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National Household Food Acquisition and Purchase Survey (FoodAPS)

Codebook: Food-at-Home (FAH) Nutrient Data faps_fahnutrients

Suggested citation:

1. Introduction

This codebook provides details on the Food-at-Home nutrients for each FAH item in the Food Acquisition and Purchase Survey. Users should first read *User's Guide to Survey Design, Data Collection, and Overview of Datasets* for information about the survey design and sample, survey instruments and data collection, and analytic notes. Event-level variables are provided in **faps_fahevent** dataset and described in the *FAH Event Codebook*. The main item-level data are provided in the **faps_fahitem** and described in the *FAH Item Codebook*. Additional item-level data (IRI's classification of items to store department, aisle, category, and type) obtained by matches to the IRI product dictionary are available in a separate dataset (**faps_fahitem_iri**) for users that have a Third Party Agreement to use the IRI data.

A number of different nutrient databases were matched to the food items in FoodAPS, and the process was complex. The *FoodAPS Nutrient Coding Overview* describes these databases and how they were used to provide nutrient values for food items in FoodAPS. This codebook summaries for each of the variables included in the **faps_fahnutrient** dataset.

2. Data Contents

The **faps_fahnutrient** data file contains one record per FAH item acquired at each event. There are a total of 143,050 items, from 15,205 events and 4,367 households. Variables are grouped into four main types:

- Identifying variables
- Item amount information
- Food Pattern Equivalent (FPE) variables, reported as the amount per 100 grams
- Caloric and macro-/micronutrient content variables, reported as the amount per 100 grams.

See *FoodAPS Nutrient Coding Overview* for a description of how the nutrient and FPE values were assigned to each item.

3. Variable list

4. Variable by Variable Codebook

4.1. Identifying Variables

HHNUM

Variable: HHNUM	Definition: 6-digit unique identifier for each household (address)	Type: Numeric
	143,050 responses with 4,367 unique values. Individual responses not shown.	

EVENTID

Variable: EVENTID	Definition: Unique identifier for each event and can be used to link the event to the items in the faps_fahitem file.	Type: Numeric
	Note: EVENTID is unique across FAH & FAFH files.	
	143,050 responses with 15,205 unique values. Individual responses not shown.	

ITEMNUM

Variable: ITEMNUM	Definition: Sequential item number within event.	Type: Numeric
	Note: To uniquely identify an item entry, use EVENTID and ITEMNUM. ITEMNUM does not uniquely identify any particular food item, such as "12 oz box of Cheerios."	
Range:	1 – 202	
Missing observations (.):	0 (out of 143,050)	

FOODCODE

Variable: FOODCODE	Definition: Food code	Type: Numeric
	The food code can come from a variety of sources. See FOODCODETYPE.	
Range:	1094 - 9358101710	
Missing observations (.):	4,251 (out of 143,050)	

FOODCODETYPE

Variable: FOODCODETYPE	Definition: Type of food code (USDA or study-specific/SNDA)			Type: Numeric
	Value	Count	Percent	Value description
	0	4,251	2.97	No food code, ITEMDESC not discernable
	1	121,890	85.21	USDA Food and Nutrient Database for Dietary Studies (FNDDDS)
	3	16,391	11.46	USDA National Nutrient Database for Standard Reference (SR)
	4	518	0.36	ERS-created food code for FoodAPS

CODENOT1112

Variable: CODENOT1112	Definition: Food code is not from USDA 2011-12 databases			Type: Numeric
	Value	Count	Percent	Value description
	0	129,464	90.50	Code is from FNDDS 2011-12 or SR 26
	1	9,335	6.53	Code is from older USDA data or other database
	.	4,251	2.97	Food code not assigned to item

FOODCODEFPED

Variable: FOODCODEFPED	Definition: USDA food code used to assign FPE values	Type: Numeric
	Note: Only items assigned to food codes that do not have FPE values. There were 208 observations with value for this variable.	
Range:	2030 – 75129000	
Missing observations (.):	142,842 (out of 143,050)	

FOODCODEASSIGNMETHOD

Variable: FOODCODEASSIGNMETHOD	Definition: Method of assigning USDA food code to item description			Type: Numeric
	Value	**Count**	**Percent**	**Value description**
	0	4,251	2.97	No food code
	1	46,810	32.72	Based on IRI TYPE and IRI attributes
	2	16,737	11.70	Based on IRI TYPE, item description, & attributes
	3	37,946	26.53	Based on item description
	4	5,025	3.51	Based on assigned IRI TYPE
	5	6,051	4.23	Based on assigned IRI CAT
	6	26,230	18.34	ERS manual review

USDADESCMAIN

Variable: USDADESCMAIN	Definition: USDA main food code description	Type: Character
Unique values:	3,101	
Missing observations (.):	4,251 (out of 143,050)	

USDADESCADD

Variable: USDADESCADD	Definition: USDA additional food code description	Type: Character
Unique values:	1,118	
Missing observations (.):	67,771 (out of 143,050)	

USDAFOODCAT1

Variable: USDAFOODCAT1	Definition: USDA main food category (1-digit)		Type: Numeric
	Value	**Count**	**Percent**	**Value description**
	1	11,892	8.31	Milk and dairy
	2	21,005	14.68	Protein foods
	3	12,444	8.70	Mixed dishes
	4	13,888	9.71	Grains
	5	19,744	13.80	Snacks and sweets
	6	27,631	19.32	Fruit and vegetables
	7	17,435	12.19	Beverages
	8	14,010	9.79	Fats and oils, condiments, and sugars
	9	750	0.52	Infant formula and baby food, or not in a category
	.	4,251	2.97	food code not assigned

