
1		Missing

NNMA99		Aspartame (mg)
N	Value	Description
2549	Range	0 - 607.392 (median=0 mean=2.1 std=23.5)

NNMA100		Saccharin (mg)
N	Value	Description
2549	Range	0 - 73.25 (median=0 mean=0.1 std=1.9)

NNMA101		Caffeine (mg)
N	Value	Description
2549	Range	0 - 852.48 (median=0 mean=19.0 std=47.4)

NNMA102		Phytic Acid (mg)
N	Value	Description
2548	Range	0 - 4993.279 (median=44.686 mean=128.7264 std=230.8257)
1		Missing

NNMA103		Oxalic Acid (mg)
N	Value	Description
2549	Range	0 - 2512.528 (median=10.387 mean=33.5755 std=122.6647)

NNMA104		3-Methylhistidine (mg)
N	Value	Description
2549	Range	0 - 87.675 (median=0 mean=3.6 std=7.5)

NNMA105		Sucrose Polyester (g)
N	Value	Description
2549	Range	0 - 0 (median=0 mean=0.0 std=0.0)

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

Section A: NDSR Dietary Intake

NNMA106		Ash (g)
N	Value	Description
2549	Range	0 - 29.784 (median=2.212 mean=3.3968 std=3.6566)

NNMA107		Water (g)
N	Value	Description
2549	Range	0.093 - 7002.266 (median=412.442 mean=499.3345 std=419.3796)

NNMA108		% Calories from Fat
N	Value	Description
2549	Range	0 - 81.145 (median=22.899 mean=22.3162 std=17.9804)

NNMA109		% Calories from Carbohydrate
N	Value	Description
2549	Range	0 - 107.1 (median=52.066 mean=50.0698 std=28.9060)

NNMA110		% Calories from Protein
N	Value	Description
2549	Range	0 - 90.933 (median=10.819 mean=12.0856 std=11.0954)

NNMA111		% Calories from Alcohol
N	Value	Description
2549	Range	0 - 100.055 (median=0 mean=1.0 std=7.6)

NNMA112		% Calories from SFA
N	Value	Description
2549	Range	0 - 70.218 (median=6.312 mean=7.8139 std=7.9585)

NNMA113		% Calories from MUFA
N	Value	Description
2549	Range	0 - 45.554 (median=6.978 mean=7.8267 std=7.2858)

NNMA114		% Calories from PUFA
N	Value	Description
2549	Range	0 - 43.852 (median=3.065 mean=4.8105 std=5.6623)

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

Section A: NDSR Dietary Intake

NNMA115		Polyunsaturated to Saturated Fat Ratio
N	Value	Description
2549	Range	0 - 6.556 (median=0.496 mean=0.8886 std=1.0797)

NNMA116		Cholesterol to Saturated Fatty Acid Index
N	Value	Description
2549	Range	0 - 121.753 (median=3.562 mean=7.0643 std=9.9382)

NNMA117		Total Vitamin A Activity (Retinol Equivalents) (mcg)
N	Value	Description
2549	Range	0 - 10724.131 (median=47.31 mean=172.656 std=507.100)

NNMA118		TRANS 18:1 (trans-octadecenoic acid [elaidic acid]) (g)
N	Value	Description
2549	Range	0 - 7.911 (median=0.065 mean=0.3167 std=0.6335)

NNMA119		TRANS 18:2 (trans-octadecadienoic acid [linolelaidic acid]; incl. c-t, t-c, t-t) (g)
N	Value	Description
2549	Range	0 - 0.815 (median=0.02 mean=0.061 std=0.097)

NNMA120		TRANS 16:1 (trans-hexadecenoic acid) (g)
N	Value	Description
2549	Range	0 - 0.338 (median=0 mean=0.0 std=0.0)

NNMA121		Total Trans-Fatty Acids (TRANS) (g)
N	Value	Description
2549	Range	0 - 8.557 (median=0.105 mean=0.3953 std=0.7297)

NNMA122		User Nutrient 1 (mg)
N	Value	Description
2549	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA123		User Nutrient 2 (mg)
N	Value	Description
2549	Range	0 - 0 (median=0 mean=0.0 std=0.0)

SOLNAS Main Study Code Book (INV version 2.0), Chapter 3 Section A**Section A: NDSR Dietary Intake**

NNMA124		User Nutrient 3 (mg)
N	Value	Description
2549	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA125		User Nutrient 4 (mg)
N	Value	Description
2549	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA126		User Nutrient 5 (mg)
N	Value	Description
2549	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA127		User Nutrient 6 (mg)
N	Value	Description
2549	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA128		User Nutrient 7 (mg)
N	Value	Description
2549	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA129		User Nutrient 8 (mg)
N	Value	Description
2549	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA130		User Nutrient 9 (mg)
N	Value	Description
2549	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA131		User Nutrient 10 (mg)
N	Value	Description
2549	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA132		Meal Information Notes
N	Value	Description
374	Present	Variable/Text Values Suppressed
2175		Missing

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Section A: NDSR Dietary Intake

NNMA133		Beta-Carotene (provitamin A carotenoid) (mcg)
N	Value	Description
2549	Range	0 - 56261.415 (median=21.434 mean=494.1983 std=2212.0053)

NNMA134		Alpha-Carotene (provitamin A carotenoid) (mcg)
N	Value	Description
2549	Range	0 - 20494.24 (median=0 mean=114.2 std=670.6)

NNMA135		Beta-Cryptoxanthin (provitamin A carotenoid) (mcg)
N	Value	Description
2549	Range	0 - 2570.95 (median=0 mean=25.8 std=129.7)

NNMA136		Lutein + Zeaxanthin (mcg)
N	Value	Description
2549	Range	0 - 28447.38 (median=26.353 mean=209.2447 std=901.1793)

NNMA137		Lycopene (mcg)
N	Value	Description
2549	Range	0 - 76431.057 (median=0 mean=1085.6 std=4082.1)

NNMA138		Dietary Folate Equivalents (mcg)
N	Value	Description
2549	Range	0 - 2024.41 (median=46.283 mean=100.7715 std=151.9664)

NNMA139		Natural Folate (food folate) (mcg)
N	Value	Description
2549	Range	0 - 945.995 (median=21.226 mean=44.1641 std=76.9225)

NNMA140		Synthetic Folate (folic acid) (mcg)
N	Value	Description
2549	Range	0 - 1170.12 (median=0 mean=33.3 std=72.0)

NNMA141		Column intentionally left blank
N	Value	Description
2549		Missing

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Section A: NDSR Dietary Intake

NNMA142		Column intentionally left blank
N	Value	Description
2549		Missing

NNMA143		Column intentionally left blank
N	Value	Description
2549		Missing

NNMA144		User Nutrient 11 (mg)
N	Value	Description
2549	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA145		User Nutrient 12 (mg)
N	Value	Description
2549	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA146		User Nutrient 13 (mg)
N	Value	Description
2549	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA147		User Nutrient 14 (mg)
N	Value	Description
2549	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA148		User Nutrient 15 (mg)
N	Value	Description
2549	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA149		User Nutrient 16 (mg)
N	Value	Description
2549	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA150		User Nutrient 17 (mg)
N	Value	Description
2549	Range	0 - 0 (median=0 mean=0.0 std=0.0)

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Section A: NDSR Dietary Intake

NNMA151		User Nutrient 18 (mg)
N	Value	Description
2549	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA152		User Nutrient 19 (mg)
N	Value	Description
2549	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA153		User Nutrient 20 (mg)
N	Value	Description
2549	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA154		Total Vitamin A Activity (Retinol Activity Equivalents) (mcg)
N	Value	Description
2549	Range	0 - 10707.651 (median=36.474 mean=125.6392 std=358.7799)

NNMA155		Energy (kj)
N	Value	Description
2549	Range	0 - 13056.821 (median=1168.641 mean=1608.9631 std=1651.6063)

NNMA156		Niacin Equivalents (mg)
N	Value	Description
2549	Range	0 - 78.341 (median=4.124 mean=7.3204 std=8.9034)

NNMA157		Total Sugars (g)
N	Value	Description
2549	Range	0 - 229.771 (median=14.466 mean=21.3900 std=23.7658)

NNMA158		Omega-3 Fatty Acids (g)
N	Value	Description
2549	Range	0 - 6.456 (median=0.106 mean=0.3078 std=0.5525)

NNMA159		Manganese (mg)
N	Value	Description
2549	Range	0 - 85.031 (median=0.304 mean=0.6303 std=1.8620)

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Section A: NDSR Dietary Intake

NNMA160		Vitamin E (International Units) (IU)
N	Value	Description
2549	Range	0 - 61.082 (median=0.873 mean=2.3615 std=4.2780)

NNMA161		Natural Alpha-Tocopherol (RRR-alpha-tocopherol or d-alpha-tocopherol) (mg)
N	Value	Description
2549	Range	0 - 29.304 (median=0.56 mean=1.435 std=2.379)

NNMA162		Synthetic Alpha-Tocopherol (all rac-alpha-tocopherol or dl-alpha-tocopherol) (mg)
N	Value	Description
2549	Range	0 - 58.506 (median=0 mean=0.2 std=2.3)

NNMA163		Daidzein (mg)
N	Value	Description
2549	Range	0 - 21.629 (median=0 mean=0.2 std=1.3)

NNMA164		Genistein (mg)
N	Value	Description
2549	Range	0 - 27.311 (median=0 mean=0.2 std=1.5)

NNMA165		Glycitein (mg)
N	Value	Description
2549	Range	0 - 5.653 (median=0 mean=0.0 std=0.2)

NNMA166		Coumestrol (mg)
N	Value	Description
2549	Range	0 - 2.848 (median=0 mean=0.0 std=0.1)

NNMA167		Biochanin A (mg)
N	Value	Description
2549	Range	0 - 22.344 (median=0 mean=0.0 std=0.6)

NNMA168		Formononetin (mg)
N	Value	Description
2549	Range	0 - 0.585 (median=0 mean=0.0 std=0.0)

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Section A: NDSR Dietary Intake

NNMA169		Column intentionally left blank
N	Value	Description
2549		Missing

NNMA170		Column intentionally left blank
N	Value	Description
2549		Missing

NNMA171		Column intentionally left blank
N	Value	Description
2549		Missing

NNMA172		Column intentionally left blank
N	Value	Description
2549		Missing

NNMA173		Added Sugars (g)
N	Value	Description
2549	Range	0 - 202.924 (median=3.937 mean=13.8739 std=20.7035)

NNMA174		Acesulfame Potassium (mg)
N	Value	Description
2549	Range	0 - 325.2 (median=0 mean=0.5 std=9.7)

NNMA175		Sucralose (mg)
N	Value	Description
2549	Range	0 - 3180.684 (median=0 mean=14.4 std=168.4)

NNMA176		Available Carbohydrate (g)
N	Value	Description
2549	Range	0 - 316.847 (median=35.713 mean=47.0327 std=46.5912)

NNMA177		Glycemic Index (glucose reference)
N	Value	Description
2549	Range	0 - 105.105 (median=58.9 mean=49.04 std=24.73)

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Section A: NDSR Dietary Intake

NNMA178		Glycemic Index (bread reference)
N	Value	Description
2549	Range	0 - 150.15 (median=84.227 mean=70.0969 std=35.3424)

NNMA179		Glycemic Load (glucose reference)
N	Value	Description
2549	Range	0 - 218.105 (median=20.333 mean=28.2277 std=29.2601)

NNMA180		Glycemic Load (bread reference)
N	Value	Description
2549	Range	0 - 311.851 (median=29.069 mean=40.3481 std=41.8249)

NNMA181		Choline (mg)
N	Value	Description
2549	Range	0 - 937.295 (median=31.917 mean=61.4074 std=82.1845)

NNMA182		Betaine (mg)
N	Value	Description
2549	Range	0 - 422.835 (median=4.614 mean=21.5361 std=40.3297)

NNMA183		Erythritol (g)
N	Value	Description
2549	Range	0 - 6 (median=0 mean=0.0 std=0.1)

NNMA184		Inositol (g)
N	Value	Description
2549	Range	0 - 1.463 (median=0 mean=0.0 std=0.1)

NNMA185		Isomalt (g)
N	Value	Description
2549	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NNMA186		Lactitol (g)
N	Value	Description
2549	Range	0 - 0 (median=0 mean=0.0 std=0.0)

SOLNAS Main Study Code Book (INV version 2.0), Chapter 3 Section A
Section A: NDSR Dietary Intake

NNMA187		Maltitol (g)
N	Value	Description
2549	Range	0 - 12 (median=0 mean=0.0 std=0.4)

NNMA188		Mannitol (g)
N	Value	Description
2549	Range	0 - 2.228 (median=0 mean=0.0 std=0.2)

NNMA189		Pinitol (g)
N	Value	Description
2549	Range	0 - 0.206 (median=0 mean=0.0 std=0.0)

NNMA190		Sorbitol (g)
N	Value	Description
2549	Range	0 - 9.936 (median=0 mean=0.1 std=0.5)

NNMA191		Xylitol (g)
N	Value	Description
2549	Range	0 - 0.136 (median=0 mean=0.0 std=0.0)

NNMA192		Nitrogen (g)
N	Value	Description
2549	Range	0 - 27.804 (median=1.322 mean=2.5061 std=3.1620)

NNMA193		Total Conjugated Linoleic Acid (CLA 18:2) (g)
N	Value	Description
2549	Range	0 - 0.583 (median=0.005 mean=0.0231 std=0.0416)

NNMA194		CLA cis-9, trans-11 (g)
N	Value	Description
2549	Range	0 - 0.495 (median=0.004 mean=0.0192 std=0.0350)

NNMA195		CLA trans-10, cis-12 (g)
N	Value	Description
2549	Range	0 - 0.091 (median=0.001 mean=0.0039 std=0.0072)

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Section A: NDSR Dietary Intake

NNMA196		Tagatose (mg)
N	Value	Description
2549	Range	0 - 18.018 (median=0 mean=0.1 std=0.8)

NNMA197		Vitamin D2 (ergocalciferol) (mcg)
N	Value	Description
2549	Range	0 - 3.75 (median=0 mean=0.0 std=0.2)

NNMA198		Vitamin D3 (cholecalciferol) (mcg)
N	Value	Description
2549	Range	0 - 24.171 (median=0.124 mean=0.9867 std=1.8663)

SOLNAS_VISIT		SOLNAS study visits: 1,2,3 or 4
N	Value	Description
2549	1	visit 1

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
2549	M	Main Studies

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Section A: NDSR Dietary Intake

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

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

NTIA3		Date of Intake
N	Value	Description
485	Range	01/05/2011 - 04/03/2012

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

NTIA5		Record Type
N	Value	Description
485	0	Recall

NTIA9		Date of Entry
N	Value	Description
485	Range	02/10/2011 - 04/04/2012

NTIA10		Day of Intake
N	Value	Description
49	0	Sunday
11	1	Monday
100	2	Tuesday
145	3	Wednesday
123	4	Thursday
33	5	Friday
24	6	Saturday

NTIA13		Site ID
N	Value	Description
412	Present	Variable/Text Values Suppressed
73		Missing

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Section A: NDSR Dietary Intake

NTIA15		Intake Amount
N	Value	Description
370	0	Close to the amount that you usually eat?
32	1	A lot more than usually eat?
83	2	A lot less than usually eat?