USDAFOODCAT2

Variable: USDAFOODCAT2	Definition: USDA food subcategory (2-digit)		Type: Numeric	
	Value	Count	Percent	Value description
	10	4,042	2.83	Milk
	12	369	0.26	Flavored milk
	14	536	0.37	Dairy drinks and substitutes
	16	4,205	2.94	Cheese
	18	2,740	1.92	Yogurt
	20	4,676	3.27	Meats
	22	3,147	2.20	Poultry
	24	2,093	1.46	Seafood
	25	1,909	1.33	Eggs
	26	6,082	4.25	Cold cuts and cured meats
	28	3,098	2.17	Plant-based protein foods
	30	2,236	1.56	Mixed dishes—meat, poultry, seafood
	32	3,668	2.56	Mixed dishes—grain-based
	34	260	0.18	Mixed dishes—Asian
	35	417	0.29	Mixed dishes—Mexican
	36	1,411	0.99	Mixed dishes—pizza
	37	893	0.62	Mixed dishes—sandwiches (single code)
	38	3,559	2.49	Mixed dishes—soups
	40	1,951	1.36	Rice, pasta, cooked grains
	42	7,555	5.28	Breads, rolls, tortillas
	44	1,417	0.99	Quick breads and bread products
	46	2,539	1.77	Ready-to-eat cereals
	48	426	0.30	Cooked cereals
	50	4,430	3.10	Savory snacks
	52	1,861	1.30	Crackers
	54	833	0.58	Snack/meal bars
	55	5,734	4.01	Sweet bakery products
	57	4,102	2.87	Candy and chocolates
	58	2,784	1.95	Ice cream, pudding, other desserts
	60	10,150	7.10	Fruits

Value	Count	Percent	Value description
64	15,503	10.84	Vegetables, excluding potatoes
68	1,978	1.38	White potatoes
70	1,661	1.16	100% juice
71	1,370	0.96	Diet beverages
72	8,948	6.26	Sweetened beverages
73	2,088	1.46	Coffee and tea
75	1,260	0.88	Alcoholic beverages
77	1,350	0.94	Plain water
78	758	0.53	Flavored or enhanced water
80	4,884	3.41	Fats and oils
84	7,190	5.03	Condiments and sauces
88	1,936	1.35	Sugar, jams, syrups
90	441	0.31	Baby foods
92	28	0.02	Baby juice and water
94	168	0.12	Infant formulas
98	10	0.01	Protein and nutritional powders
99	103	0.07	Not included in a category
.	4,251	2.97	Item not assigned a food code

USDAFOODCAT4

Variable: USDAFOODCAT4	Definition: USDA detailed food category (4-digit)		Type: Numeric
	Value	**Count**	**Percent**	**Value description**
	1002	1,254	0.88	Milk, whole
	1004	1,872	1.31	Milk, reduced fat
	1006	422	0.30	Milk, low-fat
	1008	494	0.35	Milk, nonfat
	1202	133	0.09	Flavored milk, whole
	1204	165	0.12	Flavored milk, reduced fat
	1206	71	0.05	Flavored milk, low-fat
	1402	236	0.16	Milk shakes and other dairy drinks
	1404	300	0.21	Milk substitutes
	1602	3,850	2.69	Cheese
	1604	355	0.25	Cottage/ricotta cheese
	1802	26	0.02	Yogurt, whole and reduced fat
	1804	2,714	1.90	Yogurt, low-fat and nonfat
	2002	1,920	1.34	Beef, excludes ground
	2004	1,398	0.98	Ground beef
	2006	1,189	0.83	Pork
	2008	38	0.03	Lamb, goat, game
	2010	129	0.09	Liver and organ meats
	2202	2,354	1.65	Chicken, whole pieces
	2204	489	0.34	Chicken patties, nuggets and tenders
	2206	304	0.21	Turkey, duck, other poultry
	2402	1,674	1.17	Fish
	2404	419	0.29	Shellfish
	2502	1,909	1.33	Eggs and omelets
	2602	2,794	1.95	Cold cuts and cured meats
	2604	764	0.53	Bacon
	2606	1,038	0.73	Frankfurters
	2608	1,486	1.04	Sausages
	2802	1,589	1.11	Beans, peas, legumes
	2804	1,344	0.94	Nuts and seeds
	2806	165	0.12	Processed soy products

Value	Count	Percent	Value description
3002	1,113	0.78	Meat mixed dishes
3004	975	0.68	Poultry mixed dishes
3006	148	0.10	Seafood mixed dishes
3202	628	0.44	Rice mixed dishes
3204	1,145	0.80	Pasta mixed dishes, excludes macaroni and cheese
3206	1,506	1.05	Macaroni and cheese
3208	389	0.27	Turnovers and other grain-based items
3402	44	0.03	Fried rice and lo/chow mein
3404	117	0.08	Stir-fry and soy-based sauce mixtures
3406	99	0.07	Egg rolls, dumplings, sushi
3502	192	0.13	Burritos and tacos
3504	2	0.00	Nachos
3506	223	0.16	Other Mexican mixed dishes
3602	1,411	0.99	Pizza
3702	56	0.04	Burgers (single code)
3703	90	0.06	
3704	45	0.03	Chicken/turkey sandwiches (single code)
3706	109	0.08	Egg/breakfast sandwiches (single code)
3708	593	0.41	Other sandwiches (single code)
3802	3,559	2.49	Soups
4002	468	0.33	Rice
4004	1,483	1.04	Pasta, noodles, cooked grains
4202	4,327	3.02	Yeast breads
4204	1,681	1.18	Rolls and buns
4206	505	0.35	Bagels and English muffins
4208	1,042	0.73	Tortillas
4402	930	0.65	Biscuits, muffins, quick breads
4404	487	0.34	Pancakes, waffles, French toast
4602	1,654	1.16	Ready-to-eat cereal, higher sugar (>21.2g/100g)
4604	885	0.62	Ready-to-eat cereal, lower sugar (=<21.2g/100g)