NTIA16		Intake Reliability
N	Value	Description
483	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
66	2010	2010 version
419	2011	2011 version

NTIA18		Data Collected in Software Version
N	Value	Description
66	2010	2010 version
419	2011	2011 version

NTIA19		Total Grams
N	Value	Description
485	Range	568.273 - 11845.01 (median=2893.615 mean=3016.2708 std=1268.1777)

NTIA20		Energy (kilocalories)
N	Value	Description
485	Range	0 - 7600.131 (median=1867.384 mean=2021.0753 std=935.4364)

NTIA21		Total Fat (g)
N	Value	Description
485	Range	0 - 267.732 (median=63.764 mean=71.2738 std=41.4208)

SOLNAS Main Study Code Book (INV version 2.0), Chapter 3 Section A**Section A: NDSR Dietary Intake**

NTIA22		Total Carbohydrate (g)
N	Value	Description
485	Range	0 - 1085.959 (median=244.847 mean=266.4667 std=125.3111)

NTIA23		Total Protein (g)
N	Value	Description
485	Range	0 - 320.183 (median=73.576 mean=81.3996 std=41.5604)

NTIA24		Animal Protein (g)
N	Value	Description
485	Range	0 - 220.966 (median=48.309 mean=54.8118 std=32.9954)

NTIA25		Vegetable Protein (g)
N	Value	Description
485	Range	0 - 114.588 (median=23.944 mean=26.5881 std=15.7717)

NTIA26		Alcohol (g)
N	Value	Description
485	Range	0 - 134.363 (median=0 mean=2.3 std=11.4)

NTIA27		Cholesterol (mg)
N	Value	Description
485	Range	0 - 1319.754 (median=216.418 mean=272.6151 std=206.5168)

NTIA28		Total Saturated Fatty Acids (SFA) (g)
N	Value	Description
485	Range	0 - 106.636 (median=19.189 mean=23.2644 std=15.4412)

NTIA29		Total Monounsaturated Fatty Acids (MUFA) (g)
N	Value	Description
485	Range	0 - 108.311 (median=22.334 mean=26.2107 std=16.1365)

NTIA30		Total Polyunsaturated Fatty Acids (PUFA) (g)
N	Value	Description
485	Range	0 - 86.067 (median=13.109 mean=15.7563 std=11.2899)

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Section A: NDSR Dietary Intake

NTIA31		Fructose (g)
N	Value	Description
485	Range	0 - 143.627 (median=20.953 mean=24.9905 std=20.5848)

NTIA32		Galactose (g)
N	Value	Description
485	Range	0 - 17.732 (median=0.081 mean=0.4229 std=1.4162)

NTIA33		Glucose (g)
N	Value	Description
485	Range	0 - 135.122 (median=20.549 mean=24.2001 std=18.7543)

NTIA34		Lactose (g)
N	Value	Description
485	Range	0 - 94.238 (median=8.887 mean=12.2841 std=13.2156)

NTIA35		Maltose (g)
N	Value	Description
485	Range	0 - 23.865 (median=1.403 mean=2.2731 std=2.8000)

NTIA36		Sucrose (g)
N	Value	Description
485	Range	0 - 259.357 (median=39.896 mean=48.2481 std=37.4074)

NTIA37		Starch (g)
N	Value	Description
485	Range	0 - 583.065 (median=105.533 mean=117.9341 std=64.8635)

NTIA38		Total Dietary Fiber (g)
N	Value	Description
485	Range	0 - 90.203 (median=16.359 mean=18.8958 std=12.7041)

NTIA39		Soluble Dietary Fiber (g)
N	Value	Description
485	Range	0 - 37.996 (median=4.933 mean=5.9663 std=4.6004)

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NTIA40		<i>Insoluble Dietary Fiber (g)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
485	Range	0 - 53.771 (median=11.011 mean=12.8438 std=9.0451)

NTIA41		<i>Pectins (g)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
485	Range	0 - 13.272 (median=1.938 mean=2.4430 std=1.9666)

NTIA42		<i>Total Vitamin A Activity (International Units)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
485	Range	0 - 97224.24 (median=3498.077 mean=6318.9713 std=9775.6452)

NTIA43		<i>Beta-Carotene Equivalents (derived from provitamin A carotenoids) (mcg)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
485	Range	0 - 58093.24 (median=1210.584 mean=2965.2306 std=5729.4347)

NTIA44		<i>Retinol (mcg)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
485	Range	0 - 11618.83 (median=296.327 mean=413.2157 std=692.4816)

NTIA45		<i>Vitamin D (calciferol) (mcg)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
485	Range	0 - 31.062 (median=4.11 mean=5.273 std=4.715)

NTIA46		<i>Total Alpha-Tocopherol Equivalents (see columns 171-173) (mg)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
485	Range	0 - 128.904 (median=7.814 mean=10.1057 std=9.6210)

NTIA47		<i>Vitamin E (Total Alpha-Tocopherol) (see columns 171-173) (mg)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
485	Range	0 - 64.981 (median=6.443 mean=8.0715 std=6.6027)

NTIA48		<i>Beta-Tocopherol (mg)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
485	Range	0 - 3.942 (median=0.292 mean=0.3990 std=0.3919)

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

Section A: NDSR Dietary Intake

NTIA49		Gamma-Tocopherol (mg)
N	Value	Description
485	Range	0 - 64.279 (median=9.344 mean=11.9932 std=9.9843)

NTIA50		Delta-Tocopherol (mg)
N	Value	Description
485	Range	0 - 19.898 (median=1.98 mean=2.773 std=2.822)

NTIA51		Vitamin K (phylloquinone) (mcg)
N	Value	Description
485	Range	0 - 1299.584 (median=49.019 mean=76.6980 std=100.5282)

NTIA52		Vitamin C (ascorbic acid) (mg)
N	Value	Description
485	Range	0 - 754.305 (median=74.976 mean=98.5763 std=97.3520)

NTIA53		Thiamin (vitamin B1) (mg)
N	Value	Description
485	Range	0 - 8.606 (median=1.5 mean=1.68 std=0.91)

NTIA54		Riboflavin (vitamin B2) (mg)
N	Value	Description
485	Range	0 - 6.797 (median=1.646 mean=1.8603 std=0.9857)

NTIA55		Niacin (vitamin B3) (mg)
N	Value	Description
485	Range	0 - 96.676 (median=19.942 mean=22.9972 std=12.7525)

NTIA56		Pantothenic Acid (mg)
N	Value	Description
485	Range	0 - 31.42 (median=4.58 mean=5.143 std=2.871)

NTIA57		Vitamin B6 (pyridoxine, pyridoxyl, and pyridoxamine) (mg)
N	Value	Description
485	Range	0 - 13.596 (median=1.757 mean=2.0029 std=1.2767)

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Section A: NDSR Dietary Intake

NTIA58		Total Folate (see columns 149-151) (mcg)
N	Value	Description
485	Range	0 - 1910.048 (median=345.608 mean=407.0886 std=265.7343)

NTIA59		Vitamin B12 (cobalamin) (mcg)
N	Value	Description
485	Range	0 - 311.607 (median=3.531 mean=5.8113 std=20.0378)

NTIA60		Calcium (mg)
N	Value	Description
485	Range	52.153 - 4305.099 (median=738.964 mean=871.4285 std=560.3934)

NTIA61		Phosphorus (mg)
N	Value	Description
485	Range	0 - 5003.303 (median=1107.999 mean=1244.5771 std=629.1786)

NTIA62		Magnesium (mg)
N	Value	Description
485	Range	35.55 - 1140.233 (median=267.688 mean=300.6773 std=152.1064)

NTIA63		Iron (mg)
N	Value	Description
485	Range	0 - 73.989 (median=12.256 mean=14.5193 std=8.6316)

NTIA64		Zinc (mg)
N	Value	Description
485	Range	0.356 - 48.268 (median=9.711 mean=10.9033 std=6.3046)

NTIA65		Copper (mg)
N	Value	Description
485	Range	0.158 - 17.273 (median=1.168 mean=1.3331 std=1.1241)

NTIA66		Selenium (mcg)
N	Value	Description
485	Range	0 - 422.865 (median=104.753 mean=114.7886 std=59.6632)

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

Section A: NDSR Dietary Intake

NTIA67		Sodium (mg)
N	Value	Description
485	Range	142.2 - 11231.62 (median=3018.536 mean=3396.0317 std=1869.8278)

NTIA68		Potassium (mg)
N	Value	Description
485	Range	0 - 9659.185 (median=2347.565 mean=2610.3168 std=1343.4193)

NTIA69		SFA 4:0 (butyric acid) (g)
N	Value	Description
485	Range	0 - 3.528 (median=0.343 mean=0.4705 std=0.4892)

NTIA70		SFA 6:0 (caproic acid) (g)
N	Value	Description
485	Range	0 - 1.867 (median=0.18 mean=0.248 std=0.261)

NTIA71		SFA 8:0 (caprylic acid) (g)
N	Value	Description
485	Range	0 - 5.059 (median=0.159 mean=0.2624 std=0.4424)

NTIA72		SFA 10:0 (capric acid) (g)
N	Value	Description
485	Range	0 - 4.377 (median=0.301 mean=0.4153 std=0.4783)

NTIA73		SFA 12:0 (lauric acid) (g)
N	Value	Description
485	Range	0 - 32.059 (median=0.359 mean=0.9889 std=2.7047)

NTIA74		SFA 14:0 (myristic acid) (g)
N	Value	Description
485	Range	0 - 14.843 (median=1.564 mean=2.0095 std=1.8913)

NTIA75		SFA 16:0 (palmitic acid) (g)
N	Value	Description
485	Range	0 - 54.238 (median=10.784 mean=12.7017 std=7.7982)

SOLNAS Main Study Code Book (INV version 2.0), Chapter 3 Section A
Section A: NDSR Dietary Intake

NTIA76		SFA 17:0 (margaric acid) (g)
N	Value	Description
485	Range	0 - 1.225 (median=0.044 mean=0.0749 std=0.1090)

NTIA77		SFA 18:0 (stearic acid) (g)
N	Value	Description
485	Range	0 - 26.249 (median=4.624 mean=5.4911 std=3.6694)

NTIA78		SFA 20:0 (arachidic acid) (g)
N	Value	Description
485	Range	0 - 0.518 (median=0.096 mean=0.1187 std=0.0965)

NTIA79		SFA 22:0 (behenic acid) (g)
N	Value	Description
485	Range	0 - 0.741 (median=0.044 mean=0.0723 std=0.0935)

NTIA80		MUFA 14:1 (myristoleic acid) (g)
N	Value	Description
485	Range	0 - 0.9 (median=0.037 mean=0.0698 std=0.0996)

NTIA81		MUFA 16:1 (palmitoleic acid) (g)
N	Value	Description
485	Range	0 - 6.128 (median=0.972 mean=1.2036 std=0.8947)

NTIA82		MUFA 18:1 (oleic acid) (g)
N	Value	Description
485	Range	0 - 100.421 (median=21.01 mean=24.481 std=15.085)

NTIA83		MUFA 20:1 (gadoleic acid) (g)
N	Value	Description
485	Range	0 - 1.372 (median=0.154 mean=0.2144 std=0.1954)

NTIA84		MUFA 22:1 (erucic acid) (g)
N	Value	Description
485	Range	0 - 0.876 (median=0.002 mean=0.0151 std=0.0541)

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

Section A: NDSR Dietary Intake

NTIA85		PUFA 18:2 (linoleic acid) (g)
N	Value	Description
485	Range	0 - 79.026 (median=11.369 mean=13.9116 std=10.2017)

NTIA86		PUFA 18:3 (linolenic acid) (g)
N	Value	Description
485	Range	0 - 9.076 (median=1.156 mean=1.5008 std=1.2665)

NTIA87		PUFA 18:4 (parinaric acid) (g)
N	Value	Description
485	Range	0 - 0.126 (median=0 mean=0.0 std=0.0)

NTIA88		PUFA 20:4 (arachidonic acid) (g)
N	Value	Description
485	Range	0 - 1.813 (median=0.114 mean=0.1466 std=0.1447)

NTIA89		PUFA 20:5 (eicosapentaenoic acid [EPA]) (g)
N	Value	Description
485	Range	0 - 0.772 (median=0.006 mean=0.0307 std=0.0813)

NTIA90		PUFA 22:5 (docosapentaenoic acid [DPA]) (g)
N	Value	Description
485	Range	0 - 0.277 (median=0.007 mean=0.0174 std=0.0284)

NTIA91		PUFA 22:6 (docosahexaenoic acid [DHA]) (g)
N	Value	Description
485	Range	0 - 2.48 (median=0.032 mean=0.0665 std=0.1501)

NTIA92		Tryptophan (g)
N	Value	Description
485	Range	0 - 3.665 (median=0.832 mean=0.9286 std=0.4779)

NTIA93		Threonine (g)
N	Value	Description
485	Range	0 - 11.828 (median=2.781 mean=3.1076 std=1.6303)

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Section A: NDSR Dietary Intake

NTIA94		Isoleucine (g)
N	Value	Description
485	Range	0 - 15.118 (median=3.339 mean=3.7111 std=1.9579)

NTIA95		Leucine (g)
N	Value	Description
485	Range	0 - 25.421 (median=5.732 mean=6.3935 std=3.3027)

NTIA96		Lysine (g)
N	Value	Description
485	Range	0 - 22.169 (median=4.907 mean=5.4850 std=3.0936)

NTIA97		Methionine (g)
N	Value	Description
485	Range	0 - 6.998 (median=1.665 mean=1.8569 std=0.9911)

NTIA98		Cystine (g)
N	Value	Description
485	Range	0 - 4.346 (median=1.069 mean=1.1717 std=0.5949)

NTIA99		Phenylalanine (g)
N	Value	Description
485	Range	0 - 14.453 (median=3.246 mean=3.5896 std=1.8338)

NTIA100		Tyrosine (g)
N	Value	Description
485	Range	0 - 11.315 (median=2.479 mean=2.7780 std=1.4409)

NTIA101		Valine (g)
N	Value	Description
485	Range	0 - 16.45 (median=3.765 mean=4.1683 std=2.1553)

NTIA102		Arginine (g)
N	Value	Description
485	Range	0 - 17.697 (median=4.105 mean=4.5243 std=2.4612)

SOLNAS Main Study Code Book (INV version 2.0), Chapter 3 Section A**Section A: NDSR Dietary Intake**

NTIA103		Histidine (g)
N	Value	Description
485	Range	0 - 9.194 (median=1.981 mean=2.2645 std=1.2429)

NTIA104		Alanine (g)
N	Value	Description
485	Range	0 - 15.008 (median=3.558 mean=3.9588 std=2.1596)

NTIA105		Aspartic Acid (g)
N	Value	Description
485	Range	0 - 29.063 (median=6.475 mean=7.2288 std=3.8080)

NTIA106		Glutamic Acid (g)
N	Value	Description
485	Range	0 - 59.282 (median=13.616 mean=15.4077 std=7.7808)

NTIA107		Glycine (g)
N	Value	Description
485	Range	0 - 13.869 (median=3.064 mean=3.4890 std=2.0207)

NTIA108		Proline (g)
N	Value	Description
485	Range	0 - 20.929 (median=4.471 mean=5.1647 std=2.7031)

NTIA109		Serine (g)
N	Value	Description
485	Range	0 - 14.135 (median=3.329 mean=3.6645 std=1.8855)

NTIA110		Aspartame (mg)
N	Value	Description
485	Range	0 - 650.4 (median=0 mean=11.2 std=61.0)

NTIA111		Saccharin (mg)
N	Value	Description
485	Range	0 - 109.875 (median=0 mean=0.4 std=6.0)

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Section A: NDSR Dietary Intake

NTIA112		Caffeine (mg)
N	Value	Description
485	Range	0 - 897.957 (median=71.04 mean=100.098 std=127.005)

NTIA113		Phytic Acid (mg)
N	Value	Description
485	Range	0 - 9007.826 (median=529.136 mean=676.2782 std=638.3654)

NTIA114		Oxalic Acid (mg)
N	Value	Description
485	Range	0 - 3450.693 (median=97.955 mean=176.4616 std=296.4474)

NTIA115		3-Methylhistidine (mg)
N	Value	Description
485	Range	0 - 119.03 (median=15.83 mean=19.018 std=15.556)

NTIA116		Sucrose Polyester (g)
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA117		Ash (g)
N	Value	Description
485	Range	3.555 - 58.351 (median=16.506 mean=17.8525 std=8.0092)

NTIA118		Water (g)
N	Value	Description
485	Range	438.996 - 10745.24 (median=2525.458 mean=2624.3376 std=1165.0529)

NTIA119		% Calories from Fat
N	Value	Description
485	Range	0 - 61.357 (median=29.835 mean=30.4867 std=8.2914)

NTIA120		% Calories from Carbohydrate
N	Value	Description
485	Range	0 - 77.349 (median=52.629 mean=52.2122 std=9.7201)

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Section A: NDSR Dietary Intake

NTIA121		% Calories from Protein
N	Value	Description
485	Range	0 - 38.882 (median=15.71 mean=16.469 std=5.029)

NTIA122		% Calories from Alcohol
N	Value	Description
485	Range	0 - 32.913 (median=0 mean=0.6 std=3.0)

NTIA123		% Calories from SFA
N	Value	Description
485	Range	0 - 27.524 (median=9.296 mean=9.9202 std=3.7338)

NTIA124		% Calories from MUFA
N	Value	Description
485	Range	0 - 24.232 (median=10.99 mean=11.225 std=3.743)

NTIA125		% Calories from PUFA
N	Value	Description
485	Range	0 - 24.648 (median=6.146 mean=6.7316 std=3.3383)

NTIA126		Polyunsaturated to Saturated Fat Ratio
N	Value	Description
485	Range	0 - 2.378 (median=0.645 mean=0.7733 std=0.4549)

NTIA127		Cholesterol to Saturated Fatty Acid Index
N	Value	Description
485	Range	0 - 157.631 (median=31.846 mean=37.1278 std=23.2861)

NTIA128		Total Vitamin A Activity (Retinol Equivalents) (mcg)
N	Value	Description
485	Range	0 - 11717.61 (median=614.925 mean=907.4208 std=1167.4927)

NTIA129		18:1 TRANS (trans-octadecenoic acid [elaidic acid]) (g)
N	Value	Description
485	Range	0 - 10.462 (median=1.211 mean=1.6646 std=1.5125)

SOLNAS Main Study Code Book (INV version 2.0), Chapter 3 Section A**Section A: NDSR Dietary Intake**

NTIA130		18:2 TRANS (trans-octadecadienoic acid [linolelaidic acid] (g)
N	Value	Description
485	Range	0 - 1.254 (median=0.261 mean=0.3226 std=0.2342)

NTIA131		16:1 TRANS (trans-hexadecenoic acid) (g)
N	Value	Description
485	Range	0 - 0.39 (median=0.018 mean=0.0334 std=0.0455)

NTIA132		Total Trans-Fatty Acids (TRANS) (g)
N	Value	Description
485	Range	0 - 11.905 (median=1.57 mean=2.078 std=1.746)

NTIA133		User Nutrient #1 (mg)
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA134		User Nutrient #2 (mg)
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA135		User Nutrient #3 (mg)
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA136		User Nutrient #4 (mg)
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA137		User Nutrient #5 (mg)
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA138		User Nutrient #6 (mg)
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

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Section A: NDSR Dietary Intake

NTIA139		User Nutrient #7 (mg)
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA140		User Nutrient #8 (mg)
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA141		User Nutrient #9 (mg)
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA142		User Nutrient #10 (mg)
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA143		Notes from the Header Tab (up to 200 characters)
N	Value	Description
445	Present	Variable/Text Values Suppressed
40		Missing

NTIA144		Beta-Carotene (provitamin A carotenoid) (mcg)
N	Value	Description
485	Range	0 - 56308.5 (median=999.344 mean=2597.3429 std=5068.9939)

NTIA145		Alpha-Carotene (provitamin A carotenoid) (mcg)
N	Value	Description
485	Range	0 - 20571.63 (median=77.779 mean=600.1050 std=1612.5891)

NTIA146		Beta-Cryptoxanthin (provitamin A carotenoid) (mcg)
N	Value	Description
485	Range	0 - 2859.239 (median=28 mean=135.7 std=316.3)

NTIA147		Lutein + Zeaxanthin (mcg)
N	Value	Description
485	Range	0 - 28761.88 (median=621.101 mean=1099.7208 std=2029.1858)

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

Section A: NDSR Dietary Intake

NTIA148		Lycopene (mcg)
N	Value	Description
485	Range	0 - 76431.07 (median=2324.263 mean=5705.5709 std=9064.9803)

NTIA149		Dietary Folate Equivalents (mcg)
N	Value	Description
485	Range	0 - 2917.248 (median=429.521 mean=529.6217 std=367.3257)

NTIA150		Natural Folate (food folate) (mcg)
N	Value	Description
485	Range	0 - 1651.486 (median=192.697 mean=232.1117 std=182.0532)

NTIA151		Synthetic Folate (folic acid) (mcg)
N	Value	Description
485	Range	0 - 1604.837 (median=129.189 mean=175.0038 std=178.8500)

NTIA152		Data Generated in NCC Database Version (see column 17)
N	Value	Description
485	Range	2011 - 2011 (median=2011 mean=2011.0 std=0.0)

NTIA153		Data Generated in Software Version (see column 18)
N	Value	Description
485	Range	2011 - 2011 (median=2011 mean=2011.0 std=0.0)

NTIA154		Notes from the Trailer Tab (up to 200 characters)
N	Value	Description
192	Present	Variable/Text Values Suppressed
293		Missing

NTIA155		User Nutrient #11 (mg)
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

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Section A: NDSR Dietary Intake

NTIA156		User Nutrient #12 (mg)
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA157		User Nutrient #13 (mg)
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA158		User Nutrient #14 (mg)
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA159		User Nutrient #15 (mg)
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA160		User Nutrient #16 (mg)
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA161		User Nutrient #17 (mg)
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA162		User Nutrient #18 (mg)
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA163		User Nutrient #19 (mg)
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA164		User Nutrient #20 (mg)
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

SOLNAS Main Study Code Book (INV version 2.0), Chapter 3 Section A**Section A: NDSR Dietary Intake**

NTIA165		Total Vitamin A Activity (Retinol Activity Equivalents) (mcg)
N	Value	Description
485	Range	0 - 11668.22 (median=497.158 mean=660.3182 std=832.6606)

NTIA166		Energy (kilojoules-kj)
N	Value	Description
485	Range	0 - 31798.95 (median=7813.136 mean=8456.1780 std=3913.8645)

NTIA167		Niacin Equivalents (mg)
N	Value	Description
485	Range	0 - 153.725 (median=34.435 mean=38.4737 std=19.4942)

NTIA168		Total Sugars (g)
N	Value	Description
485	Range	0 - 469.696 (median=100.386 mean=112.4188 std=67.4896)

NTIA169		Omega-3 Fatty Acids (g)
N	Value	Description
485	Range	0 - 9.076 (median=1.261 mean=1.6176 std=1.3201)

NTIA170		Manganese (mg)
N	Value	Description
485	Range	0 - 87.869 (median=2.706 mean=3.3125 std=4.3602)

NTIA171		Vitamin E (International Units-IU)
N	Value	Description
485	Range	0 - 133.687 (median=9.657 mean=12.4114 std=11.2170)

NTIA172		Natural Alpha-Tocopherol (RRR-alpha-tocopherol or d-alpha-tocopherol) (mg)
N	Value	Description
485	Range	0 - 52.161 (median=6.201 mean=7.5414 std=5.5245)

NTIA173		Synthetic Alpha-Tocopherol(all rac-alpha-tocopherol or dl-alpha-tocopherol) (mg)
N	Value	Description
485	Range	0 - 111.76 (median=0 mean=1.2 std=6.6)

SOLNAS Main Study Code Book (INV version 2.0), Chapter 3 Section A
Section A: NDSR Dietary Intake

NTIA174		Daidzein (mg)
N	Value	Description
485	Range	0 - 41.151 (median=0.064 mean=0.8341 std=3.6540)

NTIA175		Genistein (mg)
N	Value	Description
485	Range	0 - 41.821 (median=0.067 mean=1.0326 std=4.1163)

NTIA176		Glycitein (mg)
N	Value	Description
485	Range	0 - 5.653 (median=0 mean=0.1 std=0.6)

NTIA177		Coumestrol (mg)
N	Value	Description
485	Range	0 - 4.458 (median=0.018 mean=0.0767 std=0.2483)

NTIA178		Biochanin A (mg)
N	Value	Description
485	Range	0 - 22.345 (median=0 mean=0.2 std=1.5)

NTIA179		Formononetin (mg)
N	Value	Description
485	Range	0 - 0.585 (median=0 mean=0.0 std=0.0)

NTIA180		Column intentionally left blank
N	Value	Description
485		Missing

NTIA181		Column intentionally left blank (NTIA181)
N	Value	Description
485		Missing

NTIA182		Column intentionally left blank
N	Value	Description
485		Missing

SOLNAS Main Study Code Book (INV version 2.0), Chapter 3 Section A
Section A: NDSR Dietary Intake

NTIA183		Column intentionally left blank
N	Value	Description
485		Missing

NTIA184		Added Sugars (g)
N	Value	Description
485	Range	0 - 420.469 (median=58.496 mean=72.9167 std=60.0094)

NTIA185		Acesulfame Potassium (mg)
N	Value	Description
485	Range	0 - 650.4 (median=0 mean=2.6 std=31.2)

NTIA186		Sucralose (mg)
N	Value	Description
485	Range	0 - 6361.369 (median=0 mean=75.8 std=491.2)

NTIA187		Available Carbohydrate (g)
N	Value	Description
485	Range	0 - 1049.198 (median=228.398 mean=247.1882 std=117.7614)

NTIA188		Glycemic Index (glucose reference)
N	Value	Description
485	Range	0 - 82.995 (median=60.352 mean=59.6162 std=6.6173)

NTIA189		Glycemic Index (bread reference)
N	Value	Description
485	Range	0 - 118.648 (median=86.297 mean=85.2146 std=9.4576)

NTIA190		Glycemic Load (glucose reference)
N	Value	Description
485	Range	0 - 674.922 (median=136.314 mean=148.3554 std=73.9895)

NTIA191		Glycemic Load (bread reference)
N	Value	Description
485	Range	0 - 964.781 (median=194.812 mean=212.0566 std=105.7572)

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

Section A: NDSR Dietary Intake

NTIA192		Choline (mg)
N	Value	Description
485	Range	0 - 1042.507 (median=286.26 mean=322.737 std=177.845)

NTIA193		Betaine (mg)
N	Value	Description
485	Range	0 - 635.548 (median=85.617 mean=113.1865 std=97.5437)

NTIA194		Erythritol (g)
N	Value	Description
485	Range	0 - 6.003 (median=0 mean=0.0 std=0.3)

NTIA195		Inositol (g)
N	Value	Description
485	Range	0 - 2.236 (median=0.025 mean=0.1101 std=0.2248)

NTIA196		Isomalt (g)
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA197		Lactitol (g)
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

NTIA198		Maltitol (g)
N	Value	Description
485	Range	0 - 24 (median=0 mean=0.1 std=1.2)

NTIA199		Mannitol (g)
N	Value	Description
485	Range	0 - 2.367 (median=0.122 mean=0.2531 std=0.3557)

NTIA200		Pinitol (g)
N	Value	Description
485	Range	0 - 0.243 (median=0 mean=0.0 std=0.0)

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

Section A: NDSR Dietary Intake

NTIA201		Sorbitol (g)
N	Value	Description
485	Range	0 - 14.92 (median=0.018 mean=0.3621 std=1.1566)

NTIA202		Xylitol (g)
N	Value	Description
485	Range	0 - 0.17 (median=0.007 mean=0.0120 std=0.0181)

SOLNAS_VISIT		SOLNAS study visits: 1,2,3 or 4
N	Value	Description
485	1	visit 1

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
485	M	Main Studies

SOLNAS Main 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
485	Present	Variable/Text Values Suppressed

N09A2		Participant ID: (Refer to ID)
N	Value	Description
485		Missing

N09A3		Date of menu
N	Value	Description
485	Range	01/05/2011 - 04/03/2012

***All following variables are measured in servings/day.

N09A4		FRU0100 Citrus Juice
N	Value	Description
485	Range	0 - 12.875 (median=0 mean=0.4 std=1.2)

N09A5		FRU0200 Fruit Juice excluding Citrus Juice
N	Value	Description
485	Range	0 - 9 (median=0 mean=0.2 std=0.9)

N09A6		FRU0300 Citrus Fruit
N	Value	Description
485	Range	0 - 4.594 (median=0 mean=0.1 std=0.5)

N09A7		FRU0400 Fruit excluding Citrus Fruit
N	Value	Description
485	Range	0 - 15.909 (median=0 mean=1.0 std=1.8)

N09A8		FRU0500 Avocado and Similar
N	Value	Description
485	Range	0 - 4.053 (median=0 mean=0.1 std=0.3)

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N09A9		FRU0600 Fried Fruits
N	Value	Description
485	Range	0 - 5.766 (median=0 mean=0.1 std=0.6)

N09A10		FRU0700 Fruit-based Savory Snack
N	Value	Description
485	Range	0 - 0.952 (median=0 mean=0.0 std=0.0)

N09A11		VEG0100 Dark-green Vegetables
N	Value	Description
485	Range	0 - 4.863 (median=0 mean=0.2 std=0.6)

N09A12		VEG0200 Deep-yellow Vegetables
N	Value	Description
485	Range	0 - 7.203 (median=0 mean=0.1 std=0.5)

N09A13		VEG0300 Tomato
N	Value	Description
485	Range	0 - 7.132 (median=0.288 mean=0.5702 std=0.8365)

N09A14		VEG0400 White Potatoes
N	Value	Description
485	Range	0 - 7.692 (median=0 mean=0.3 std=0.9)

N09A15		VEG0800 Fried Potatoes
N	Value	Description
485	Range	0 - 7.7 (median=0 mean=0.2 std=0.6)

N09A16		VEG0450 Other Starchy Vegetables
N	Value	Description
485	Range	0 - 8.069 (median=0.003 mean=0.1984 std=0.7392)

N09A17		VEG0700 Legumes (cooked dried beans)
N	Value	Description
485	Range	0 - 9.004 (median=0 mean=0.5 std=1.0)

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N09A18		VEG0600 Other Vegetables
N	Value	Description
485	Range	0 - 9.756 (median=0.518 mean=0.9555 std=1.2394)

N09A19		VEG0900 Fried Vegetables
N	Value	Description
485	Range	0 - 3.721 (median=0 mean=0.0 std=0.2)

N09A20		VEG0500 Vegetable Juice
N	Value	Description
485	Range	0 - 4 (median=0 mean=0.1 std=0.4)

N09A21		FMC0100 Vegetable-based Savory Snack
N	Value	Description
485	Range	0 - 3.386 (median=0 mean=0.1 std=0.3)

N09A22		GRW0100 Grains, Flour and Dry Mixes - Whole Grain
N	Value	Description
485	Range	0 - 9 (median=0 mean=0.3 std=0.9)