Value	Count	Percent	Value description
4802	311	0.22	Oatmeal
4804	115	0.08	Grits and other cooked cereals
5002	1,616	1.13	Potato chips
5004	1,959	1.37	Tortilla, corn, other chips
5006	410	0.29	Popcorn
5008	445	0.31	Pretzels/snack mix
5202	1,635	1.14	Crackers, excludes saltines
5204	226	0.16	Saltine crackers
5402	522	0.36	Cereal bars
5404	311	0.22	Nutrition bars
5502	1,790	1.25	Cakes and pies
5504	2,503	1.75	Cookies and brownies
5506	1,441	1.01	Doughnuts, sweet rolls, pastries
5702	1,934	1.35	Candy containing chocolate
5704	2,168	1.52	Candy not containing chocolate
5802	1,574	1.10	Ice cream and frozen dairy desserts
5804	533	0.37	Pudding
5806	677	0.47	Gelatins, ices, sorbets
6002	1,212	0.85	Apples
6004	2,129	1.49	Bananas
6006	671	0.47	Grapes
6008	742	0.52	Peaches and nectarines
6010	1,451	1.01	Berries
6012	1,085	0.76	Citrus fruits
6014	733	0.51	Melons
6016	299	0.21	Dried fruits
6018	1,828	1.28	Other fruits and fruit salads
6402	2,277	1.59	Tomatoes
6404	708	0.49	Carrots
6406	496	0.35	Other red and orange vegetables
6408	1,078	0.75	Dark green vegetables, excludes lettuce
6410	1,611	1.13	Lettuce and lettuce salads
6412	810	0.57	String beans

Value	Count	Percent	Value description
6414	1,307	0.91	Onions
6416	1,243	0.87	Corn
6418	586	0.41	Other starchy vegetables
6420	5,115	3.58	Other vegetables and combinations
6422	272	0.19	Vegetable mixed dishes
6802	1,010	0.71	White potatoes, baked or boiled
6804	462	0.32	French fries and other fried white potatoes
6806	508	0.36	Mashed potatoes and white potato mixtures
7002	701	0.49	Citrus juice
7004	319	0.22	Apple juice
7006	485	0.34	Other fruit juice
7008	156	0.11	Vegetable juice
7102	1,162	0.81	Diet soft drinks
7104	158	0.11	Diet sport and energy drinks
7106	50	0.03	Other diet drinks
7202	4,169	2.91	Soft drinks
7204	3,567	2.49	Fruit drinks
7206	1,096	0.77	Sport and energy drinks
7208	116	0.08	Nutritional beverages
7302	882	0.62	Coffee
7304	1,206	0.84	Tea
7502	594	0.42	Beer
7504	486	0.34	Wine
7506	180	0.13	Liquor and cocktails
7702	109	0.08	Tap water
7704	1,241	0.87	Bottled water
7802	473	0.33	Flavored or carbonated water
7804	285	0.20	Enhanced or fortified water
8002	468	0.33	Butter and animal fats
8004	776	0.54	Margarine
8006	1,058	0.74	Cream cheese, sour cream, whipped cream
8008	837	0.59	Cream and cream substitutes

Value	Count	Percent	Value description
8010	493	0.34	Mayonnaise
8012	1,252	0.88	Salad dressings and vegetable oils
8402	1,250	0.87	Tomato-based condiments
8404	95	0.07	Soy-based condiments
8406	2,915	2.04	Mustard and other condiments
8408	728	0.51	Olives, pickles, pickled vegetables
8410	1,397	0.98	Pasta sauces, tomato-based
8412	805	0.56	Dips, gravies, other sauces
8802	832	0.58	Sugars and honey
8804	126	0.09	Sugar substitutes
8806	978	0.68	Jams, syrups, toppings
9002	51	0.04	Baby food: cereals
9004	163	0.11	Baby food: fruit
9006	96	0.07	Baby food: vegetable
9008	88	0.06	Baby food: meat and dinners
9010	9	0.01	Baby food: yogurt
9012	34	0.02	Baby food: snacks and sweets
9202	23	0.02	Baby juice
9204	5	0.00	Baby water
9402	41	0.03	Formula, ready-to-feed
9404	126	0.09	Formula, prepared from powder
9406	1	0.00	Formula, prepared from concentrate
9802	10	0.01	Protein and nutritional powders
9999	103	0.07	Not included in a food category
.	4,251	2.97	Item not assigned a food code

RECODEDFINAL

Variable: RECODEDFINAL	Definition: food code changed after all ERS reviews		Type: Numeric
	Value	**Count**	**Percent**	**Value description**

	Value	Count	Percent	Value description
	0	116,820	81.66	Not recoded
	1	26,230	18.34	Recoded after ERS review

FOODGROUP

Variable: FOODGROUP	Definition: Food group (ERS classification system)		Type: Numeric
	Value	**Count**	**Percent**	**Value description**

	Value	Count	Percent	Value description
	10101	768	0.54	Whole-grain breads, rolls, etc.
	10102	166	0.12	Whole-grain rice and pasta
	10103	1,830	1.28	Whole-grain breakfast cereals
	10104	32	0.02	Whole-grain flour, bread mixes, frozen dough
	10201	6,259	4.38	Non-whole-grain breads, rolls, etc.
	10202	1,626	1.14	Non-whole-grain rice and pasta
	10203	1,083	0.76	Non-whole-grain breakfast cereals
	10204	1,416	0.99	Non-whole-grain flour, bread mixes, frozen dough
	20101	1,619	1.13	Fresh starchy vegetables
	20102	453	0.32	Frozen starchy vegetables
	20103	825	0.58	Canned starchy vegetables
	20201	1,715	1.20	Fresh tomatoes
	20203	453	0.32	Canned tomatoes
	20301	1,081	0.76	Fresh dark green vegetables
	20302	217	0.15	Frozen dark green vegetables
	20303	58	0.04	Canned dark green vegetables
	20401	1,005	0.70	Fresh red and orange vegetables
	20402	13	0.01	Frozen red and orange vegetables
	20403	143	0.10	Canned red and orange vegetables
	20501	644	0.45	Fresh beans, lentils, legumes
	20502	15	0.01	Frozen beans, lentils, legumes
	20503	223	0.16	Canned beans, lentils, legumes
	20601	7,687	5.37	Fresh other/mixed vegetables
	20602	388	0.27	Frozen other/mixed vegetables
	20603	1,697	1.19	Canned other/mixed vegetables
	30101	8,535	5.97	Fresh whole fruit
	30102	103	0.07	Frozen whole fruit
	30103	1,181	0.83	Canned whole fruit
	30104	299	0.21	Dried whole fruit
	30201	1,456	1.02	100% fruit and vegetable juices