N09A23		GRS0100 Grains, Flour and Dry Mixes - Some Whole Grain
N	Value	Description
485	Range	0 - 1.102 (median=0 mean=0.0 std=0.1)

N09A24		GRR0100 Grains, Flour and Dry Mixes - Refined Grain
N	Value	Description
485	Range	0 - 20 (median=1.029 mean=1.9623 std=2.5455)

N09A25		GRW0200 Loaf-type Bread and Plain Rolls - Whole Grain
N	Value	Description
485	Range	0 - 4.5 (median=0 mean=0.2 std=0.6)

N09A26		GRS0200 Loaf-type Bread and Plain Rolls - Some Whole Grain
N	Value	Description
485	Range	0 - 4.8 (median=0 mean=0.2 std=0.7)

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N09A27		GRR0200 Loaf-type Bread and Plain Rolls - Refined Grain
N	Value	Description
485	Range	0 - 9.252 (median=0 mean=1.2 std=1.8)

N09A28		GRW0300 Other Breads (quick breads, corn muffins, tortillas) - Whole Grain
N	Value	Description
485	Range	0 - 15.276 (median=0 mean=0.8 std=1.7)

N09A29		GRS0300 Other Breads (quick breads, corn muffins, tortillas) - Some Whole Grain
N	Value	Description
485	Range	0 - 6.211 (median=0 mean=0.0 std=0.3)

N09A30		GRR0300 Other Breads (quick breads, corn muffins, tortillas) - Refined Grain
N	Value	Description
485	Range	0 - 7.775 (median=0 mean=0.4 std=1.2)

N09A31		GRW0400 Crackers - Whole Grain
N	Value	Description
485	Range	0 - 1.481 (median=0 mean=0.0 std=0.1)

N09A32		GRS0400 Crackers - Some Whole Grain
N	Value	Description
485	Range	0 - 1.153 (median=0 mean=0.0 std=0.1)

N09A33		GRR0400 Crackers - Refined Grain
N	Value	Description
485	Range	0 - 2.998 (median=0 mean=0.1 std=0.3)

N09A34		GRW0500 Pasta - Whole Grain
N	Value	Description
485	Range	0 - 3 (median=0 mean=0.0 std=0.1)

N09A35		GRS0500 Pasta - Some Whole Grain
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

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N09A36		GRR0500 Pasta - Refined Grain
N	Value	Description
485	Range	0 - 9.905 (median=0 mean=0.5 std=1.2)

N09A37		GRW0600 Ready-to-eat Cereal (not presweetened) - Whole Grain
N	Value	Description
485	Range	0 - 8.571 (median=0 mean=0.1 std=0.6)

N09A38		GRS0600 Ready-to-eat Cereal (not presweetened) - Some Whole Grain
N	Value	Description
485	Range	0 - 2.751 (median=0 mean=0.0 std=0.1)

N09A39		GRR0600 Ready-to-eat Cereal (not presweetened) - Refined Grain
N	Value	Description
485	Range	0 - 1.975 (median=0 mean=0.0 std=0.2)

N09A40		GRW0700 Ready-to-eat Cereal (presweetened) - Whole Grain
N	Value	Description
485	Range	0 - 5.185 (median=0 mean=0.1 std=0.5)

N09A41		GRS0700 Ready-to-eat Cereal (presweetened) - Some Whole Grain
N	Value	Description
485	Range	0 - 7.69 (median=0 mean=0.0 std=0.4)

N09A42		GRR0700 Ready-to-eat Cereal (presweetened) - Refined Grain
N	Value	Description
485	Range	0 - 5.644 (median=0 mean=0.1 std=0.4)

N09A43		GRW0800 Cakes, Cookies, Pies, Pastries, Danish, Doughnuts and Cobblers - Whole Grain
N	Value	Description
485	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
485	Range	0 - 2.8 (median=0 mean=0.0 std=0.2)

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N09A45		GRR0800 Cakes, Cookies, Pies, Pastries, Danish, Doughnuts and Cobblers - Refined Grain
N	Value	Description
485	Range	0 - 10.833 (median=0 mean=0.4 std=0.9)

N09A46		GRW1000 Snack Bars - Whole Grain
N	Value	Description
485	Range	0 - 1.05 (median=0 mean=0.0 std=0.1)

N09A47		GRS1000 Snack Bars - Some Whole Grain
N	Value	Description
485	Range	0 - 1.85 (median=0 mean=0.0 std=0.2)

N09A48		GRR1000 Snack Bars - Refined Grain
N	Value	Description
485	Range	0 - 2 (median=0 mean=0.0 std=0.1)

N09A49		GRW0900 Snack Chips - Whole Grain
N	Value	Description
485	Range	0 - 3.386 (median=0 mean=0.1 std=0.4)

N09A50		GRS0900 Snack Chips - Some Whole Grain
N	Value	Description
485	Range	0 - 2.5 (median=0 mean=0.0 std=0.1)

N09A51		GRR0900 Snack Chips - Refined Grain
N	Value	Description
485	Range	0 - 5.75 (median=0 mean=0.0 std=0.4)

N09A52		GRW1100 Popcorn
N	Value	Description
485	Range	0 - 3.852 (median=0 mean=0.0 std=0.2)

N09A53		GRW1200 Flavored Popcorn
N	Value	Description
485	Range	0 - 3.725 (median=0 mean=0.0 std=0.2)

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N09A54		GRO0100 Baby Food Grain Mixtures
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A55		MRF0100 Beef
N	Value	Description
485	Range	0 - 20.674 (median=0 mean=0.8 std=2.0)

N09A56		MRL0100 Lean Beef
N	Value	Description
485	Range	0 - 11.953 (median=0 mean=0.4 std=1.4)

N09A57		MRF0200 Veal
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A58		MRL0200 Lean Veal
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A59		MRF0300 Lamb
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A60		MRL0300 Lean Lamb
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A61		MRF0400 Fresh Pork
N	Value	Description
485	Range	0 - 20.213 (median=0 mean=0.4 std=1.7)

N09A62		MRL0400 Lean Fresh Pork
N	Value	Description
485	Range	0 - 11.146 (median=0 mean=0.2 std=1.0)

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N09A63		MCF0200 Cured Pork
N	Value	Description
485	Range	0 - 5.625 (median=0 mean=0.2 std=0.5)

N09A64		MCL0200 Lean Cured Pork
N	Value	Description
485	Range	0 - 6.559 (median=0 mean=0.1 std=0.6)

N09A65		MRF0500 Game
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A66		MPF0100 Poultry
N	Value	Description
485	Range	0 - 10.723 (median=0 mean=0.3 std=1.2)

N09A67		MPL0100 Lean Poultry
N	Value	Description
485	Range	0 - 22.176 (median=0 mean=1.3 std=2.5)

N09A68		MPF0200 Fried Chicken - Commercial Entrée and Fast Food
N	Value	Description
485	Range	0 - 5.855 (median=0 mean=0.1 std=0.6)

N09A69		MFF0100 Fish - Fresh and Smoked
N	Value	Description
485	Range	0 - 2.926 (median=0 mean=0.0 std=0.1)

N09A70		MFL0100 Lean Fish - Fresh and Smoked
N	Value	Description
485	Range	0 - 9.253 (median=0 mean=0.5 std=1.4)

N09A71		MFF0200 Fried Fish - Commercial Entrée and Fast Food
N	Value	Description
485	Range	0 - 4.021 (median=0 mean=0.0 std=0.3)

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N09A72		MSL0100 Shellfish
N	Value	Description
485	Range	0 - 5.736 (median=0 mean=0.2 std=0.7)

N09A73		MSF0100 Fried Shellfish - Commercial Entrée and Fast Food
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A74		MCF0100 Cold Cuts and Sausage
N	Value	Description
485	Range	0 - 7.804 (median=0 mean=0.3 std=0.9)

N09A75		MCL0100 Lean Cold Cuts and Sausage
N	Value	Description
485	Range	0 - 6.554 (median=0 mean=0.3 std=0.8)

N09A76		MOF0100 Organ Meats
N	Value	Description
485	Range	0 - 6.288 (median=0 mean=0.0 std=0.4)

N09A77		MOF0200 Baby Food Meat Mixtures
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A78		FMC0200 Meat-based Savory Snack
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A79		MOF0300 Eggs
N	Value	Description
485	Range	0 - 5.828 (median=0 mean=0.5 std=0.9)

N09A80		MOF0400 Egg Substitute
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

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N09A81		MOF0500 Nuts and Seeds
N	Value	Description
485	Range	0 - 15.873 (median=0 mean=0.3 std=1.6)

N09A82		MOF0600 Nut and Seed Butters
N	Value	Description
485	Range	0 - 2 (median=0 mean=0.0 std=0.2)

N09A83		MOF0700 Meat Alternatives
N	Value	Description
485	Range	0 - 3.28 (median=0 mean=0.0 std=0.2)

N09A84		DMF0100 Milk - Whole
N	Value	Description
485	Range	0 - 5.25 (median=0 mean=0.3 std=0.7)

N09A85		DMR0100 Milk - Reduced Fat
N	Value	Description
485	Range	0 - 4.438 (median=0 mean=0.4 std=0.8)

N09A86		DML0100 Milk - Low Fat and Fat Free
N	Value	Description
485	Range	0 - 4.5 (median=0 mean=0.1 std=0.4)

N09A87		DMN0100 Milk - Nondairy
N	Value	Description
485	Range	0 - 3 (median=0 mean=0.0 std=0.3)

N09A88		DMF0200 Ready-to-drink Flavored Milk - Whole
N	Value	Description
485	Range	0 - 1.5 (median=0 mean=0.0 std=0.1)

N09A89		DMR0200 Ready-to-drink Flavored Milk - Reduced Fat
N	Value	Description
485	Range	0 - 1.125 (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
485	Range	0 - 1 (median=0 mean=0.0 std=0.0)

N09A91		DML0300 Sweetened Flavored Milk Beverage Powder with Non-fat Dry Milk
N	Value	Description
485	Range	0 - 1.5 (median=0 mean=0.0 std=0.1)

N09A92		DML0400 Artificially Sweetened Flavored Milk Beverage Powder with Non-fat Dry Milk
N	Value	Description
485	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
485	Range	0 - 2 (median=0 mean=0.0 std=0.2)

N09A94		MSC1100 Artificially Sweetened Flavored Milk Beverage Powder without Non-fat Dry Milk
N	Value	Description
485	Range	0 - 1 (median=0 mean=0.0 std=0.0)

N09A95		DCF0100 Cheese - Full Fat
N	Value	Description
485	Range	0 - 7.484 (median=0 mean=0.4 std=0.8)

N09A96		DCR0100 Cheese - Reduced Fat
N	Value	Description
485	Range	0 - 3.81 (median=0 mean=0.2 std=0.5)

N09A97		DCL0100 Cheese - Low Fat and Fat Free
N	Value	Description
485	Range	0 - 1.125 (median=0 mean=0.0 std=0.1)

N09A98		DCN0100 Cheese - Nondairy
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

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N09A99		DYF0100 Yogurt - Sweetened Whole Milk
N	Value	Description
485	Range	0 - 0.694 (median=0 mean=0.0 std=0.0)

N09A100		DYR0100 Yogurt - Sweetened Low Fat
N	Value	Description
485	Range	0 - 1.389 (median=0 mean=0.0 std=0.2)

N09A101		DYL0100 Yogurt - Sweetened Fat Free
N	Value	Description
485	Range	0 - 0.926 (median=0 mean=0.0 std=0.0)

N09A102		DYF0200 Yogurt - Artificially Sweetened Whole Milk
N	Value	Description
485	Range	0 - 0.694 (median=0 mean=0.0 std=0.0)

N09A103		DYR0200 Yogurt - Artificially Sweetened Low Fat
N	Value	Description
485	Range	0 - 0.25 (median=0 mean=0.0 std=0.0)

N09A104		DYL0200 Yogurt - Artificially Sweetened Fat Free
N	Value	Description
485	Range	0 - 1 (median=0 mean=0.0 std=0.1)

N09A105		DYN0100 Yogurt - Nondairy
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A106		DOT0100 Frozen Dairy Dessert
N	Value	Description
485	Range	0 - 4 (median=0 mean=0.1 std=0.4)

N09A107		DOT0200 Frozen Nondairy Dessert
N	Value	Description
485	Range	0 - 0.881 (median=0 mean=0.0 std=0.1)

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N09A108		DOT0300 Pudding and Other Dairy Dessert
N	Value	Description
485	Range	0 - 1.689 (median=0 mean=0.0 std=0.1)

N09A109		DOT0400 Artificially Sweetened Pudding and Other Dairy Dessert
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A110		FCF0100 Cream
N	Value	Description
485	Range	0 - 3 (median=0 mean=0.1 std=0.3)

N09A111		FCR0100 Cream - Reduced Fat
N	Value	Description
485	Range	0 - 13.5 (median=0 mean=0.1 std=0.8)

N09A112		FCL0100 Cream - Low Fat and Fat Free
N	Value	Description
485	Range	0 - 2 (median=0 mean=0.0 std=0.1)

N09A113		FCN0100 Cream - Nondairy
N	Value	Description
485	Range	0 - 18 (median=0 mean=0.4 std=1.8)

N09A114		DOT0500 Dairy-based Sweetened Meal Replacement/Supplement
N	Value	Description
485	Range	0 - 3 (median=0 mean=0.0 std=0.2)

N09A115		DOT0600 Dairy-based Artificially Sweetened Meal Replacement/Supplement
N	Value	Description
485	Range	0 - 4 (median=0 mean=0.0 std=0.2)

N09A116		DOT0700 Infant Formula
N	Value	Description
485	Range	0 - 1.6 (median=0 mean=0.0 std=0.1)

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N09A117		DOT0800 Infant Formula - Nondairy
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A118		FMF0100 Margarine - Regular
N	Value	Description
485	Range	0 - 2.64 (median=0 mean=0.0 std=0.3)

N09A119		FMR0100 Margarine - Reduced Fat
N	Value	Description
485	Range	0 - 7.999 (median=0 mean=0.3 std=1.0)

N09A120		FOF0100 Oil
N	Value	Description
485	Range	0 - 20.484 (median=1.478 mean=2.3907 std=3.1183)

N09A121		FSF0100 Shortening
N	Value	Description
485	Range	0 - 7.5 (median=0 mean=0.2 std=0.7)

N09A122		FAF0100 Butter and Other Animal Fats - Regular
N	Value	Description
485	Range	0 - 21.583 (median=0 mean=0.6 std=2.1)

N09A123		FAR0100 Butter and Other Animal Fats - Reduced Fat
N	Value	Description
485	Range	0 - 1.636 (median=0 mean=0.0 std=0.1)

N09A124		FDF0100 Salad Dressing - Regular
N	Value	Description
485	Range	0 - 8.022 (median=0 mean=0.3 std=0.8)

N09A125		FDR0100 Salad Dressing - Reduced Fat/Reduced Calorie/Fat Free
N	Value	Description
485	Range	0 - 2.667 (median=0 mean=0.0 std=0.1)

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N09A126		SWT0400 Sugar
N	Value	Description
485	Range	0 - 34.698 (median=0.386 mean=2.6965 std=4.4778)

N09A127		MSC1200 Sugar Substitute
N	Value	Description
485	Range	0 - 24 (median=0 mean=0.3 std=1.7)

N09A128		SWT0500 Syrup, Honey, Jam, Jelly, Preserves
N	Value	Description
485	Range	0 - 3 (median=0 mean=0.1 std=0.4)