Value	Count	Percent	Value description
40101	1,245	0.87	Whole milk
40102	605	0.42	Whole milk cream
40103	26	0.02	Whole milk yogurt
40201	3,084	2.16	Low-fat or skim milk
40202	116	0.08	Low-fat or skim milk cream
40203	2,727	1.91	Low-fat or skim milk yogurt
40301	3,404	2.38	All unprocessed cheese
40302	1,177	0.82	Processed cheese, soups, sauces
50101	3,806	2.66	Fresh beef, pork, veal, lamb, game
50102	554	0.39	Frozen beef, pork, veal, lamb, game
50103	14	0.01	Canned beef, pork, veal, lamb, game
50201	117	0.08	Fresh chicken, turkey, game birds
50202	2,547	1.78	Frozen chicken, turkey, game birds
50203	90	0.06	Canned chicken, turkey, game birds
50301	72	0.05	Fresh fish and seafood
50302	1,008	0.70	Frozen fish and seafood
50303	1,007	0.70	Canned fish and seafood
50401	764	0.53	Raw nuts and seeds
50402	440	0.31	Processed nuts/seeds and spreads
50501	6,019	4.21	Bacon, sausage, lunch meats, etc.
50601	1,858	1.30	Eggs and egg substitutes
50701	187	0.13	Tofu and meat substitutes
60101	2,489	1.74	Ready-to-eat prepared meals
60201	6,407	4.48	Frozen prepared meals
60301	3,826	2.67	Canned prepared meals
60401	4,033	2.82	Packaged prepared meals
70101	1,913	1.34	Fats and oils
70102	583	0.41	Salad dressing
70201	4,900	3.19	Condiments, gravies, and sauces
70202	1,305	0.91	Dry spices
70301	825	0.58	Sweetened coffee and tea
70302	1,163	0.81	Unsweetened coffee and tea
70303	1,604	1.12	Low-calorie beverages
70304	9,634	6.73	All other caloric beverages

Value	Count	Percent	Value description
70305	1,260	0.88	Alcohol
70306	1,631	1.14	Water
70401	1,785	1.25	Sweeteners
70402	322	0.23	Jellies and jams
70403	4,156	2.91	Candy
70404	6,090	4.26	Baked goods
70405	527	0.37	Cake mixes
70406	2,783	1.95	Milk drinks and milk desserts
70407	1,043	0.73	All other desserts
70501	836	0.58	Whole-grain salty snacks
70502	5,475	3.83	Non-whole-grain salty snacks
70601	377	0.26	Vitamins and meal supplements
70701	573	0.40	Baby food
70801	168	0.12	Infant formula
99999	3,485	2.44	Not coded items

FOODCODEMPR

Variable: FOODCODEMPR	Definition: USDA food code assigned by MPR	Type: Numeric
	Note: This variable only has a value when ERS recoded the item or assigned an un-coded item a food code	
Range:	1014 – 94210200	
Unique values:	764	
Missing observations (.):	116,973 (out of 143,050)	

FOODCODEMPR_FLAG

Variable: FOODCODEMPR_FLAG	Definition: FLAG-food code from MPR is for food in different form			Type: Numeric
	Value	Count	Percent	Value description
	0	141,639	99.01	Not different form
	1	1,400	0.98	Food code is for different form of food than purchased
	.	11	0.01	No info, from FAFH original files

4.2. Item Amount information

TOTGRAMSUNADJ

Variable: TOTGRAMSUNADJ	Definition: Total gram weight of the food item as purchased			Type: Numeric
	N	**Min**	**Max**	**Mean**	**#Missing (.)**
	99,962	0.5103	640,307.2	972.0664	43,088

TOTGRAMSEDIBLE

Variable: TOTGRAMSEDIBLE	Definition: Total edible gram weight of the food item			Type: Numeric
	Total grams, adjusted for REFUSE, when REFUSE is not missing. Otherwise, TOTGRAMSEDIBLE = TOTGRAMSUNADJ			
	N	**Min**	**Max**	**Mean**	**#Missing (.)**
	99,962	0.5103	640,307.20	945.4325	43,088

TOTGRAMSUNADJIMP

Variable: TOTGRAMSUNADJIMP	Definition: Imputed total gram weight of food as purchased			Type: Numeric
	Note: Grams are imputed only when grams is missing in TOTGRAMSUNADJ and there is sufficient product information with which to impute grams.			
	N	**Min**	**Max**	**Mean**	**#Missing (.)**
	3,033	1	45,360.0	1,017.321	140,017

TOTGRAMSEDIBLEIMP

Variable: TOTGRAMSEDIBLEIMP	Definition: Imputed edible gram weight of food item			Type: Numeric
	Note: Grams are imputed only when grams is missing in TOTGRAMSUNADJ and there is sufficient product information with which to impute grams.			
	N	**Min**	**Max**	**Mean**	**#Missing (.)**
	3,033	1	39,916.80	776.8485	140,017

DRYWEIGHTCALC

Variable: DRYWEIGHTCALC	Definition: Dry weight conversion used to calculate gram weight		Type: Numeric
	Value	Count	Percent	Value description
	0	25,912	18.11	Fluid conversion
	1	117,138	81.89	Dry weight conversion

FLUIDOZGRAMS

Variable: FLUIDOZGRAMS	Definition: Weight of 1 fluid ounce of item		Type: Numeric
	Note: Only identifiable liquid items are assigned a fluid ounce conversion		
	N	Min	Max	Mean	#Missing (.)
	25,912	16.5	42.4	29.72365	117,138

EGGSIZE

Variable: EGGSIZE	Definition: Egg size (g/egg) used to calculate gram weight		Type: Numeric
	Value	Count	Percent	Value description
	38	2	0.00	38g per egg (small)
	44	115	0.08	44g per egg (medium)
	50	1,492	1.04	50g per egg (large, or size not indicated)
	56	145	0.10	56g per egg (extra large)
	63	71	0.05	63g per egg (jumbo)
	.	141,225	98.72	Item not an egg