N09A129		SWT0700 Sauces, Sweet - Regular
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A130		SWT0800 Sauces, Sweet - Reduced Fat/Reduced Calorie/Fat Free
N	Value	Description
485	Range	0 - 0.75 (median=0 mean=0.0 std=0.0)

N09A131		SWT0100 Chocolate Candy
N	Value	Description
485	Range	0 - 3.307 (median=0 mean=0.1 std=0.3)

N09A132		SWT0200 Non-chocolate Candy
N	Value	Description
485	Range	0 - 3.933 (median=0 mean=0.0 std=0.3)

N09A133		SWT0300 Frosting or Glaze
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A134		BVS0400 Sweetened Soft Drinks
N	Value	Description
485	Range	0 - 12 (median=0 mean=0.8 std=1.5)

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N09A135		BVA0400 Artificially Sweetened Soft Drinks
N	Value	Description
485	Range	0 - 5 (median=0 mean=0.1 std=0.4)

N09A136		BVU0300 Unsweetened Soft Drinks
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A137		BVS0300 Sweetened Fruit Drinks
N	Value	Description
485	Range	0 - 8 (median=0 mean=0.3 std=0.9)

N09A138		BVA0300 Artificially Sweetened Fruit Drinks
N	Value	Description
485	Range	0 - 14 (median=0 mean=0.1 std=0.7)

N09A139		BVS0500 Sweetened Tea
N	Value	Description
485	Range	0 - 8 (median=0 mean=0.2 std=0.7)

N09A140		BVA0500 Artificially Sweetened Tea
N	Value	Description
485	Range	0 - 5 (median=0 mean=0.0 std=0.4)

N09A141		BVU0400 Unsweetened Tea
N	Value	Description
485	Range	0 - 8 (median=0 mean=0.2 std=0.8)

N09A142		BVS0100 Sweetened Coffee
N	Value	Description
485	Range	0 - 1.875 (median=0 mean=0.0 std=0.2)

N09A143		BVA0100 Artificially Sweetened Coffee
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

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<i>N09A144</i>		<i>BVU0100 Unsweetened Coffee</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
485	Range	0 - 9 (median=0 mean=0.6 std=1.1)

<i>N09A145</i>		<i>BVS0200 Sweetened Coffee Substitutes</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

<i>N09A146</i>		<i>BVA0200 Artificially Sweetened Coffee Substitutes</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

<i>N09A147</i>		<i>BVU0200 Unsweetened Coffee Substitutes</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
485	Range	0 - 0.313 (median=0 mean=0.0 std=0.0)

<i>N09A148</i>		<i>BVS0600 Sweetened Water</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

<i>N09A149</i>		<i>BVA0600 Artificially Sweetened Water</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

<i>N09A150</i>		<i>BVU0500 Unsweetened Water</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
485	Range	0 - 29.575 (median=3.625 mean=4.5010 std=3.8971)

<i>N09A151</i>		<i>BVS0700 Nondairy-based Sweetened Meal Replacement/Supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
485	Range	0 - 12 (median=0 mean=0.1 std=0.7)

<i>N09A152</i>		<i>BVA0700 Nondairy-based Artificially Sweetened Meal Replacement/Supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
485	Range	0 - 3.05 (median=0 mean=0.0 std=0.2)

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

Section A: NDSR Dietary Intake

N09A153		BVU0600 Nondairy-based Unsweetened Meal Replacement/Supplement
N	Value	Description
485	Range	0 - 2.567 (median=0 mean=0.0 std=0.2)

N09A154		BVO0100 Non-alcoholic Beer
N	Value	Description
485	Range	0 - 1 (median=0 mean=0.0 std=0.0)

N09A155		BVO0200 Non-alcoholic Light Beer
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A156		BVE0100 Beer and Ales
N	Value	Description
485	Range	0 - 9.667 (median=0 mean=0.1 std=0.7)

N09A157		BVE0400 Cordial and Liqueur
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A158		BVE0300 Distilled Liquor
N	Value	Description
485	Range	0 - 4.265 (median=0 mean=0.0 std=0.3)

N09A159		BVE0200 Wine
N	Value	Description
485	Range	0 - 2.663 (median=0 mean=0.0 std=0.2)

N09A160		MSC0100 Gravy - Regular
N	Value	Description
485	Range	0 - 2.5 (median=0 mean=0.0 std=0.2)

N09A161		MSC0200 Gravy - Reduced Fat/Fat Free
N	Value	Description
485	Range	0 - 0.5 (median=0 mean=0.0 std=0.0)

SOLNAS Main 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
485	Range	0 - 4.5 (median=0 mean=0.0 std=0.3)

N09A163		MSC0400 Sauces and Condiments - Reduced Fat
N	Value	Description
485	Range	0 - 10.502 (median=0 mean=0.4 std=1.1)

N09A164		MSC0500 Pickled Foods
N	Value	Description
485	Range	0 - 6.007 (median=0 mean=0.1 std=0.4)

N09A165		MSC0600 Miscellaneous Dessert
N	Value	Description
485	Range	0 - 4.552 (median=0 mean=0.0 std=0.3)

N09A166		MSC0700 Non-grain Flour and Similar
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A167		MSC0800 Soup Broth
N	Value	Description
485	Range	0 - 8.75 (median=0 mean=0.2 std=0.6)

N09A168		MSC0900 Baby Food Dessert
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A169		MSC1000 Miscellaneous Baby Food Mixtures
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

N09A170		GRW1300 Baby Food Grain Mixtures - Whole Grain
N	Value	Description
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

SOLNAS Main 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
485	Range	0 - 0 (median=0 mean=0.0 std=0.0)

SOLNAS_VISIT		SOLNAS study visits: 1,2,3 or 4
N	Value	Description
485	1	visit 1

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
485	M	Main Studies

SOLNAS Main 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</i> = Site use book ID
<i>N</i>	<i>Value</i>	<i>Description</i>
119	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</i> = Process Date
<i>N</i>	<i>Value</i>	<i>Description</i>
118	Range	09/07/2000 - 07/12/2111
1		Missing

NFQA4		<i>rigrms_f</i> = Total Grams_food
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	768.78959438 - 11487.708616 (median=3397.7505493 mean=3595.36179141 std=1722.24558533)

NFQA5		<i>rikcal_f</i> = Energy_food
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	498.07918769 - 7222.0514962 (median=2210.7254627 mean=2690.14780534 std=1554.84989716)

NFQA6		<i>rifat_f</i> = Total Fat_food
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	8.3647760184 - 325.00000259 (median=93.397821971 mean=116.3767655146 std=71.1100085110)

NFQA7		<i>ritcho_f</i> = Total Carbohydrate_food
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	83.375736869 - 1169.3121336 (median=245.99421779 mean=305.897999631 std=186.034555840)

NFQA8		<i>ripro_f</i> = Total Protein_food
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	8.145169487 - 244.84613814 (median=75.393284616 mean=92.9435196642 std=53.3250764574)

SOLNAS Main Study Code Book (INV version 2.0), Chapter 4 Section A

Section A: Multi Diet FFQ

NFQA9		<i>riapro_f = Animal Protein_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	5.7762079424 - 184.34853479 (median=51.034413692 mean=64.1887007373 std=41.0932705176)

NFQA10		<i>rivpro_f = Vegetable Protein_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	2.3688786671 - 88.004302815 (median=24.480105651 mean=28.7552498910 std=15.8713097349)

NFQA11		<i>rialc_f = Alcohol_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0 - 261.06188949 (median=3.9959000256 mean=12.18440193419 std=28.15694166977)

NFQA12		<i>richol_f = Cholesterol_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	34.301275946 - 3100.9055974 (median=358.55806416 mean=495.781976315 std=434.165153142)

NFQA13		<i>risfa_f = Total Saturated Fatty Acids (SFA)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	2.9929510149 - 110.27594246 (median=31.608244013 mean=39.8219896613 std=25.5988639996)

NFQA14		<i>rimfa_f = Total Monounsaturated Fatty Acids (MUFA)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	2.8189290031 - 140.80621061 (median=34.134120627 mean=41.1869741506 std=25.7385303041)

NFQA15		<i>ripfa_f = Total Polyunsaturated Fatty Acids (PUFA)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	1.8789765952 - 95.685727445 (median=21.296280119 mean=26.5067128682 std=17.0092152535)

NFQA16		<i>rifruc_f = Fructose_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	4.8885656175 - 163.72759369 (median=22.555469966 mean=30.2464657410 std=27.5077247357)

NFQA17		<i>rigala_f = Galactose_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.0214440229 - 7.7435649687 (median=0.39930629 mean=0.891778705 std=1.374253935)

SOLNAS Main 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>
119	Range	5.4521163482 - 163.03610973 (median=23.452156219 mean=32.8696690319 std=27.4947025641)

NFQA19		<i>rilact_f = Lactose_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.9597832118 - 109.85525576 (median=12.07052179 mean=16.511353276 std=15.434355237)

NFQA20		<i>rimalt_f = Maltose_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.3930552495 - 14.078182307 (median=2.4060668477 mean=3.10364970944 std=2.32263098486)

NFQA21		<i>risucr_f = Sucrose_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	9.1340856228 - 425.91177565 (median=47.146265988 mean=64.5435753762 std=57.7248248293)

NFQA22		<i>ristar_f = Starch_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	9.0918290866 - 355.8723033 (median=101.04004464 mean=116.172845731 std=69.336461718)

NFQA23		<i>ridfib_f = Total Dietary Fiber_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	2.4869944976 - 69.080577693 (median=16.501596755 mean=19.4808836757 std=10.9381947972)

NFQA24		<i>riwsdf_f = Soluble Dietary Fiber_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.7599868863 - 18.945147393 (median=5.4550298185 mean=6.13699802336 std=3.31490732607)

NFQA25		<i>riifib_f = Insoluble Dietary Fiber_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	1.4384369529 - 55.474971442 (median=10.570768518 mean=12.9590548249 std=7.9985011743)

NFQA26		<i>ripect_f = Pectins_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.1664699001 - 5.3517196539 (median=1.7528204097 mean=1.99613714602 std=1.05843413802)

SOLNAS Main 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
119	Range	981.65332105 - 19523.389419 (median=5818.0079025 mean=6775.79867874 std=3889.74119652)

NFQA28		<i>ribceq_f = Beta-Carotene Equivalents (derived from provitamin A carotenoids)_food</i>
N	Value	Description
119	Range	162.30837874 - 7991.3414669 (median=2095.3009491 mean=2490.72360922 std=1643.11151465)

NFQA29		<i>rirl_f = Retinol_food</i>
N	Value	Description
119	Range	101.92520167 - 4153.2400612 (median=653.00232639 mean=787.395002935 std=552.210319279)

NFQA30		<i>rivd_f = Vitamin D (calciferol)_food</i>
N	Value	Description
119	Range	0.5192859402 - 22.302697724 (median=4.1042681273 mean=5.20510403841 std=3.74798358101)

NFQA31		<i>rittc_f = Total Alpha-Tocopherol Equivalents_food</i>
N	Value	Description
119	Range	2.4448182287 - 45.041012434 (median=13.630814547 mean=15.4750515075 std=9.1343143291)

NFQA32		<i>riatc_f = Vitamin E (Total Alpha-Tocopherol)_food</i>
N	Value	Description
119	Range	1.5260277017 - 37.661200966 (median=10.263055363 mean=11.6789765597 std=6.8756865463)

NFQA33		<i>ribtc_f = Beta-Tocopherol_food</i>
N	Value	Description
119	Range	0.0342019059 - 2.6634252916 (median=0.5265986093 mean=0.63656497063 std=0.47386536295)

NFQA34		<i>rigtc_f = Gamma-Tocopherol_food</i>
N	Value	Description
119	Range	1.2825932507 - 78.716257069 (median=18.699698741 mean=22.2982750875 std=14.4646839370)

NFQA35		<i>ridtc_f = Delta-Tocopherol_food</i>
N	Value	Description
119	Range	0.3753906143 - 20.471854427 (median=4.2701320193 mean=5.29460629956 std=3.63886333340)

SOLNAS Main Study Code Book (INV version 2.0), Chapter 4 Section A

Section A: Multi Diet FFQ

NFQA36		<i>rivk_f = Vitamin K (phylloquinone)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	7.3429374321 - 232.78301412 (median=73.810044429 mean=87.9241150390 std=48.7744646397)

NFQA37		<i>rivc_f = Vitamin C (ascorbic acid)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	14.794069805 - 751.8462851 (median=86.025265595 mean=114.7712447697 std=97.0483600764)

NFQA38		<i>rithi_f = Thiamin (vitamin B1)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.1950921052 - 5.3468554659 (median=1.6162688639 mean=1.88705045693 std=1.08883032259)

NFQA39		<i>ririb_f = Riboflavin (vitamin B2)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.268882751 - 12.259629992 (median=2.1040713511 mean=2.58974815608 std=1.68019158249)

NFQA40		<i>rinia_f = Niacin (vitamin B3)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	2.2829498622 - 135.47171065 (median=20.017154296 mean=24.6297388569 std=16.1222674374)

NFQA41		<i>ripant_f = Pantothenic Acid_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.8447220302 - 35.001961858 (median=6.072220175 mean=6.9010039368 std=4.4228580581)

NFQA42		<i>rivb6_f = Vitamin B-6 (pyridoxine, pyridoxyl, & pyridoxamine)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.2477658871 - 25.079896368 (median=1.8356965993 mean=2.48553699226 std=2.57297856541)

NFQA43		<i>rifol_f = Total Folate_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	47.602185477 - 1550.7329058 (median=375.31976477 mean=442.667775549 std=248.453659947)

NFQA44		<i>rivb12_f = Vitamin B-12 (cobalamin)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.8294316909 - 35.204069941 (median=5.8180146992 mean=7.36986627075 std=5.00281922347)

SOLNAS Main 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>
119	Range	135.99799549 - 4416.1365246 (median=886.96787166 mean=1131.429571253 std=738.974904645)

NFQA46		<i>rip_f = Phosphorus_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	151.94188993 - 4190.7734457 (median=1181.5772797 mean=1530.75979785 std=927.64526760)

NFQA47		<i>rimg_f = Magnesium_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	46.281037616 - 907.87235327 (median=278.94579045 mean=322.646803787 std=166.896637677)

NFQA48		<i>rife_f = Iron_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	1.761386985 - 45.172614025 (median=13.611727391 mean=16.2088835129 std=8.6717668779)

NFQA49		<i>rizn_f = Zinc_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	1.3513628779 - 43.075471148 (median=11.400337816 mean=14.0918903075 std=8.2877086820)

NFQA50		<i>ricu_f = Copper_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.1881013838 - 4.2116529371 (median=1.1983232248 mean=1.48498434974 std=0.79356682343)

NFQA51		<i>rise_f = Selenium_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	11.71098381 - 395.31927699 (median=115.31686644 mean=144.945310783 std=86.343759904)

NFQA52		<i>rina_f = Sodium_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	433.50136575 - 14510.156139 (median=4689.3229975 mean=5405.16398064 std=3119.14868577)

NFQA53		<i>rik_f = Potassium_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	508.71320503 - 9575.325264 (median=2394.6886152 mean=2887.23835123 std=1494.17449498)

SOLNAS Main 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
119	Range	0.0935286837 - 3.2149802994 (median=0.9611595212 mean=1.13246450702 std=0.79880378349)

NFQA55		ris06_0_f= SFA 6:0 (caproic acid)_food
N	Value	Description
119	Range	0.049419351 - 1.92768881 (median=0.5249046282 mean=0.62323641021 std=0.43497660642)

NFQA56		ris08_0_f= SFA 8:0 (caprylic acid)_food
N	Value	Description
119	Range	0.0325436892 - 1.4594536453 (median=0.3808789511 mean=0.45852856550 std=0.31810011370)

NFQA57		ris10_0_f= SFA 10:0 (capric acid)_food
N	Value	Description
119	Range	0.0718033325 - 2.9039150725 (median=0.7686203111 mean=0.92944791075 std=0.64984517712)

NFQA58		ris12_0_f= SFA 12:0 (lauric acid)_food
N	Value	Description
119	Range	0.0716548153 - 3.3428503433 (median=0.9660900232 mean=1.16016659382 std=0.80297651267)

NFQA59		ris14_0_f= SFA 14:0 (myristic acid)_food
N	Value	Description
119	Range	0.3070596933 - 11.606597909 (median=2.9927635395 mean=3.77021634005 std=2.65750502517)

NFQA60		ris16_0_f= SFA 16:0 (palmitic acid)_food
N	Value	Description
119	Range	1.5943735251 - 59.1123893 (median=17.00961557 mean=21.120183151 std=13.407337400)

NFQA61		ris17_0_f= SFA 17:0 (margaric acid)_food
N	Value	Description
119	Range	0.0062215494 - 0.4953016301 (median=0.1376270195 mean=0.15538018614 std=0.10150170413)

NFQA62		ris18_0_f= SFA 18:0 (stearic acid)_food
N	Value	Description
119	Range	0.6914078238 - 27.257672547 (median=7.618424255 mean=9.6033121910 std=6.2335177243)

SOLNAS Main 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>
119	Range	0.0083068216 - 0.683956729 (median=0.1424348439 mean=0.17551084973 std=0.12686367927)

NFQA64		<i>ris22_0_f= SFA 22:0 (behenic acid)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.003807271 - 0.349557811 (median=0.0586475599 mean=0.08490143429 std=0.08093628725)

NFQA65		<i>rim14_1_f= MUFA 14:1 (myristoleic acid)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.0043601834 - 0.2929297295 (median=0.0511222089 mean=0.07549945413 std=0.06007518113)

NFQA66		<i>rim16_1_f= MUFA 16:1 (palmitoleic acid)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.1472813815 - 5.9862267562 (median=1.3785381239 mean=1.76116433701 std=1.25377719128)

NFQA67		<i>rim18_1_f= MUFA 18:1 (oleic acid)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	2.5655952058 - 133.56575887 (median=30.908432135 mean=38.3540896823 std=23.9970811986)

NFQA68		<i>rim20_1_f= MUFA 20:1 (gadoleic acid)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.0132535293 - 0.8744786823 (median=0.2012456331 mean=0.25084635304 std=0.17465920874)

NFQA69		<i>rim22_1_f= MUFA 22:1 (erucic acid)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.0011933904 - 0.2754178476 (median=0.0136628561 mean=0.02242642391 std=0.02922763989)

NFQA70		<i>rip18_2_f= PUFA 18:2 (linoleic acid)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	1.6729852944 - 87.425263648 (median=19.337280313 mean=23.8415695337 std=15.4051579877)

NFQA71		<i>rip18_3_f= PUFA 18:3 (linolenic acid)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.1587440292 - 7.6559952772 (median=1.6512016714 mean=2.16861743235 std=1.54444140417)

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NFQA72		<i>rip18_4_f= PUFA 18:4 (parinaric acid)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.0000732055 - 0.0303779633 (median=0.0021138766 mean=0.00379133588 std=0.00496742465)

NFQA73		<i>rip20_4_f= PUFA 20:4 (arachidonic acid)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.0144409628 - 1.0545339966 (median=0.1324682672 mean=0.18504274558 std=0.14878794230)

NFQA74		<i>rip20_5_f= PUFA 20:5 (eicosapentaenoic acid [EPA])_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.0031260361 - 0.2239384236 (median=0.0313200583 mean=0.04272686256 std=0.03900760057)

NFQA75		<i>rip22_5_f= PUFA 22:5 (docosapentaenoic acid [DPA])_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.0011391731 - 0.0604905933 (median=0.0128680942 mean=0.01592295424 std=0.01131786668)

NFQA76		<i>rip22_6_f= PUFA 22:6 (docosahexaenoic acid [DHA])_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.0087189917 - 0.3392436899 (median=0.0704953987 mean=0.09159105130 std=0.07138599359)

NFQA77		<i>ritryp_f = Tryptophan_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.0899792607 - 2.8811300811 (median=0.876529848 mean=1.0857104143 std=0.6519415092)

NFQA78		<i>rithre_f = Threonine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.3029700384 - 9.6255950602 (median=2.839666001 mean=3.5150899917 std=2.0676876025)

NFQA79		<i>riisol_f = Isoleucine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.3697861201 - 11.307118624 (median=3.544749346 mean=4.2631979614 std=2.5204556292)

NFQA80		<i>rileuc_f = Leucine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.618622172 - 19.466303724 (median=6.0861521762 mean=7.31351511853 std=4.31341024945)

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NFQA81		<i>rilysi_f = Lysine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.5523181736 - 16.947057455 (median=5.0120690879 mean=6.12780703916 std=3.60433921460)

NFQA82		<i>rimeth_f = Methionine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.1809101487 - 5.783079193 (median=1.7513021099 mean=2.10441110852 std=1.26017509894)

NFQA83		<i>ricyst_f = Cystine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.1110564241 - 3.4754127012 (median=1.0899902067 mean=1.33708310182 std=0.77521939909)

NFQA84		<i>riphen_f = Phenylalanine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.3469291821 - 11.079116319 (median=3.3910192081 mean=4.19485191510 std=2.46443436808)

NFQA85		<i>rityro_f = Tyrosine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.2764329528 - 8.8693371459 (median=2.7081557577 mean=3.26032900795 std=1.97981676167)

NFQA86		<i>rivali_f = Valine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.4156081264 - 12.768122147 (median=4.0132902622 mean=4.85205050400 std=2.86610812574)

NFQA87		<i>riargi_f = Arginine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.4348719179 - 13.068344372 (median=3.9181949815 mean=4.83905970793 std=2.68175915821)

NFQA88		<i>rihist_f = Histidine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.2151634995 - 7.0632660187 (median=2.0342132018 mean=2.50497045180 std=1.49004575099)

NFQA89		<i>rialan_f = Alanine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.3880789632 - 11.70479255 (median=3.478057833 mean=4.2625314271 std=2.4189278476)

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NFQA90		<i>riaspa_f = Aspartic Acid_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.720140444 - 20.536479321 (median=6.4530558941 mean=7.85310029020 std=4.35043014648)

NFQA91		<i>riglut_f = Glutamic Acid_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	1.4833805546 - 49.593536635 (median=14.55829879 mean=18.047839752 std=10.843787097)

NFQA92		<i>riglyc_f = Glycine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.3300396242 - 10.213256701 (median=2.9762804958 mean=3.65522708515 std=2.05138889199)

NFQA93		<i>riprol_f = Proline_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.5408705554 - 17.93970454 (median=5.1357379223 mean=6.40850223274 std=4.01587572723)

NFQA94		<i>riseri_f = Serine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.3616265846 - 11.34804991 (median=3.5631391268 mean=4.37280558348 std=2.61149722527)

NFQA95		<i>riaspt_f = Aspartame_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0 - 473.71205415 (median=0 mean=9.0 std=47.5)

NFQA96		<i>ricaf_f = Caffeine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.7149654795 - 854.46409453 (median=64.910389198 mean=122.1265784060 std=158.4023196131)

NFQA97		<i>riphyt_f = Phytic Acid_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	39.092426124 - 3117.2273735 (median=605.64204082 mean=704.830629276 std=487.105301293)

NFQA98		<i>rioxal_f = Oxalic Acid_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	12.268558259 - 613.51424154 (median=140.42225245 mean=170.469582795 std=101.556037742)

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NFQA99		<i>rimh3_f = 3-Methylhistidine_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	1.4860554353 - 54.484687346 (median=13.170861726 mean=15.5369925493 std=10.2532495047)

NFQA100		<i>risp_f = Sucrose Polyester_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0 - 2.2367450959 (median=0 mean=0.0 std=0.2)

NFQA101		<i>riash_f = Ash_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	2.4121487353 - 60.511473222 (median=21.747537016 mean=25.2994089163 std=12.9734877742)

NFQA102		<i>riw_f = Water_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	582.40960186 - 9912.9480698 (median=2953.8471043 mean=3060.79150997 std=1487.71639242)

NFQA103		<i>ripctfat_f = % Calories from Fat_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	41.985961278 - 1298.7074505 (median=398.44308286 mean=504.610813005 std=292.916491891)

NFQA104		<i>ripctcho_f = % Calories from Carbohydrate_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	376.76318362 - 7019.7115789 (median=1207.2908694 mean=1552.03724885 std=1034.50036150)

NFQA105		<i>ripctpro_f = % Calories from Protein_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	28.010606221 - 1164.5275264 (median=341.28774996 mean=378.868791566 std=218.418981128)

NFQA106		<i>ripctalc_f = % Calories from Alcohol_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0 - 1601.4454229 (median=64.581460192 mean=139.3222193681 std=246.7115520673)

NFQA107		<i>ripctsa_f = % Calories from SFA_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	15.447976221 - 572.90980949 (median=134.89476935 mean=171.614101893 std=112.817786019)

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NFQA108		<i>ripctmfa_f = % Calories from MUFA_food</i>
N	Value	Description
119	Range	13.636357186 - 493.70678128 (median=152.55109549 mean=188.433862565 std=108.357980736)

NFQA109		<i>ripctpfa_f = % Calories from PUFA_food</i>
N	Value	Description
119	Range	8.750407683 - 275.71898315 (median=88.289547724 mean=103.5159107816 std=57.9490245085)

NFQA110		<i>rips_f = Polyunsaturated to Saturated Fat Ratio_food</i>
N	Value	Description
119	Range	6.1207504274 - 97.528637614 (median=23.403646607 mean=27.1436473027 std=15.3423604316)

NFQA111		<i>ricsi_f = Cholesterol to Saturated Fatty Acid Index_food</i>
N	Value	Description
119	Range	4.7376712489 - 244.39394695 (median=49.603979611 mean=65.0099105383 std=44.9004298418)

NFQA112		<i>rivare_f = Total Vitamin A Activity (Retinol Equivalents)_food</i>
N	Value	Description
119	Range	166.13611665 - 4720.0598447 (median=1029.5900833 mean=1202.51531795 std=712.10551299)

NFQA113		<i>rif181t_f= TRANS 18:1 (trans-octadecenoic acid [elaidic acid])_food</i>
N	Value	Description
119	Range	0.2684626882 - 15.551552743 (median=3.2828694623 mean=4.03818035629 std=2.78866120305)

NFQA114		<i>rif182t_f= TRANS 18:2 (trans-octadecadienoic acid [linolelaidic acid]; incl. c-t, t-c, t-t)_food</i>
N	Value	Description
119	Range	0.0419035062 - 2.2955516147 (median=0.5704902255 mean=0.70346292881 std=0.49022350667)

NFQA115		<i>rif161t_f= TRANS 16:1 (trans-hexadecenoic acid)_food</i>
N	Value	Description
119	Range	0.0067023383 - 0.2454482049 (median=0.0476970284 mean=0.06460192328 std=0.05475165727)

NFQA116		<i>ritffa_f = Total Trans-Fatty Acids (TRANS)_food</i>
N	Value	Description
119	Range	0.3230269694 - 18.154787219 (median=3.9449687047 mean=4.88395021861 std=3.32535840035)

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NFQA117		<i>ribcar_f = Beta-Carotene (provitamin A carotenoid)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	151.62106738 - 6968.7487876 (median=1894.3506979 mean=2223.76562190 std=1496.21609130)

NFQA118		<i>riacar_f = Alpha-Carotene (provitamin A carotenoid)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	9.2129739707 - 1683.5761467 (median=246.0375909 mean=336.07060918 std=309.45382496)

NFQA119		<i>ribcry_f = Beta-Cryptoxanthin (provitamin A carotenoid)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	12.161639753 - 1466.1425286 (median=120.91883381 mean=197.845949868 std=263.519977006)

NFQA120		<i>rilz_f = Lutein + Zeaxanthin_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	122.08595996 - 3775.7089924 (median=1065.0752427 mean=1231.89536219 std=760.74667464)

NFQA121		<i>rilyco_f = Lycopene_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	554.90011029 - 39002.386661 (median=4906.5488383 mean=7500.67700476 std=6727.79410719)

NFQA122		<i>ridfe_f = Dietary Folate Equivalents_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	56.534245057 - 2323.7007808 (median=488.18927484 mean=573.086949622 std=344.833001517)

NFQA123		<i>rinfol_f = Natural Folate_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	34.867009801 - 633.36518933 (median=219.35643402 mean=256.456715844 std=131.247208921)

NFQA124		<i>risfol_f = Synthetic Folate_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	12.746147783 - 1104.0901279 (median=143.43104605 mean=186.245606288 std=147.823862025)

NFQA125		<i>rivarae_f = Total Vitamin A Activity (Retinol Activity Equivalents)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	134.03049385 - 4436.6512089 (median=843.59450956 mean=994.955589279 std=622.307775642)

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NFQA126		<i>rikj_f = Energy (kilojoules)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	2083.9589134 - 30217.070362 (median=9249.6713462 mean=11255.57651554 std=6505.49216001)

NFQA127		<i>riniaeq_f= Niacin Equivalents_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	3.7852855785 - 173.00883404 (median=34.678425661 mean=42.7222834594 std=25.1375480437)

NFQA128		<i>ritsugar_f= Total Sugars_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	24.868483762 - 869.15109392 (median=114.16898999 mean=148.167899693 std=119.048437183)

NFQA129		<i>riomega3_f= Omega-3 Fatty Acids_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.1757790125 - 7.77755832 (median=1.777420643 mean=2.3225730592 std=1.5949228224)

NFQA130		<i>rimn_f = Manganese_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.5364847307 - 16.2148856 (median=3.179109623 mean=3.7171203459 std=2.3642677841)

NFQA131		<i>rivite_f = Vitamin E (International Units)_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	2.7276747918 - 56.491957365 (median=15.866533904 mean=18.1533964921 std=10.7739455735)

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>
119	Range	0.8934729181 - 37.243526075 (median=9.0714082275 mean=10.64929196595 std=6.47823008724)

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>
119	Range	0 - 20.066476278 (median=0.8302979338 mean=2.28846058112 std=3.94737046538)

NFQA134		<i>ridaid_f = Daidzein_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.0389338841 - 13.408479702 (median=0.3468200215 mean=0.73738579420 std=1.70616498217)

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NFQA135		<i>rigeni_f = Genistein_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.0490611052 - 17.738645062 (median=0.4230956684 mean=0.92029131535 std=2.27160261656)

NFQA136		<i>riglyt_f = Glycitein_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.0055907577 - 1.6851712052 (median=0.0441045861 mean=0.10164132919 std=0.21835991402)

NFQA137		<i>ricoum_f = Coumestrol_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.002834088 - 2.160037874 (median=0.0973148538 mean=0.17091150926 std=0.29670901312)

NFQA138		<i>ribioa_f = Biochanin A_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.0001354826 - 0.2342475719 (median=0.0274541382 mean=0.04138862303 std=0.04422845939)

NFQA139		<i>riformon_f= Formononetin_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.0000175934 - 0.007037939 (median=0.000968422 mean=0.0014231005 std=0.0013161281)

NFQA140		<i>riasugar_f= Added Sugars_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	12.953774275 - 636.36054554 (median=78.84167363 mean=103.428870410 std=96.436523104)