REFUSE

Variable: REFUSE	Definition: Amount of inedible material expressed as % of purchased amount		Type: Numeric
	Note: Some values were edited after ERS review. See REFUSEEDIT and REFUSEMPR for the values assigned originally by the contractor.		
	N	Min	Max	Mean	#Missing (.)
	32,314	0	85	21.6372	110,736

REFUSEEDIT

Variable: REFUSEEDIT	Definition: Refuse factor assigned by MPR was edited by ERS		Type: Numeric
	Value	Count	Percent	Value description
	0	139,468	97.50	Not edited
	1	3,582	2.50	Edited

REFUSEMPR

Variable: REFUSEMPR	Definition: Amount of inedible material expressed as % of purchased amount assigned by MPR	Type: Numeric
	See REFUSESOURCEMPR for information about where the refuse factor was obtained by MPR.	
	N	Min	Max	Mean	#Missing (.)
	31,365	0	85	22.832	111,685

REFUSESOURCEMPR

Variable: REFUSESOURCEMPR	Definition: Source of refuse factor assigned by MPR	Type: Numeric
	Note: Values are likely to change as nutrient matching is revised.	
	Value	Count	Percent	Value description
	1	3,826	2.67	FNDDS
	2	26,264	18.36	SR
	3	118	0.08	SFPS-III
	4	28	0.02	FNDDS adjusted
	5	161	0.11	SR adjusted
	6	411	0.29	FNDDS for similar item
	7	522	0.36	SR for similar item
	.	111,720	78.10	No refuse factor

4.3. Food Pattern Equivalent Values

D_TOTAL

Variable: D_TOTAL	Definition: Total milk, yogurt, cheese, and whey (cup eq. per 100g)	Type: Numeric
Range:	0 – 4	
Missing observations (.):	4,251 (out of 143,050)	

D_CHEESE

Variable: D_CHEESE	Definition: Cheese (cup eq. per 100g)	Type: Numeric
Range:	0 – 3.53	
Missing observations (.):	4,251 (out of 143,050)	

D_MILK

Variable: D_MILK	Definition: Fluid milk and calcium-fortified soy milk (cup eq. per 100g)	Type: Numeric
Range:	0 – 4	
Missing observations (.):	4,251 (out of 143,050)	

D_YOGURT

Variable: D_YOGURT	Definition: Yogurt (cup eq. per 100g)	Type: Numeric
Range:	0 – 0.42	
Missing observations (.):	4,251 (out of 143,050)	

F_TOTAL

Variable: F_TOTAL	Definition: Total whole fruits and fruit juices (cup eq. per 100g)	Type: Numeric
Range:	0 – 2.5	
Missing observations (.):	4,251 (out of 143,050)	

F_CITMLB

Variable: F_CITMLB	Definition: Whole citrus, melons, and berries (cup eq. per 100g)	Type: Numeric
Range:	0 – 2.07	
Missing observations (.):	4,251 (out of 143,050)	

F_OTHER

Variable: F_OTHER	Definition: Whole fruit, excluding citrus, melons, and berries (cup eq. per 100g)	Type: Numeric
Range:	0 – 2.5	
Missing observations (.):	4,251 (out of 143,050)	

F_JUICE

Variable: F_JUICE	Definition: Fruit juices, citrus, and non-citrus (cup eq. per 100g)	Type: Numeric
Range:	0 – 1.43	
Missing observations (.):	4,251 (out of 143,050)	

G_TOTAL

Variable: G_TOTAL	Definition: Total whole and refined grains (oz. eq. per 100g)	Type: Numeric
Range:	0 – 6.25	
Missing observations (.):	4,251 (out of 143,050)	

G_REFINED

Variable: G_REFINED	Definition: Refined or non-whole grains (oz. eq. per 100g)	Type: Numeric
Range:	0 – 6.25	
Missing observations (.):	4,251 (out of 143,050)	

G_WHOLE

Variable: G_WHOLE	Definition: Whole grains (oz. eq. per 100g)	Type: Numeric
Range:	0 – 6.25	
Missing observations (.):	4,251 (out of 143,050)	

PF_TOTAL

Variable: PF_TOTAL	Definition: Total meat, poultry, seafood, organ & cured meats, eggs, soy, nuts, and seeds (oz. eq. per 100g); excludes legumes	Type: Numeric
Range:	0 – 7.76	
Missing observations (.):	4,251 (out of 143,050)	

PF_MPS_TOTAL

Variable: PF_MPS_TOTAL	Definition: Total meat, poultry, seafood, organ & cured meats (oz. eq. per 100g)	Type: Numeric
Range:	0 – 7.76	
Missing observations (.):	4,251 (out of 143,050)	

PF_MEAT

Variable: PF_MEAT	Definition: Beef, veal, pork, lamb, game meat (oz. eq. per 100g); excludes organ & cured meats	Type: Numeric
Range:	0 – 3.53	
Missing observations (.):	4,251 (out of 143,050)	

PF_POULT

Variable: PF_POULT	Definition: Chicken, turkey, Cornish hens, and game birds (oz. eq. per 100g); excludes organ & cured meats	Type: Numeric
Range:	0 – 3.53	
Missing observations (.):	4,251 (out of 143,050)	

PF_SEAFD_HI

Variable: PF_SEAFD_HI	Definition: Seafood (finfish, shellfish, and other) high in n-3 fatty acids (oz. eq. per 100g)	Type: Numeric
Range:	0 – 3.53	
Missing observations (.):	4,251 (out of 143,050)	

PF_SEAFD_LOW

Variable: PF_SEAFD_LOW	Definition: Seafood (finfish, shellfish, and other) low in n-3 fatty acids (oz. eq. per 100g)	Type: Numeric
Range:	0 – 7.76	
Missing observations (.):	4,251 (out of 143,050)	

PF_ORGAN

Variable: PF_ORGAN	Definition: Organ meat from beef, veal, pork, lamb, game, poultry (oz. eq. per 100g)	Type: Numeric
Range:	0 – 3.5	
Missing observations (.):	4,251 (out of 143,050)	