NFQA141		<i>riacesk_f = Acesulfame Potassium_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0 - 155.44082065 (median=0 mean=1.8 std=14.4)

NFQA142		<i>risucl_f = Sucralose_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0 - 196.00148926 (median=0 mean=2.3 std=18.4)

NFQA143		<i>riacho_f = Available Carbohydrate_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	74.709760601 - 1130.308097 (median=227.14672981 mean=286.173473747 std=178.156058001)

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NFQA144		<i>rigig_f = Glycemic Index (glucose reference)_food</i>
N	Value	Description
119	Range	278.71149087 - 4914.3040162 (median=898.85316162 mean=1143.040782912 std=812.370124818)

NFQA145		<i>rigib_f = Glycemic Index (bread reference)_food</i>
N	Value	Description
119	Range	398.46250932 - 7024.6162228 (median=1285.0953897 mean=1633.82028923 std=1161.07961714)

NFQA146		<i>riglg_f = Glycemic Load (glucose reference)_food</i>
N	Value	Description
119	Range	45.24049369 - 662.91308758 (median=134.8588987 mean=167.58717897 std=107.76317885)

NFQA147		<i>riglb_f = Glycemic Load (bread reference)_food</i>
N	Value	Description
119	Range	64.683053237 - 947.53993839 (median=192.75675407 mean=239.543015395 std=154.018767371)

NFQA148		<i>richoline_f= Choline_food</i>
N	Value	Description
119	Range	42.656794744 - 1827.355557 (median=344.18846449 mean=436.653119887 std=288.495039862)

NFQA149		<i>ribetaine_f= Betaine_food</i>
N	Value	Description
119	Range	9.4259556471 - 929.21306777 (median=126.97633325 mean=162.667261887 std=124.977675125)

NFQA150		<i>rieryth_f = Erythritol_food</i>
N	Value	Description
119	Range	5.4857E-6 - 0.0033524004 (median=0.0003927227 mean=0.00057167313 std=0.00059457155)

NFQA151		<i>riinos_f = Inositol_food</i>
N	Value	Description
119	Range	0.0040796107 - 1.3876640367 (median=0.0980122002 mean=0.18048119590 std=0.26479386442)

NFQA152		<i>rilactl_f = Lactitol_food</i>
N	Value	Description
119	Range	0 - 0.0278235616 (median=0 mean=0.0 std=0.0)

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NFQA153		<i>rimaltitol_f= Maltitol_food</i>
N	Value	Description
119	Range	0 - 0.0663178082 (median=0 mean=0.0 std=0.0)

NFQA154		<i>rimani_f= Mannitol_food</i>
N	Value	Description
119	Range	0.0128231703 - 0.6863463637 (median=0.1601531169 mean=0.19882372427 std=0.13730320379)

NFQA155		<i>ripini_f= Pinitol_food</i>
N	Value	Description
119	Range	0 - 0.0196567823 (median=0.0025107937 mean=0.00373092810 std=0.00394804618)

NFQA156		<i>risorb_f= Sorbitol_food</i>
N	Value	Description
119	Range	0.0047024846 - 3.4087142568 (median=0.2323705148 mean=0.37203070515 std=0.50648341999)

NFQA157		<i>rixyli_f= Xylitol_food</i>
N	Value	Description
119	Range	0.0007060094 - 1.1465013083 (median=0.008262946 mean=0.0196528021 std=0.1044944486)

NFQA158		<i>rinitrogen_f= Nitrogen_food</i>
N	Value	Description
119	Range	1.3117417169 - 39.630350194 (median=12.06897516 mean=15.024811197 std=8.598022838)

NFQA159		<i>ricla_total_f=Total Conjugated Linoleic Acid (CLA 18:2)_food</i>
N	Value	Description
119	Range	0.0182362326 - 0.7944831811 (median=0.2003089416 mean=0.24278999949 std=0.16580951633)

NFQA160		<i>ricla_c9t11_f= CLA cis-9, trans-11_food</i>
N	Value	Description
119	Range	0.015241862 - 0.6640673873 (median=0.1674037729 mean=0.20237029281 std=0.13951390035)

NFQA161		<i>ricla_t10c12_f= CLA trans-10, cis-12_food</i>
N	Value	Description
119	Range	0.0028808425 - 0.1250038977 (median=0.031908495 mean=0.0388229446 std=0.0259412821)

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NFQA162		<i>ritag_f = Tagatose_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	Range	0.0238297644 - 36.197027874 (median=1.2233288836 mean=2.55137530195 std=4.11020155740)

NFQA163		<i>risacc_f = Saccharin_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	Range	0 - 0 (median=0 mean=0.0 std=)
118		Missing

NFQA164		<i>riisom_f = Isomalt_food</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1	Range	0 - 0 (median=0 mean=0.0 std=)
118		Missing

NFQA165		<i>rigrs_s = Total Grams_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0.6575342466 - 46.5 (median=1.2 mean=8.01 std=13.45)
87		Missing

NFQA166		<i>rikcal_s = Energy_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA167		<i>rifat_s = Total Fat_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 1 (median=0 mean=0.1 std=0.3)
53		Missing

NFQA168		<i>ritcho_s = Total Carbohydrate_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

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NFQA169		<i>ripro_s = Total Protein_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 1 (median=0 mean=0.1 std=0.3)
53		Missing

NFQA170		<i>riapro_s = Animal Protein_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA171		<i>rivpro_s = Vegetable Protein_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA172		<i>rialc_s = Alcohol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA173		<i>richol_s = Cholesterol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 5 (median=0 mean=0.6 std=1.5)
53		Missing

NFQA174		<i>risfa_s = Total Saturated Fatty Acids (SFA)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 0.25 (median=0 mean=0.0 std=0.1)
53		Missing

NFQA175		<i>rimfa_s = Total Monounsaturated Fatty Acids (MUFA)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

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NFQA176		<i>ripfa_s = Total Polyunsaturated Fatty Acids (PUFA)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA177		<i>rifruc_s = Fructose_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA178		<i>rigala_s = Galactose_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA179		<i>rigluc_s = Glucose_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA180		<i>rilact_s = Lactose_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA181		<i>rimalt_s = Maltose_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA182		<i>risucr_s = Sucrose_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

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NFQA183		<i>ristar_s = Starch_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA184		<i>ridfib_s = Total Dietary Fiber_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA185		<i>riwsdf_s = Soluble Dietary Fiber_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA186		<i>riifib_s = Insoluble Dietary Fiber_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA187		<i>ripect_s = Pectins_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA188		<i>riva_s = Total Vitamin A Activity (International Units)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 13000 (median=98.630136986 mean=1725.7368202570 std=2879.0039997866)
53		Missing

NFQA189		<i>ribceq_s = Beta-Carotene Equivalents (derived from provitamin A carotenoids)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

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NFQA190		<i>rirl_s = Retinol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 0 (median=0 mean=0.0 std=0.0)
53		Missing

NFQA191		<i>rivd_s = Vitamin D (calciferol)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 20 (median=0.6575342466 mean=5.48235782481 std=6.52208698448)
53		Missing

NFQA192		<i>rittc_s = Total Alpha-Tocopherol Equivalents_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA193		<i>riatc_s = Vitamin E (Total Alpha-Tocopherol)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 0 (median=0 mean=0.0 std=0.0)
53		Missing

NFQA194		<i>ribtc_s = Beta-Tocopherol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA195		<i>rigtc_s = Gamma-Tocopherol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA196		<i>ridtc_s = Delta-Tocopherol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

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NFQA197		<i>rivk_s = Vitamin K (phylloquinone)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 0.9863013699 (median=0 mean=0.1 std=0.2)
53		Missing

NFQA198		<i>rivc_s = Vitamin C (ascorbic acid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 625 (median=22.520547945 mean=92.0149439601 std=171.0827743997)
53		Missing

NFQA199		<i>rithi_s = Thiamin (vitamin B1)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 30.049315068 (median=0.0493150685 mean=2.45074719800 std=7.09388873486)
53		Missing

NFQA200		<i>ririb_s = Riboflavin (vitamin B2)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 30.055890411 (median=0.055890411 mean=2.5231340805 std=7.0855604367)
53		Missing

NFQA201		<i>rinia_s = Niacin (vitamin B3)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 75.657534247 (median=0.6575342466 mean=12.00830220010 std=18.64678823822)
53		Missing

NFQA202		<i>ripant_s = Pantothenic Acid_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 35.328767123 (median=0.3287671233 mean=5.84516396846 std=8.80827800044)
53		Missing

NFQA203		<i>rivb6_s = Vitamin B-6 (pyridoxine, pyridoxyl, & pyridoxamine)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 127.56575342 (median=1.0191780822 mean=7.31905354913 std=23.53747071103)
53		Missing

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NFQA204		<i>rifol_s = Total Folate_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA205		<i>rivb12_s = Vitamin B-12 (cobalamin)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 531 (median=6 mean=44.3 std=136.1)
53		Missing

NFQA206		<i>rica_s = Calcium_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 43001.479452 (median=745.78767123 mean=3920.189912816 std=9132.282922632)
53		Missing

NFQA207		<i>rip_s = Phosphorus_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 15 (median=0 mean=1.0 std=3.6)
53		Missing

NFQA208		<i>rimg_s = Magnesium_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 4500.4109589 (median=0 mean=386.3 std=1189.4)
53		Missing

NFQA209		<i>rife_s = Iron_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 65 (median=0 mean=7.1 std=20.1)
53		Missing

NFQA210		<i>rizn_s = Zinc_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 11.95 (median=0 mean=0.8 std=2.9)
53		Missing

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NFQA211		<i>ricu_s = Copper_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 1.5 (median=0 mean=0.1 std=0.4)
53		Missing

NFQA212		<i>rise_s = Selenium_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 200 (median=0 mean=3.4 std=24.6)
53		Missing

NFQA213		<i>rina_s = Sodium_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA214		<i>rik_s = Potassium_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 99 (median=0 mean=1.9 std=12.2)
53		Missing

NFQA215		<i>ris04_0_s = SFA 4:0 (butyric acid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA216		<i>ris06_0_s = SFA 6:0 (caproic acid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA217		<i>ris08_0_s = SFA 8:0 (caprylic acid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

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NFQA218		ris10_0_s = SFA 10:0 (capric acid)_supplement
N	Value	Description
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA219		ris12_0_s = SFA 12:0 (lauric acid)_supplement
N	Value	Description
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA220		ris14_0_s = SFA 14:0 (myristic acid)_supplement
N	Value	Description
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA221		ris16_0_s = SFA 16:0 (palmitic acid)_supplement
N	Value	Description
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA222		ris17_0_s = SFA 17:0 (margaric acid)_supplement
N	Value	Description
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA223		ris18_0_s = SFA 18:0 (stearic acid)_supplement
N	Value	Description
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA224		ris20_0_s = SFA 20:0 (arachidic acid)_supplement
N	Value	Description
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

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NFQA225		<i>ris22_0_s = SFA 22:0 (behenic acid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA226		<i>rim14_1_s = MUFA 14:1 (myristoleic acid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA227		<i>rim16_1_s = MUFA 16:1 (palmitoleic acid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA228		<i>rim18_1_s = MUFA 18:1 (oleic acid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA229		<i>rim20_1_s = MUFA 20:1 (gadoleic acid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA230		<i>rim22_1_s = MUFA 22:1 (erucic acid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA231		<i>rip18_2_s = PUFA 18:2 (linoleic acid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

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NFQA232		rip18_3_s = PUFA 18:3 (linolenic acid)_supplement
N	Value	Description
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA233		rip18_4_s = PUFA 18:4 (parinaric acid)_supplement
N	Value	Description
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA234		rip20_4_s = PUFA 20:4 (arachidonic acid)_supplement
N	Value	Description
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA235		rip20_5_s = PUFA 20:5 (eicosapentaenoic acid [EPA])_supplement
N	Value	Description
66	Range	0 - 0.18 (median=0 mean=0.0 std=0.1)
53		Missing

NFQA236		rip22_5_s = PUFA 22:5 (docosapentaenoic acid [DPA])_supplement
N	Value	Description
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA237		rip22_6_s = PUFA 22:6 (docosahexaenoic acid [DHA])_supplement
N	Value	Description
66	Range	0 - 0.12 (median=0 mean=0.0 std=0.0)
53		Missing

NFQA238		ritryp_s = Tryptophan_supplement
N	Value	Description
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

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NFQA239		<i>rithre_s = Threonine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA240		<i>riisol_s = Isoleucine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA241		<i>rileuc_s = Leucine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA242		<i>rilysi_s = Lysine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA243		<i>rimeth_s = Methionine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA244		<i>ricyst_s = Cystine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA245		<i>riphen_s = Phenylalanine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

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NFQA246		<i>rityro_s = Tyrosine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA247		<i>rivali_s = Valine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA248		<i>riargi_s = Arginine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA249		<i>rihist_s = Histidine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA250		<i>rialan_s = Alanine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA251		<i>riaspa_s = Aspartic Acid_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA252		<i>riglut_s = Glutamic Acid_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

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NFQA253		<i>riglyc_s = Glycine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA254		<i>riprol_s = Proline_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA255		<i>riseri_s = Serine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA256		<i>riaspt_s = Aspartame_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA257		<i>ricaf_s = Caffeine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA258		<i>riphyt_s = Phytic Acid_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA259		<i>rioxal_s = Oxalic Acid_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

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NFQA260		<i>rimh3_s = 3-Methylhistidine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA261		<i>risp_s = Sucrose Polyester_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA262		<i>riash_s = Ash_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA263		<i>riw_s = Water_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA264		<i>ripctfat_s = % Calories from Fat_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA265		<i>ripctcho_s = % Calories from Carbohydrate_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA266		<i>ripctpro_s = % Calories from Protein_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

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NFQA267		<i>ripctalc_s = % Calories from Alcohol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA268		<i>ripctsfa_s = % Calories from SFA_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA269		<i>ripctmfa_s = % Calories from MUFA_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA270		<i>ripctpfa_s = % Calories from PUFA_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA271		<i>rips_s = Polyunsaturated to Saturated Fat Ratio_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA272		<i>ricsi_s = Cholesterol to Saturated Fatty Acid Index_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA273		<i>rivare_s = Total Vitamin A Activity (Retinol Equivalents)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

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NFQA274		<i>rif181t_s = TRANS 18:1 (trans-octadecenoic acid [elaidic acid])_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA275		<i>rif182t_s = TRANS 18:2 (trans-octadecadienoic acid [linolelaidic acid]; incl. c-t, t-c, t-t)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA276		<i>rif161t_s = TRANS 16:1 (trans-hexadecenoic acid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA277		<i>ritffa_s = Total Trans-Fatty Acids (TRANS)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA278		<i>ribcar_s = Beta-Carotene (provitamin A carotenoid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 325.7260274 (median=10.060273973 mean=111.3377334996 std=144.8770688048)
53		Missing

NFQA279		<i>riacar_s = Alpha-Carotene (provitamin A carotenoid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA280		<i>ribcry_s = Beta-Cryptoxanthin (provitamin A carotenoid)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

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NFQA281		<i>rilz_s = Lutein + Zeaxanthin_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 8.2191780822 (median=0 mean=0.5 std=2.0)
53		Missing

NFQA282		<i>rilyco_s = Lycopene_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 9.8630136986 (median=0 mean=0.6 std=2.4)
53		Missing

NFQA283		<i>ridfe_s = Dietary Folate Equivalents_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA284		<i>rinfo_s = Natural Folate_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA285		<i>risfo_s = Synthetic Folate_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 800 (median=19.726027398 mean=188.5927770859 std=231.1895026531)
53		Missing

NFQA286		<i>rivarae_s = Total Vitamin A Activity (Retinol Activity Equivalents)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA287		<i>rikj_s = Energy (kilojoules)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

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NFQA288		<i>riniaeq_s = Niacin Equivalents_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA289		<i>ritsugar_s = Total Sugars_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA290		<i>riomega3_s = Omega-3 Fatty Acids_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA291		<i>rimn_s = Manganese_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	Range	0 - 0.0756164384 (median=0 mean=0.0 std=0.0)
53		Missing

NFQA292		<i>rivite_s = Vitamin E (International Units)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		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>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		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>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

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NFQA295		<i>ridaid_s = Daidzein_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA296		<i>rigeni_s = Genistein_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA297		<i>riglyt_s = Glycitein_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA298		<i>ricoum_s = Coumestrol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA299		<i>ribioa_s = Biochanin A_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA300		<i>riformon_s = Formononetin_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA301		<i>riasugar_s = Added Sugars_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

SOLNAS Main Study Code Book (INV version 2.0), Chapter 4 Section A
Section A: Multi Diet FFQ

NFQA302		<i>riacesk_s = Acesulfame Potassium_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA303		<i>risucl_s = Sucralose_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA304		<i>riacho_s = Available Carbohydrate_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA305		<i>rigig_s = Glycemic Index (glucose reference)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA306		<i>rigib_s = Glycemic Index (bread reference)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA307		<i>riglg_s = Glycemic Load (glucose reference)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA308		<i>riglb_s = Glycemic Load (bread reference)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

SOLNAS Main Study Code Book (INV version 2.0), Chapter 4 Section A

Section A: Multi Diet FFQ

NFQA309		<i>richoline_s= Choline_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA310		<i>ribetaine_s= Betaine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA311		<i>rieryth_s = Erythritol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA312		<i>riinos_s = Inositol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA313		<i>rilactl_s = Lactitol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA314		<i>rimaltitol_s= Maltitol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA315		<i>rimani_s = Mannitol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

SOLNAS Main Study Code Book (INV version 2.0), Chapter 4 Section A

Section A: Multi Diet FFQ

NFQA316		<i>ripini_s = Pinitol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA317		<i>risorb_s = Sorbitol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA318		<i>rixyli_s = Xylitol_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA319		<i>rinitrogen_s= Nitrogen_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA320		<i>ricla_total_s=Total Conjugated Linoleic Acid (CLA 18:2)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA321		<i>ricla_c9t11_s=CLA cis-9, trans-11_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA322		<i>ricla_t10c12_sCLA trans-10, cis-12_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

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Section A: Multi Diet FFQ

NFQA323		<i>ritag_s = Tagatose_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
32	Range	0 - 0 (median=0 mean=0.0 std=0.0)
87		Missing

NFQA324		<i>rivd3_s = Vitamin D3 (cholecalciferol)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119		Missing

NFQA325		<i>riviteiu_s = Vitamin E (International Units)_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
63	Range	0 - 430 (median=14.136986301 mean=26.3670363122 std=72.3091399741)
56		Missing

NFQA326		<i>ribiotin_s = Biotin_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
63	Range	0 - 47.5 (median=0 mean=3.2 std=11.6)
56		Missing

NFQA327		<i>rib_s = Boron_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
63	Range	0 - 4.9315068493 (median=0 mean=0.3 std=1.2)
56		Missing

NFQA328		<i>ricr_s = Chromium_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
63	Range	0 - 1.4794520548 (median=0 mean=0.1 std=0.4)
56		Missing

NFQA329		<i>rii_s = Iodine_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
63	Range	0 - 4.9315068493 (median=0 mean=0.3 std=1.2)
56		Missing

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Section A: Multi Diet FFQ

NFQA330		<i>rimo_s = Molybdenum_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
63	Range	0 - 1.4794520548 (median=0 mean=0.1 std=0.4)
56		Missing

NFQA331		<i>rini_s = Nickel_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
63	Range	0 - 0.1643835616 (median=0 mean=0.0 std=0.0)
56		Missing

NFQA332		<i>risi_s = Silicon_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
63	Range	0 - 0.0657534247 (median=0 mean=0.0 std=0.0)
56		Missing

NFQA333		<i>riv_s = Vanadium_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
63	Range	0 - 0.3287671233 (median=0 mean=0.0 std=0.1)
56		Missing

NFQA334		<i>risacc_s = Saccharin_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119		Missing

NFQA335		<i>riisom_s = Isomalt_supplement</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119		Missing

SOLNAS_VISIT		<i>SOLNAS study visits: 1,2,3 or 4</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	2	visit 2

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>
119	M	Main Studies

SOLNAS Main Study Code Book (INV version 2.0), Chapter 5 Section A

Section A: Participant Derived Variable File

Participant Derived Variable File: FORM CODE=PAR VERSION=T

<i>AGE</i>		<i>Age</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
485	Range	18 - 73 (median=48 mean=46.0 std=13.1)

<i>AGEGROUP_C2</i>		<i>2-Cat. Age groups: 1(18-44),2(45+)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
187	1	18-44 yrs
298	2	45+ yrs

<i>AGEGRP_C4</i>		<i>Age group at HCHS baseline(<25, 25-39, 40-54 and 55+)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
44	1	18-24
94	2	25-39
213	3	40-54
134	4	55+

<i>AGEGROUP_C6</i>		<i>6-level Age Sub-groups</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
44	1	18-24
53	2	25-34
90	3	35-44
164	4	45-54
108	5	55-64
26	6	65+

<i>BKGRD1_C7</i>		<i>7-level re-classification of Hispanic/Latino Background</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
48	0	Dominican
52	1	Central American
70	2	Cuban
145	3	Mexican
126	4	Puerto Rican
44	5	South American

SOLNAS Main Study Code Book (INV version 2.0), Chapter 5 Section A**Section A: Participant Derived Variable File**

<i>BMI</i>		<i>BMI (kg/m2) at HCHS/SOL baseline</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
485	Range	16.156073769 - 61.26734843 (median=28.946995465 mean=29.6922831039 std=6.0924246423)

<i>BMIGRPV1_C4</i>		<i>4-level BMI group-WHO at SOLNAS Visit 1</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
4	1	Underweight
91	2	Normal
194	3	Overweight
196	4	Obese

<i>BMIGRPV1_C6</i>		<i>6-level BMI group-WHO at SOLNAS Visit 1</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
4	1	Underweight
91	2	Normal
194	3	Overweight
122	4	Obese I
46	5	Obese II
28	6	Obese III

<i>BMIGRP_C4</i>		<i>4-level grouped Body Mass Index - WHO, at HCHS/SOL baseline</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6	1	Underweight
90	2	Normal
189	3	Overweight
200	4	Obese

<i>BMIGRP_C6</i>		<i>6-level grouped Body Mass Index - WHO, at HCHS/SOL baseline</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
6	1	Underweight
90	2	Normal
189	3	Overweight
121	4	Obese I
53	5	Obese II
26	6	Obese III

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Section A: Participant Derived Variable File

<i>BMIV1</i>		<i>BMI at SOLNAS Visit 1(VSEA)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
485	Range	16.960003423 - 60.266666667 (median=28.943505589 mean=29.8517330615 std=6.1267517153)

<i>CENTER</i>		<i>Center (Participant Field Center)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
122	B	Bronx
121	C	Chicago
121	M	Miami
121	S	San Diego

<i>CENTERNUM</i>		<i>Participant's Field Center - numeric</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
122	1	Bronx
121	2	Chicago
121	3	Miami
121	4	San Diego

<i>CLINDATE</i>		<i>HCHS/SOL baseline date</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
485	Range	08/11/2010 - 06/30/2011

<i>CNTLAB_QC</i>		<i>Central Lab QC completed: VTEA4=1 and (VTEA11a-11g,VTEA11j,11k & 11l ALL=1)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
436	0	No
49	1	Yes

<i>DATEV1</i>		<i>Date for SOLNAS visit 1 Main Study (from VSEA0a)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
485	Range	02/10/2011 - 04/04/2012

<i>DATEV2</i>		<i>Date for SOLNAS visit 2 Main Study (from VTEA0a)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
478	Range	02/22/2011 - 04/17/2012
7		Missing

SOLNAS Main Study Code Book (INV version 2.0), Chapter 5 Section A**Section A: Participant Derived Variable File**

DATEV3		Date for SOLNAS visit 3 Reliability Study (from VSEA0a)
N	Value	Description
98	Range	01/17/2012 - 09/07/2012
387		Missing

DATEV4		Date for SOLNAS visit 4 Reliability Study (from VTEA0a)
N	Value	Description
96	Range	01/28/2012 - 09/20/2012
389		Missing

DAYS_V1M1		Days between HCHS clinic visit and SOLNAS visit 1
N	Value	Description
485	Range	161 - 366 (median=209 mean=229.1 std=54.9)

DAYS_V2V1		Days between SOLNAS visits 1 and 2 (Main Study)
N	Value	Description
478	Range	7 - 33 (median=12 mean=12.4 std=1.9)
7		Missing

DAYS_V3V1		Days between SOLNAS visits 1 and 3
N	Value	Description
98	Range	140 - 225 (median=178 mean=181.1 std=17.9)
387		Missing

DAYS_V4V3		Days between SOLNAS visits 3 and 4 (Reliability Study)
N	Value	Description
96	Range	11 - 15 (median=12 mean=12.1 std=0.8)
389		Missing

DLW_QC		DLW_QC completed: (VSEA5=1 & VSEA16a=1 & VSEA16b=1 & VSEA16c=1) and (VTEA11h=1 & VTEA11i=1)
N	Value	Description
448	0	No
37	1	Yes

SOLNAS Main Study Code Book (INV version 2.0), Chapter 5 Section A**Section A: Participant Derived Variable File**

<i>EDUCATION_C2</i>		<i>Education Status (2 levels)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
158	1	No high school diploma or GED
327	2	At least high school diploma or GED

<i>EDUCATION_C3</i>		<i>Education Status (3 levels)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
158	1	No high school diploma or GED
122	2	High school diploma or GED
205	3	Greater than HS diploma (or GED) education

<i>EDUCATION_C4</i>		<i>Education Status (4 levels)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
158	1	No high school diploma or GED
122	2	High school diploma or GED
70	3	Greater than HS or GED but without University/College degree
135	4	University/college

<i>EMPLOYED</i>		<i>Employment Status (includes retirees)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
37	1	Retired and not currently employed
225	2	Not retired and not currently employed
96	3	Employed part-time (=35 hours/week)
126	4	Employed full-time (>35 hours/week)
1		Missing

<i>EXCL_URINELE500_M</i>		<i>Exclude due to total 24hr urine collection <= 500 (VTEA7a), in Main Study</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
480	0	No
5	1	YES

SOLNAS Main Study Code Book (INV version 2.0), Chapter 5 Section A

Section A: Participant Derived Variable File

EXCL_URINELE500_R		Exclude due to total 24hr urine collection <= 500 (VTEA7a), in Reliability Study
N	Value	Description
96	0	No
2	1	YES
387		Missing

EXCL_MISSURINEG E2_M		Exclude due to two or more missed urine collections (UCEA7), in Main Study
N	Value	Description
467	0	No
18	1	YES

EXCL_MISSURINEG E2_R		Exclude due to two or more missed urine collections (UCEA7), in Reliability Study
N	Value	Description
93	0	No
5	1	YES
387		Missing

FULL_AFU_ELIGIBLE		Annual Follow-Up Eligibility (minimum set of forms present)
N	Value	Description
485	1	Yes

GENDER		Gender (F=Female, M=Male)
N	Value	Description
295	F	Female
190	M	Male

GENDERNUM		Gender (0=Female, 1=Male)
N	Value	Description
295	0	Female
190	1	Male

SOLNAS Main Study Code Book (INV version 2.0), Chapter 5 Section A**Section A: Participant Derived Variable File**

<i>IMGEN_C2</i>		<i>Immigrant Generation - (1=1st, 2=2nd)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
371	1	1st Generation
113	2	2nd Generation
1		Missing

<i>INCOME</i>		<i>Yearly Household Income (ECEA3 and ECEA4)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
441	Range	1 - 10 (median=3 mean=3.8 std=2.3)
44		Missing

<i>INCOME_C5</i>		<i>Yearly Household Income (collapsed categories)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
69	1	Less than \$10,000
166	2	\$10,001-\$20,000
140	3	\$20,001-\$40,000
56	4	\$40,001-\$75,000
10	5	More than \$75,000
44		Missing

<i>IN_MAIN</i>		<i>Both SOLNAS visits 1 and 2</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	0	No
478	1	Yes

<i>IN_RELIAB</i>		<i>Both SOLNAS Reliability visits 3 and 4</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
389	0	No
96	1	Yes

<i>LABID</i>		<i>SOLNAS Main Study Lab ID (from VSEA4 and VTEA3)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
485	Present	Variable/Text Values Suppressed

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Section A: Participant Derived Variable File

LABID_RELIAB		SOLNAS Reliability Study LabID (from VSEA4)
N	Value	Description
98	Present	Variable/Text Values Suppressed
387		Missing

LANG_PREF		Language preference at HCHS/SOL baseline - (1=Span, 2=Eng)
N	Value	Description
369	1	Spanish
116	2	English

MARITAL_STATUS		Marital Status (collapsed categories)
N	Value	Description
143	1	Single
236	2	Married or living with a partner
106	3	Separated, divorced, or widow(er)

OCCUPATION_CUR R		Current Occupation (collapsed categories)
N	Value	Description
68	1	Non-skilled worker
37	2	Service worker
55	3	Skilled worker
25	4	Professional/technical, administrative/executive, or office staff
37	5	Other occupation
263		Missing

OCCUPATION_LON G		Longest Held Occupation (collapsed categories)
N	Value	Description
128	1	Non-skilled worker
50	2	Service worker
133	3	Skilled worker
73	4	Professional/technical, administrative/executive, or office staff
100	5	Other occupation
1		Missing

SOLNAS Main Study Code Book (INV version 2.0), Chapter 5 Section A**Section A: Participant Derived Variable File**

<i>PSU_ID</i>		<i>Primary Sampling Unit ID</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
485	Range	10008 - 29629 (median=14544 mean=16252.7 std=4891.4)

<i>STRAT</i>		<i>Stratification Variable ID</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
485	Range	10 - 29 (median=14 mean=15.9 std=4.9)

<i>US_BORN</i>		<i>Born in mainland US (50 States + DC)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
381	0	No
104	1	Yes

<i>US_NATIVE</i>		<i>US Born (including territories)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
325	0	No
160	1	Yes

<i>VISIT1</i>		<i>SOLNAS visit 1 Main Study (from VSEA)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
485	1	In visit 1

<i>VISIT2</i>		<i>SOLNAS visit 2 Main Study (from VTEA)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
7	0	Not in visit 2
478	1	In visit 2

<i>VISIT3</i>		<i>SOLNAS visit 3 Reliability Study (from VSEA)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
387	0	Not in visit 3
98	1	In visit 3

<i>VISIT4</i>		<i>SOLNAS visit 4 Reliability Study (from VTEA)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
389	0	Not in visit 4
96	1	In visit 4

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Section A: Participant Derived Variable File

VSEA2		SOLNAS Consent Signed in SOLNAS 1st visit (Y/N)
N	Value	Description
485	1	Yes

YRSUS		Years lived in US
N	Value	Description
484	Range	0 - 72 (median=20 mean=23.5 std=16.2)
1		Missing

YRSUS_C2		2-level Grouped Years Lived in US
N	Value	Description
110	1	Less than 10 years
374	2	10 years or more
1		Missing