PF_CUREDMEAT

Variable: PF_CUREDMEAT	Definition: Cured/luncheon meat made from beef, pork, or poultry (oz. eq. per 100g)	Type: Numeric
Range:	0 – 3.53	
Missing observations (.):	4,251 (out of 143,050)	

PF_EGGS

Variable: PF_EGGS	Definition: Eggs (chicken, duck, goose, quail) and egg substitutes (oz. eq. per 100g)	Type: Numeric
Range:	0 – 2	
Missing observations (.):	4,251 (out of 143,050)	

PF_SOY

Variable: PF_SOY	Definition: Soy products (oz. eq. per 100g); excludes calcium-fortified soy milk and immature soybeans	Type: Numeric
Range:	0 – 7.05	
Missing observations (.):	4,251 (out of 143,050)	

PF_NUTSDS

Variable: PF_NUTSDS	Definition: Peanuts, tree nuts, and seeds (oz. eq. per 100g); excludes coconut	Type: Numeric
Range:	0 – 7.05	
Missing observations (.):	4,251 (out of 143,050)	

PF_LEGUMES

Variable: PF_LEGUMES	Definition: Legumes, oz eq. of protein foods	Type: Numeric
Range:	0 – 6.67	
Missing observations (.):	4,251 (out of 143,050)	

V_LEGUMES

Variable: V_LEGUMES	Definition: Legumes, cup eq. of vegetables	Type: Numeric
Range:	0 – 1.67	
Missing observations (.):	4,251 (out of 143,050)	

V_TOTAL

Variable: V_TOTAL	Definition: Total dark green, red and orange, starchy, and other vegetables (cup eq. per 100g); excludes legumes	Type: Numeric
Range:	0 – 10	
Missing observations (.):	4,251 (out of 143,050)	

V_DRKGR

Variable: V_DRKGR	Definition: Dark green vegetables (cup eq. per 100g)	Type: Numeric
Range:	0 – 3.33	
Missing observations (.):	4,251 (out of 143,050)	

V_REDOR_TOTAL

Variable: V_REDOR_TOTAL	Definition: Total red and orange vegetables (tomatoes + other) (cup eq. per 100g)	Type: Numeric
Range:	0 – 4	
Missing observations (.):	4,251 (out of 143,050)	

V_REDOR_TOMATO

Variable: V_REDOR_TOMATO	Definition: Tomatoes and tomato products (cup eq. per 100g)	Type: Numeric
Range:	0 – 4	
Missing observations (.):	4,251 (out of 143,050)	

V_REDOR_OTHER

Variable: V_REDOR_OTHER	Definition: Other red and orange vegetables (cup eq. per 100g); excludes tomatoes and tomato products	Type: Numeric
Range:	0 – 1.75	
Missing observations (.):	4,251 (out of 143,050)	

V_STARCHY_TOTAL

Variable: V_STARCHY_TOTAL	Definition: Total starchy vegetables (white potatoes + other) (cup eq. per 100g)	Type: Numeric
Range:	0 – 3.33	
Missing observations (.):	4,251 (out of 143,050)	

V_STARCHY_POTATO

Variable: V_STARCHY_POTATO	Definition: White potatoes (cup eq. per 100g)	Type: Numeric
Range:	0 – 3.33	
Missing observations (.):	4,251 (out of 143,050)	

V_STARCHY_OTHER

Variable: V_STARCHY_OTHER	Definition: Other starchy vegetables (cup eq. per 100g), excludes white potatoes	Type: Numeric
Range:	0 – 1.75	
Missing observations (.):	4,251 (out of 143,050)	

V_OTHER

Variable: V_OTHER	Definition: Other vegetables not in other vegetable components (cup eq. per 100g)	Type: Numeric
Range:	0 – 10	
Missing observations (.):	4,251 (out of 143,050)	

OILS

Variable: OILS	Definition: Oils (g) per 100g	Type: Numeric
Range:	0 – 100	
Missing observations (.):	4,251 (out of 143,050)	

SOLID_FATS

Variable: SOLID_FATS	Definition: Solid fats (g) per 100g	Type: Numeric
Range:	0 – 100	
Missing observations (.):	4,251 (out of 143,050)	

ADD_SUGARS

Variable: ADD_SUGARS	Definition: Foods defined as added sugars (tsp. eq.) per 100g	Type: Numeric
Range:	0 – 23.76	
Missing observations (.):	4,251 (out of 143,050)	

A_DRINKS

Variable: A_DRINKS	Definition: Alcoholic beverages (no. of drinks) per 100g	Type: Numeric
Range:	0 – 2.71	
Missing observations (.):	4,251 (out of 143,050)	

4.4. Nutrients

ENERGY

Variable: ENERGY	Definition: Energy (kcal), per 100g	Type: Numeric
Range:	0 – 902	
Missing observations (.):	4,251 (out of 143,050)	

CARB

Variable: CARB	Definition: Carbohydrate (g), per 100g	Type: Numeric
Range:	0 – 100	
Missing observations (.):	4,251 (out of 143,050)	

DIETFIBER

Variable: DIETFIBER	Definition: Total dietary fiber (g), per 100g	Type: Numeric
Range:	0 – 53.2	
Missing observations (.):	4,371 (out of 143,050)	

TOTSUG

Variable: TOTSUG	Definition: Total sugars (g), per 100g	Type: Numeric
Range:	0 – 99.8	
Missing observations (.):	4,534 (out of 143,050)	

TOTFAT

Variable: TOTFAT	Definition: Total fat (g), per 100g	Type: Numeric
Range:	0 – 100	
Missing observations (.):	4,251 (out of 143,050)	

SATFAT

Variable: SATFAT	Definition: Total saturated fatty acids (g), per 100g	Type: Numeric
Range:	0 – 86.5	
Missing observations (.):	4,296 (out of 143,050)	

MONOFAT

Variable: MONOFAT	Definition: Total monounsaturated fatty acids (g), per 100g	Type: Numeric
Range:	0 – 75.221	
Missing observations (.):	4,299 (out of 143,050)	

POLYFAT

Variable: POLYFAT	Definition: Total polyunsaturated fatty acids (g), per 100g	Type: Numeric
Range:	0 – 67.849	
Missing observations (.):	4,299 (out of 143,050)	

PROTEIN

Variable: PROTEIN	Definition: Protein (g), per 100g	Type: Numeric
Range:	0 – 78.13	
Missing observations (.):	4,251 (out of 143,050)	

ALCOHOL

Variable: ALCOHOL	Definition: Alcohol (g), per 100g	Type: Numeric
Range:	0 – 37.9	
Missing observations (.):	4,370 (out of 143,050)	

CAROALPHA

Variable: CAROALPHA	Definition: Alpha carotene (mcg), per 100g	Type: Numeric
Range:	0 – 4,685	
Missing observations (.):	4,463 (out of 143,050)	

CAROBETA

Variable: CAROBETA	Definition: Beta carotene (mcg), per 100g	Type: Numeric
Range:	0 – 26,398	
Missing observations (.):	4,447 (out of 143,050)	

CHOL

Variable: CHOL	Definition: Cholesterol (mg), per 100g	Type: Numeric
Range:	0 – 997	
Missing observations (.):	4,277 (out of 143,050)	

CAFFEINE

Variable: CAFFEINE	Definition: Caffeine (mg), per 100g	Type: Numeric
Range:	0 – 5,714	
Missing observations (.):	4,539 (out of 143,050)	

CALCIUM

Variable: CALCIUM	Definition: Calcium (mg), per 100g	Type: Numeric
Range:	0 – 5,876	
Missing observations (.):	4,251 (out of 143,050)	

CHOLINE

Variable: CHOLINE	Definition: Choline (mg), per 100g	Type: Numeric
Range:	0 – 490.9	
Missing observations (.):	4,560 (out of 143,050)	

COPPER

Variable: COPPER	Definition: Copper (mg), per 100g	Type: Numeric
Range:	0 – 14.164	
Missing observations (.):	4,251 (out of 143,050)	

CRYPT

Variable: CRYPT	Definition: Beta cryptoxanthin (mcg), per 100g	Type: Numeric
Range:	0 – 6,252	
Missing observations (.):	4,479 (out of 143,050)	

FOLACID

Variable: FOLACID	Definition: Folic acid (mcg), per 100g	Type: Numeric
Range:	0 – 1,536	
Missing observations (.):	4,273 (out of 143,050)	

FOLDFE

Variable: FOLDFE	Definition: Folate as dietary folate equivalents (mcg), per 100g	Type: Numeric
Range:	0 –2,630	
Missing observations (.):	4,384 (out of 143,050)	

FOLFOOD

Variable: FOLFOOD	Definition: Food folate (mcg), per 100g	Type: Numeric
Range:	0 – 2,340	
Missing observations (.):	4,273 (out of 143,050)	

FOLTOT

Variable: FOLTOT	Definition: Total folate (mcg), per 100g	Type: Numeric
Range:	0 – 2,340	
Missing observations (.):	4,273 (out of 143,050)	

IRON

Variable: IRON	Definition: Iron (mg), per 100g	Type: Numeric
Range:	0 – 123.6	
Missing observations (.):	4,251 (out of 143,050)	

LUTEIN

Variable: LUTEIN	Definition: Lutein + zeaxanthin (mcg), per 100g	Type: Numeric
Range:	0 – 19,553	
Missing observations (.):	4,468 (out of 143,050)	

LYCOPENE

Variable: LYCOPENE	Definition: Lycopene (mcg), per 100g	Type: Numeric
Range:	0 – 45,902	
Missing observations (.):	4,484 (out of 143,050)	

MAGNES

Variable: MAGNES	Definition: Magnesium (mg), per 100g	Type: Numeric
Range:	0 – 711	
Missing observations (.):	4,251 (out of 143,050)	

NIACIN

Variable: NIACIN	Definition: Niacin (mg), per 100g	Type: Numeric
Range:	0 – 69	
Missing observations (.):	4,251 (out of 143,050)	

PHOSP

Variable: PHOSP	Definition: Phosphorus (mg), per 100g	Type: Numeric
Range:	0 – 2,368	
Missing observations (.):	4,251 (out of 143,050)	

POTASS

Variable: POTASS	Definition: Potassium (mg), per 100g	Type: Numeric
Range:	0 – 6,040	
Missing observations (.):	4,251 (out of 143,050)	

RETINOL

Variable: RETINOL	Definition: Retinol (mcg), per 100g	Type: Numeric
Range:	0 – 9,349	
Missing observations (.):	4,277 (out of 143,050)	

RIBOFL

Variable: RIBOFL	Definition: Riboflavin (mg), per 100g	Type: Numeric
Range:	0 – 5.86	
Missing observations (.):	4,251 (out of 143,050)	

SELENIUM

Variable: SELENIUM	Definition: Selenium (mcg), per 100g	Type: Numeric
Range:	0 – 421.5	
Missing observations (.):	4,344 (out of 143,050)	

SODIUM

Variable: SODIUM	Definition: Sodium (mg), per 100g	Type: Numeric
Range:	0 – 38,758	
Missing observations (.):	4,251 (out of 143,050)	

THEOBROM

Variable: THEOBROM	Definition: Theobromine (mg), per 100g	Type: Numeric
Range:	0 – 2,057	
Missing observations (.):	4,539 (out of 143,050)	

THIAMIN

Variable: THIAMIN	Definition: Thiamin (mg), per 100g	Type: Numeric
Range:	0 – 10.99	
Missing observations (.):	4,251 (out of 143,050)	

VITARAE

Variable: VITARAE	Definition: Vitamin A as retinol activity equivalents (mcg), per 100g	Type: Numeric
Range:	0 – 9,363	
Missing observations (.):	4,289 (out of 143,050)	

VITB6

Variable: VITB6	Definition: Vitamin B-6 (mg), per 100g	Type: Numeric
Range:	0 – 12	
Missing observations (.):	4,251 (out of 143,050)	

VITB12

Variable: VITB12	Definition: Vitamin B-12 (mcg), per 100g	Type: Numeric
Range:	0 – 69.99	
Missing observations (.):	4,277 (out of 143,050)	

VITB12ADD

Variable: VITB12ADD	Definition: Added vitamin B-12 (mcg), per 100g	Type: Numeric
Range:	0 – 20.7	
Missing observations (.):	4,587 (out of 143,050)	

VITC

Variable: VITC	Definition: Vitamin C (mg), per 100g	Type: Numeric
Range:	0 – 560	
Missing observations (.):	4,274 (out of 143,050)	

VITD

Variable: VITD	Definition: Vitamin D (D2 + D3) (mcg), per 100g	Type: Numeric
Range:	0 – 23.8	
Missing observations (.):	4,280 (out of 143,050)	

VITE

Variable: VITE	Definition: Vitamin E (alpha-tocopherol) (mg), per 100g	Type: Numeric
Range:	0 – 60.97	
Missing observations (.):	4,501 (out of 143,050)	

VITEADD

Variable: VITEADD	Definition: Added vitamin E (mg), per 100g	Type: Numeric
Range:	0 – 60.24	
Missing observations (.):	4,591 (out of 143,050)	

VITK

Variable: VITK	Definition: Vitamin K (phylloquinone) (mcg), per 100g	Type: Numeric
Range:	0 – 2,262.8	
Missing observations (.):	4,482 (out of 143,050)	

WATER

Variable: WATER	Definition: Water (g), per 100g	Type: Numeric
Range:	0 – 99.98	
Missing observations (.):	4,251 (out of 143,050)	

ZINC

Variable: ZINC	Definition: Zinc (mg), per 100g	Type: Numeric
Range:	0 – 98.86	
Missing observations (.):	4,251 (out of 143,050)	

SFA40

Variable: SFA40	Definition: Saturated fatty acid 4:0 (butanoic) (g), per 100g	Type: Numeric
Range:	0 – 3.226	
Missing observations (.):	4,501 (out of 143,050)	

SFA60

Variable: SFA60	Definition: Saturated fatty acid 6:0 (hexanoic) (g), per 100g	Type: Numeric
Range:	0 – 2.007	
Missing observations (.):	4, 501 (out of 143,050)	

SFA80

Variable: SFA80	Definition: Saturated fatty acid 8:0 (octanoic) (g), per 100g	Type: Numeric
Range:	0 – 13.558	
Missing observations (.):	4,482 (out of 143,050)	

SFA100

Variable: SFA100	Definition: Saturated fatty acid 10:0 (decanoic) (g), per 100g	Type: Numeric
Range:	0 – 6	
Missing observations (.):	4,475 (out of 143,050)	

SFA120

Variable: SFA120	Definition: Saturated fatty acid 12:0 (dodecanoic) (g), per 100g	Type: Numeric
Range:	0 – 44.6	
Missing observations (.):	4,462 (out of 143,050)	

SFA140

Variable: SFA140	Definition: Saturated fatty acid 14:0 (tetradecanoic) (g), per 100g	Type: Numeric
Range:	0 – 22.83	
Missing observations (.):	4,420 (out of 143,050)	

SFA160

Variable: SFA160	Definition: Saturated fatty acid 16:0 (hexadecanoic) (g), per 100g	Type: Numeric
Range:	0 – 23.8	
Missing observations (.):	4,410 (out of 143,050)	

SFA180

Variable: SFA180	Definition: Saturated fatty acid 18:0 (octadecanoic) (g), per 100g	Type: Numeric
Range:	0 – 18.232	
Missing observations (.):	4,410 (out of 143,050)	

MFA161

Variable: MFA161	Definition: Monounsaturated fatty acid 16:1 (hexadecenoic) (g), per 100g	Type: Numeric
Range:	0 – 2.7	
Missing observations (.):	4,433 (out of 143,050)	

MFA181

Variable: MFA181	Definition: Monounsaturated fatty acid 18:1 (octadecenoic) (g), per 100g	Type: Numeric
Range:	0 – 74.837	
Missing observations (.):	4,410 (out of 143,050)	

MFA201

Variable: MFA201	Definition: Monounsaturated fatty acid 20:1 (eicosenoic) (g), per 100g	Type: Numeric
Range:	0 – 3.994	
Missing observations (.):	4,486 (out of 143,050)	

MFA221

Variable: MFA221	Definition: Monounsaturated fatty acid 22:1 (docosenoic) (g), per 100g	Type: Numeric
Range:	0 – 9.355	
Missing observations (.):	4,494 (out of 143,050)	

PFA182

Variable: PFA182	Definition: Polyunsaturated fatty acid 18:2 (octadecadienoic) (g), per 100g	Type: Numeric
Range:	0 – 65.7	
Missing observations (.):	4,410 (out of 143,050)	

PFA183

Variable: PFA183	Definition: Polyunsaturated fatty acid 18:3 (octadecatrienoic) (g), per 100g	Type: Numeric
Range:	0 – 53.368	
Missing observations (.):	4,420 (out of 143,050)	

PFA184

Variable: PFA184	Definition: Polyunsaturated fatty acid 18:4 (octadecatetraenoic) (g), per 100g	Type: Numeric
Range:	0 – 0.293	
Missing observations (.):	4,499 (out of 143,050)	

PFA204

Variable: PFA204	Definition: Polyunsaturated fatty acid 20:4 (eicosatetraenoic) (g), per 100g	Type: Numeric
Range:	0 – 0.563	
Missing observations (.):	4,495 (out of 143,050)	

PFA205

Variable: PFA205	Definition: Polyunsaturated fatty acid 20:5 (eicosapentaenoic) (g), per 100g	Type: Numeric
Range:	0 – 2.741	
Missing observations (.):	4,499 (out of 143,050)	

PFA225

Variable: PFA225	Definition: Polyunsaturated fatty acid 22:5 (docosapentaenoic) (g), per 100g	Type: Numeric
Range:	0 – 0.229	
Missing observations (.):	4,499 (out of 143,050)	

PFA226

Variable: PFA226	Definition: Polyunsaturated fatty acid 22:6 (docosahexaenoic) (g), per 100g	Type: Numeric
Range:	0 – 3.8	
Missing observations (.):	4,499 (out of 143,050)	